

*CITY OF POMPANO BEACH,
FLORIDA*

PROFESSIONAL CONSULTING AGREEMENT

with

KIMLEY-HORN AND ASSOCIATES, 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 KIMLEY-HORN AND ASSOCIATES, INC. a North Carolina corporation, authorized to do business in the State of Florida, 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 Marwan H. Mufleh

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:

Kimley-Horn And Associates, Inc.
421 Fayetteville St
Suite 600
Raleigh, NC 27601

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”

KIMLEY-HORN & ASSOCIATES, INC.

Witnesses:

Jamea Long
Signature

Jamea Long
Name Typed, Printed or Stamped

By: [Signature]
Marwan H. Mufleh, Authorized Signatory

Tara E Swann
Signature

TARA E. SWANN
Name Type, Printed or Stamped

STATE OF Florida
COUNTY OF Palm Beach

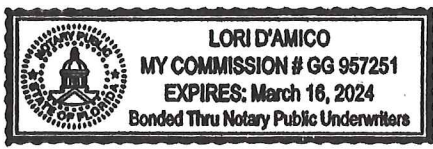
The foregoing instrument was acknowledged before me, by means of physical presence or online notarization, this 29 day of March, 2021, by Marwan H. Mufleh, as Authorized Signatory of KIMLEY-HORN & ASSOCIATES, INC., a North Carolina corporation, authorized to do business in Florida, on behalf of the corporation. ^{He is} They are personally known to me or who has produced _____ (type of identification) as identification.

NOTARY’S SEAL:

Lori D'Amico
NOTARY PUBLIC, STATE OF

Lori D'Amico
(Name of Acknowledger Typed, Printed or Stamped)

66957251
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.

REQUESTED INFORMATION BELOW IS ON LOCAL BUSINESS PROGRAM FORM ON THE BID ATTACHMENTS TAB. BIDDERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

CITY OF POMPANO BEACH, FLORIDA
 LOCAL BUSINESS PARTICIPATION FORM

Solicitation # & Title: _____

Prime Contractor's Name: _____

<u>Name of Firm, Address</u>	<u>Contact Person, Telephone Number</u>	<u>Type of Work to be Performed/Materials to be Purchased</u>	<u>Contract Amount</u>

LOCAL BUSINESS EXHIBIT "A"

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

Solicitation Number _____

TO: _____
(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:

at the following price: _____

(Date)

(Print Name of Local Business Contractor)

(Street Address)

(City, State Zip Code)

BY: _____
(Signature)

IMPORTANT NOTE: Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"

LOCAL BUSINESS EXHIBIT "C"
LOCAL BUSINESS UNAVAILABILITY FORM

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)



Florida's Warmest Welcome

Continuing Contract for
**STRUCTURAL ENGINEERING
SERVICES**
(E-26-20)

Kimley»»Horn

Expect More. Experience Better.



Kimley-Horn and Associates, Inc.

1920 Wekiva Way
Suite 200
West Palm Beach, FL 33411
Phone 561.840.0806
Fax: 561.863.8175
Jamea Long, P.E.
jamea.long@kimley-horn.com

August 24, 2020

*Subject: Request for Letters of Interest E-26-20
Continuing Contract for Structural Engineering Services*

Kimley»»Horn



Florida's Warmest Welcome

Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



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**pompano
beach**
Florida's Warmest Welcome

Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



SECTION 1. LETTER OF INTEREST

Kimley»Horn

August 24, 2020

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

Re: Request for Letters of Interest – E-26-20: Continuing Contract for Structural Engineering Services

Dear Selection Committee Members:

Kimley-Horn is pleased to present the enclosed qualifications and response to the City of Pompano Beach and the Pompano Beach CRA's Request for Letters of Interest for Structural Engineering Services. As your project manager, my 23 years of experience working as a structural engineer on highway, municipal and other miscellaneous structural projects, coupled with the Kimley-Horn team, offers the City a robust local team of structural engineers and production professionals. We are experienced in various structural engineering tasks including

- municipal buildings
- bridge repair, reconstruction, replacements
- miscellaneous building repair, improvement, renovations
- roofing repairs, replacements, parking structures
- seawall repair, reconstruction, replacements
- marine structures
- parks and recreational facilities
- emergency power projects
- general transportation structures including bridges, poles, mast arms, walls, special inspection and structural condition assessments

Our team offers general consulting engineers and professionals who are exceptionally qualified to serve as your general structural consulting team.

The Kimley-Horn team has enjoyed a successful working relationship with the City of Pompano Beach for many years and we look forward to continuing to provide quality, cost-effective, and creative solutions while maintaining efficient project management on this Continuing Contract for Structural Engineering Services. Kimley-Horn has been successfully working with the City of Pompano Beach since 2002 and we look forward to continuing to provide quality services with our teaming partners on this contract. We have been providing on-call services to many municipalities and CRA's on a range of project sizes from very small one-day tasks to very large projects and construction. We have an established group of people and footprint of offices, with redundancy in staff and technical capability, that has allowed us to become experts in many fields.

Kimley-Horn's vicinity to the City offers a robust group of technical staff to assist the City. With over 300 staff in four offices in South Florida, Kimley-Horn offers you a responsive and technically balanced group of partners to fully rely on. These South Florida offices provide multi-disciplinary staff with an extensive depth of local resources not just in structural engineering but also in the civil, mechanical, roadway, and other aspects of projects. Our staff will be readily available to assist the City on any type of issue that may arise. We offer all the service types listed in the RLI, as well as others, in-house. Our South Florida offices provide over 35 structural engineering staff between our West Palm Beach, Fort Lauderdale, and Miami offices. This diverse staff stands ready to complete any task assigned. All you need to do is make one phone call and we can be on-site in less than an hour.

Corporate Name:

Kimley-Horn and Associates, Inc.

Local Office Serving the City of Pompano:

*1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411*

Telephone: 561.845.0665

Project Manager/Kimley-Horn

Contact's Office:

*Jamea Long, P.E.
1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411*

Telephone: 561.840.0859

Fax: 561.863.8175

jamea.long@kimley-horn.com



**pompano
beach**
Florida's Warmest Welcome

Continuing Contract for **STRUCTURAL ENGINEERING SERVICES**

(E-26-20)



The Kimley Horn team is focused on client service and we emphasize the following aspects of project management and execution:

- **Prompt and Proactive Responses.** We understand it is necessary to respond quickly and effectively with any task requested. We provide unmatched service, personal responsiveness, and local knowledge. Our office location will allow us to be readily available to your community and we are committing our local resources to you.
- **Commitment to Quality.** A firm is no greater than its reputation and Kimley-Horn is built on consistency and quality. As an established firm, we place significant emphasis on quality assurance and quality control. As a practice, we submit deliverables only after a thorough review by an expert within Kimley-Horn but outside of the immediate project team. We achieve quality by striving to improve one project at a time and regularly engage out clients in dialogue to help us understand how we can improve our service to them.
- **Budget Control.** We share your commitment to provide value to your residents by reasonably implementing public projects to meet City goals and stay within budget limits. We approach every task with a complete picture by looking at construction cost and engineering costs. The key to our success in this area is managing the right resources at the right time and actively seeking out potential cost-saving opportunities through value engineering.
- **Meaningful use of Subconsultants and MBE Partners.** Recognizing the demands and challenges that come from Continuing Contracts between compressed and/or accelerated schedules, simultaneous small and large size projects, and a broad variety of expectations on the type of work to be produced, we have purposefully aligned with a quality group of sub-consulting partners. For this contract we have established the most diverse, robust, and qualified group of professionals to serve the City. Subconsultant selection was based on 1) subconsultants experience with the City; 2) specialized expertise and experience in the industry; and 3) subconsultants working relationship with myself or Kimley-Horn. The result is a team of qualified and experienced professionals with extensive City knowledge. Our team consists of two subconsultant firms, all of which are certified MBE, SBE, or DBE. These firms will contribute meaningful roles as follows:
 - **Chrome Engineering (DBE)**
 - **H2R (SBE/Local Business)**

Kimley-Horn has worked with all of these subconsultants in the past on successful City of Pompano Beach projects. As a result, this Kimley-Horn team brings institutional knowledge with extensive project experience in the City of Pompano Beach.

By selecting our team as your structural consultant, you will experience the Kimley-Horn team's:

- Unique understanding of the City's vision based on in-depth structural design experience in the local area.
- Established relationships and work history with the City.
- Depth of local resources available to complete any task quickly and efficiently.
- Focus on value and stewardship of the project budgets.
- Adaptability during design.
- No ramp up—meaning the City can have the confidence to get us started immediately.

Kimley-Horn has successfully served the City since 2002 and we have demonstrated strong and efficient design and project delivery. We will continue to actively identify and solve critical issues, find reliable and innovative solutions, and provide responsive and cost-effective service all while meeting critical milestone dates on schedule.

We sincerely appreciate the opportunity to present our qualifications to you and look forward to serving as your on-call structural engineering consultant.

Sincerely,

KIMLEY-HORN

Jamea M. Long, P.E.
Project Manager



Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



SECTION 2 TECHNICAL APPROACH

Proposed Technical Approach and Methodology

Continuing services contracts require a different approach from typical project-specific contracts. Each task assigned will need an individualized approach that brings together the necessary disciplines to complete the task. At Kimley-Horn, we realize each task will have its own expectations and our team will work to exceed those expectations.

Our team has served as on-call consultants for many municipalities, CRA's, Counties, and institutions over the years and we understand and have established a general approach and methodology to make every project a successful one. Here are the key characteristics that our team brings to handling continuing service contracts:



- **Think Fast as an Extension of the City's Staff.** It's important as your consultant to provide prompt, creative, and effective solutions to the tasks presented in the on-call. In addition to our experience working in the city, we have an abundance of local resources with a very broad range of structural skill sets that helps our team to be nimble and successful.
- **Think Big Picture.** We recognize that it is essential to identify what ripple effects each task could have on other aspects of a project, a facility, or the city. It is vital to identify these ripples early on to avoid problems in construction or even problems created after construction is completed.
- **Be Innovative.** In each task we like to look for creative, out of the box solutions to allow us to provide the City with the best possible solutions.
- **Team with Other Consultants.** Kimley-Horn has qualified subconsultants on this project and they understand the importance of putting their best foot forward for the task assigned. We are committed to providing meaningful work to our teaming partners and rely on them for their experience in both their services, as well as their relationships with City staff. In times where multiple consultants are working for the City simultaneously on the same facility, we are very capable and experienced in working and partnering with these other consultants to deliver and coordinate the best results on each project.
- **Provide Community Support.** Community outreach support may be necessary for some tasks. Our team is committed to providing the assistance the City needs to keep the residents knowledgeable about the tasks. We bring experienced public involvement professionals to the City who understand how to deliver sensitive and technical matters to the public and how to gather, manage, and present data to all stakeholders for resolution.
- **Be Flexible.** We understand that schedules and projects can change, and we must be prepared to adjust with these changes. We also understand that budgets are a constraint and we will work towards cost effective approaches in design and construction. Our team is available for any size task and we have a scalable team that can adjust to projects of any size and level of complexity.



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Project Strategy

Through our experience on similar continuing services contracts, we have developed a strategy for approach to each task assignment. Our strategy includes the following steps:

- Visit the site to understand the field conditions prior to defining the scope.
- Identify and anticipate potential risks including those affecting budget, schedule, and stakeholders; and formulate any necessary early steps.
- Meet to discuss the scope to clearly understand the task and deliverables for the project.
- Create a clear scope for the project based on the meeting.
- Discuss with the City the most cost-effective way to complete the desired deliverables that will meet the project goals and the City's expectations.
- Create a schedule with clearly defined deliverables for each critical milestone.
- Conduct weekly internal project team meetings to keep milestone tasks on schedule – City staff would be welcome to attend.
- Provide the City with regular updates for use on the City's website and communication with internal staff and City leaders.
- Track all design issues and staff members involved to quickly resolve and minimize schedule impacts.
- Complete the deliverables.
- Build the project.

Clearly Define the Challenges and Set Objectives

The Kimley-Horn team will partner with the City to understand each task assignment and work together with open communication to set a plan to meet the objectives of the project with an efficient, constructible, and cost-effective solution. The relationships our team has with the City will enable our team to understand not just the task at hand, but how this task fits into the bigger picture for the City. This will include the identification of stakeholder's positions and objectives, working with groups such as residential communities, advisory boards, local businesses, and local and state agencies. We will also encourage communication between the various City departments and the CRAs to ensure the scope addresses not only the construction of a project, but sustainable operation and maintenance for the City at the completion of the project.

Evaluate the Situation and Develop a Feasible Solution

A feasible project must consider not only the initial cost but project resiliency along with long term operation and maintenance cost. Kimley-Horn will work to understand not only the initial task assigned, but the impacts this project will create for other areas in the City. It's important to start each project by identifying impacts to surrounding areas, constructability concerns (i.e. how can it be constructed while maintaining the facility for public use), and stakeholder concerns. Understanding all of these is essential to provide a quality project for the City and to avoid unnecessary friction with citizens and the business community. We know the City is dedicated to the citizens and community involvement is an important component in determining the overall design program and implementation priorities.





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Approach to Assignments

Initial Project Request from the City. Each project task will be initiated by a request from the City. After this request is received, the project manager will reach out to the City's Project Manager for the task within a one (1) business day timeframe to discuss the assignment and project specifics. The team will also make every effort to conduct a field review of the project location to gather any information that would be advantageous during scope development.

Identify Role of Specialty Subconsultant. Should a specific subconsultant expertise be required for an assignment it is important for Kimley-Horn to contact that local subconsultant early in the development phase so they are included in all the preliminary meetings and can participate in the scope, schedule, and fee development. Kimley-Horn utilizes subconsultants that we work well with and have a proven track record of delivering on-time, quality project deliverables. We expect our subconsultants to meet our high standards while performing meaningful tasks for the City.



Preliminary Personnel Assignment. This project has many different types of structural engineering services that could be necessary. While the Kimley-Horn team can do it all, we want to make sure the correct staff is assigned in the beginning of the project to ensure the City gets the best quality product. For example, if you have a building repair to complete, we would not assign an engineer that has mostly bridge experience. It's important that the skill set of the engineer match the project assignment. This also helps in keeping the project on schedule as that engineer would know what regulatory agencies or permitting would be necessary for the assignment. Of course, Jamea will still be your point of contact to start the efforts for the Kimley-Horn team and will keep involved during projects to ensure continuity for the City staff.

Project Status and Plans Review Meetings. It is imperative that our team acts as an extension of the City's staff. To that end, the team will have regular weekly meetings (which the City's Project Manager is welcome to attend). These meetings can include discussion of project progress, scope and status of related work and alternatives. Project issues will also be discussed in these meetings. In addition to these meetings, the City's Project Manager will be kept apprised of all decisions as the project progresses. We have found it helpful to create a design decision matrix for each assignment so that any important decisions are documented in one place. This also helps in case of any project transition should that be necessary (both on the City's side and the Consultant side).

Communication. While meetings are important, they are by no means the only form of communication amongst team members or between the team and the City. Emails, telephone, and web-based communications are a foundation of our corporate culture. These communication methods proved to be key during the recent pandemic. These methods are keeping Kimley-Horn open and operating while simultaneously meeting our project deadlines. Kimley-Horn staff and the community will remain safe, connected, and successful.

Project Schedule and Budget Control

Project schedules are often tied to budgets in fiscal years, as well as critical outside funding sources. We understand that meeting schedules is important. Common causes of schedule delays include developing or changing priorities, dealing with external agencies, and inadequate staffing. We will address these issues at the onset of the assignment to ensure the City has the best resources for the task to complete the project. Kimley-Horn currently works with multiple groups with the City of Pompano including the CRA, City Engineering, and Utility Departments.

Budget. Budget control spans the lifetime of an assignment from scoping to construction. During scoping, we will communicate with the City to ensure that all project goals are identified to avoid supplemental agreements and ensure future phases of the project are considered. Using and keeping appropriate staffing to complete assigned tasks keeps continuity



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for the project and goals of the project and it avoids waste on project budgets. Kimley-Horn strives to ensure construction cost estimates to help the City ensure the appropriate funds are available for construction. Our team will continue to work with the City and the Contractor to minimize delays, cost overruns, and potential claims during construction.

Quality Control Review. Kimley-Horn understands the start of quality begins with providing quality deliverables at all stages. Quality is built into the design and services provided to the City and not an add-on. We understand that quality products reduce project delays and costs. Our approach follows a quality control plan (written specifically for the City), engages the review staff as decisions are made, and keeps the same people involved with the project. Kimley-Horn will identify a project-specific file transfer method to facilitate the QA/QC process and to simplify sharing of information between project team and the City. Quality control extends beyond ensuring plans and reports are grammatically correct and previous comments have been incorporated. Our QA/QC process looks at the engineering decisions to make sure they are based on sound judgement and to confirm that the constructability of the project is also properly addressed. Making sure to have an inter-discipline review is also part of our QA/QC process. Specific staff have been identified to act as quality reviewers for each structural discipline to ensure that each deliverable meets your expectations.

Ability to Act Fast. We understand the importance of responsiveness. The City will get the resources necessary to complete the tasks assigned. We empower our staff to make decisions with appropriate oversight. We have internal team meetings to keep tasks moving in the right direction and to avoid wasted time on projects. Common file structures for all projects ensure that the staff and City can have access to information in a timely fashion. This team has members well versed in many different areas which allows the City to work with similar individuals to ensure subject-matter experts are always available on short notice. We encourage frequent communication between team members through use of brief, daily task updates for each assignment.

All of the team members we have assembled for our core team—including subconsultants—are located in South Florida. We are available by phone at any time and since we are located close to the City, we can be to you within a matter of minutes. Our West Palm Beach-based team is readily available to hit the ground running on your projects. As a trusted on-call consultant for municipal, and private-sector clients throughout the country, Kimley-Horn maintains an effective and accurate accounting of projected staff hours for up to a six-month time period. We know at any given moment what our availability is, and because we have access to the resources of 16 offices in Florida and 90 offices nationwide, we can assure you that we have the required resources for any task at any time.



The Kimley-Horn team is well suited to manage and administer the City's projects. We are prepared to commit the necessary resources to ensure the success of your efforts. And with our tremendous stable of diverse local resources and experienced subconsultant partners, we have unequalled ability to staff efficiently for any assignment the City provides under the Structural Engineering Services contract.



SECTION 3 SCHEDULE

Schedule

We can begin work immediately and we will work with the City to develop a schedule based on the requirements of the individual task and will be able to begin work upon signed authorization.

Sample Project Schedule

Months	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1. Preliminary Design Phase																	
A. Data Collection	◆																
B. Analysis		◆															
C. Preliminary Design Alt.			◆														
D. Cost/Benefit Analysis				◆													
E. Public Involvement					◆												
2. Final Design Phase																	
A. Final Design					◆												
B. Permitting						◆											
C. Public Involvement							◆										
3. Construction Phase																	
A. Bidding Services									◆								
B. Construction Services										◆							
C. Construction Certification																	◆

◆ Milestones

Current Workload

The members of our project team were selected using two criteria: (1) their experience with similar projects and (2) their availability to assume major technical responsibilities within your project schedule. Kimley-Horn's proactive management system, known as "cast-aheads," is used to detail every project's personnel needs and also to determine each staff person's availability. By continuously matching project needs with staff availability, our cast-aheads system is an accurate tool for keeping our projects on schedule.

Kimley-Horn's vast resources will allow us to assign the appropriate engineering, technical, and support staff to complete your projects on schedule and within budget. The percentages shown here represent our availability commitment of key staff chosen to work with the City on these important projects.

Based on a review of our cast-aheads, we can assure you that the staff members selected for this team are available immediately to serve you and are in an excellent position to handle the workload of any assignment you wish to give us.



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SECTION 4 REFERENCES

Kimley-Horn is proud of the relationships we have developed with our clients, and much of our success over the last five decades is directly related to our efforts to perform high quality, timely services for all of our clients. The client references provided below are for projects similar to the City of Pompano Beach Continuing Contract for Structural Engineering Services. We invite you to contact our references; these individuals will tell you that we listened to their needs, met their schedules, accomplished their missions, and delivered results.

Project: McNab Road Over Cypress Creek (C-14) Bridge Replacement and Terra Mar Drive over Spanish River Bridge Rehabilitation Projects

Cost: \$12.2 million budgeted through G.O. Bond

Responsibilities: Design and consulting services for two separate bridge projects within the City as part of the current G.O. Bond. The project at McNab Road includes the full replacement of the existing bridge and relocation of existing utilities. The proposed bridge will incorporate aesthetic features appropriate to the surrounding areas.

Contact Information: Fernand Thony, Engineering Projects Manager
City of Pompano Beach
fernand.thony@copbfl.com
954.928.5248

Project: Atlantic Boulevard Bascule Bridge Improvements including Decorative Sails and Lighting

Cost: \$1.5 million

Responsibilities: Kimley-Horn designed a replacement traffic railing to improve safety and aesthetics, as well as an under-bridge walkway to improve pedestrian access to the water. Kimley-Horn obtained all permits for the project through coordination with FDOT, USACE, FDEP, the City, and SFWMD.

Contact Information: Horacio Danovich, R.M.A.
Director of Engineering Services for Pompano Beach Community Redevelopment Agency (CRA)
horacio.danovich@copbfl.com
954.786.7834



Project: Berth 1 Bulkhead Replacement

Cost: \$1.5 million

Responsibilities: Analysis, design, and construction document development of this bulkhead replacement at the Port of Palm Beach. Kimley-Horn was also responsible for development of a fast track construction phasing and sequencing plan to minimize impacts to Port operations on adjacent berths, shore power stations, and water box design.

Contact Information: Ronald Coddington, P.E.
Port of Palm Beach
rcoddington@portofpalmbeach.com
561.383.4133



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Project: Mercy Hospital Seawall and Loading Dock Replacement

Cost: \$5 million

Responsibilities: Kimley-Horn provided design, planning, bidding, permitting, and construction phase services for this \$5-million project. This project includes strengthening by replacement of 2,000 feet of seawall along the perimeter of Mercy Hospital's property in Miami. The construction tasks for this project include steel sheet pile installation, tie rod installation between existing wall and new wall, concrete cap placement, backfill and site grading.

Contact Information: Russell Maass
HCA Healthcare
russell.maass@hcahealthcare.com
615.344.9551

Project: Turnpike Widening Design from Boynton Beach to Lake Worth (including 4 bridge replacements and a canal crossing)

Cost: \$176 million

Responsibilities: 4 bridge replacements and the relocation of 2,500 feet of the Lake Worth Drainage District canal, right-of-way acquisition, new toll plaza buildings, overhead signage, pavement markings, signalization, lighting, landscaping, ITS plans for relocating SunNav fiber optic facilities, utility coordination, barrier wall design, and complex traffic control analyses and plans.

Contact Information: Andrew Healy, P.E.
FDOT
andy.healy@dot.state.fl.us
407.264.3401

List of Projects Performed for the City of Pompano Beach

Kimley-Horn

- Atlantic Boulevard Bridge Improvements and Streetscape
- Continuing Contract for Transportation Engineering Services for Various City Projects
- WA #7 NW 2nd St Feasibility
- WA #6 Airport Access Road
- WA #8 SE 11th Bridge Plans
- WA #5 N Riverside Drive
- WA #4 Taxiway Delta
- McNab Road Design Support
- McNab Streetscape Improvements
- NE 33rd Streetscape Improvements
- NW 2nd Street and 31st Avenue
- PB Planning WA# 4 Pompano Station
- PB WA #4 Oceanside Lt
- PB Planning WA #5 Harborside at Hidden Harbour



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- Continuing Engineering and Consulting for Municipal Air Park, including:
 - Relocation of Taxiway Kilo and Construction Phase Services
 - Runway 15-33 Rehabilitation, Expansion, and Construction Phase Services
 - Air Park Wildlife Assessment Study
 - Standby Diesel Engine Drive for High-Service Pump #6
 - PMP Taxiway D Reconstruction
 - PMP Airpark Obstruct Perimeter
 - Airport Zoning and Airspace
 - PMP Taxiway D CPS
 - PMP ALP Update
 - PMP TV G Grant Assistance
 - Airspace Study Checklist
 - Air Park Maintenance Storage
 - Pavement Phase 2
 - Airspace Study Checklist
 - Airspace Study Dog Park
 - Pompano Taxiway Fillet
 - Helicopter Landing Area
 - PMP Aquatic Airspace Study
 - Runway 15 Obstruction Survey
 - Pompano Airpark Main
 - Taxiway Pavement
 - Pompano Air Park Business Plan
 - Pompano Air Park Runway
 - PMP Driving Range Airspace
- East Transit Oriented Corridor (ETOC) Transportation Analysis
- Lyons Park Sanitary Sewer Rehabilitation
- Complete Streets
- Downtown and Martin Luther King Blvd.
- 19355 Dixie Highway Improvements
- Lane Elimination
- North East Force Main Installation
- Pompano Beach Lane Elimination
- 11th Avenue Bridge Report
- Fairfield Reservoir
- Atlantic One
- Pompano CRA
- Knox Farms PH 2
- Survey Golf Course Update
- Survey Support Services
- Gopher Tortoise Relocation



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- Magnetic Heading Verification
- RNAV Checklist
- Water Treatment Improvements
- Employee Parking Lot Expansion
- Diesel Engineering
- Northeast Force Main Install
- Hidden Harbour Marina



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SECTION 5 PROJECT TEAM FORM

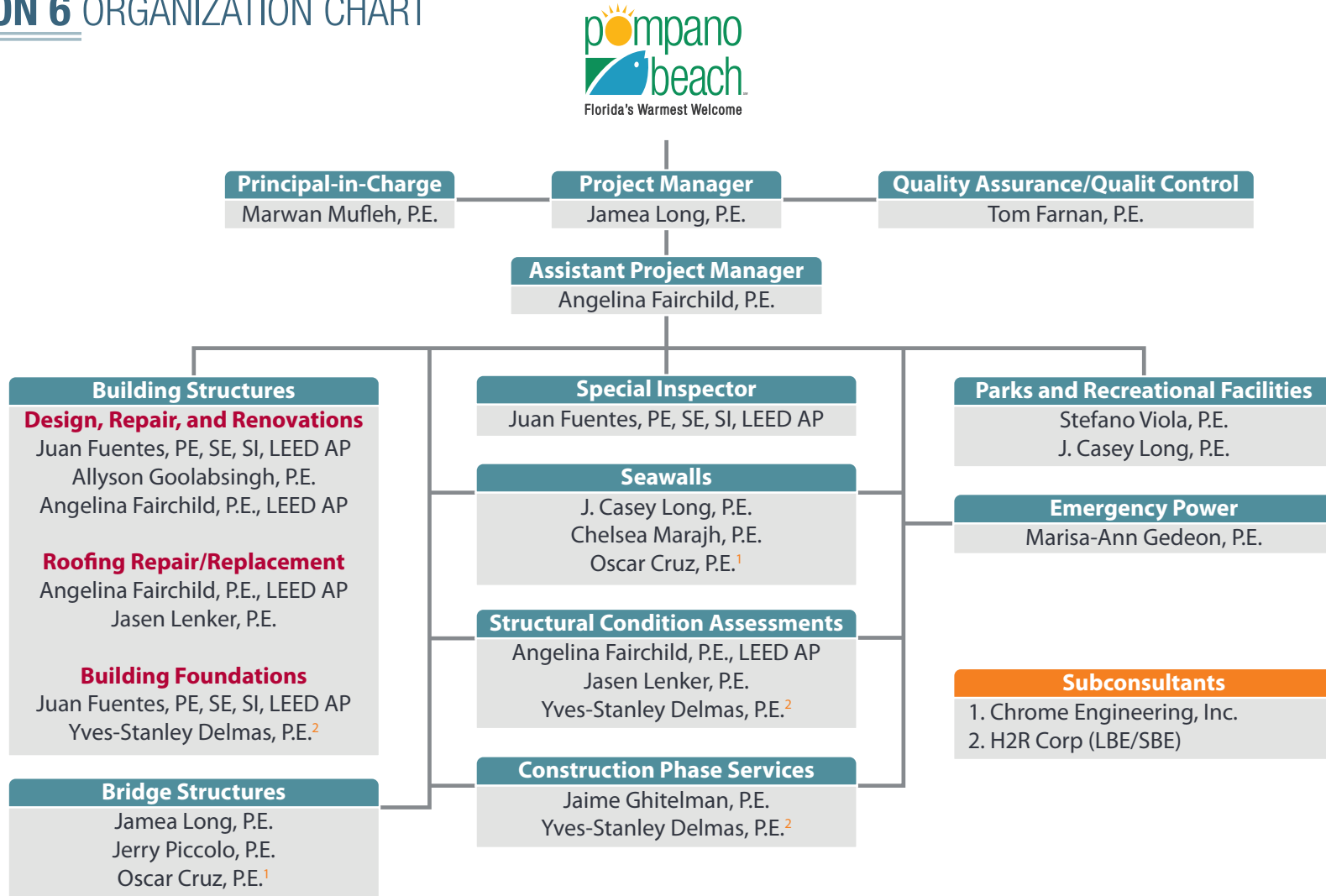
The Project Team Form is uploaded as a separate attachment.



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SECTION 6 ORGANIZATION CHART





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SECTION 7 STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM

Statement of Skills and Experience of Project Team

Firm Overview

Kimley-Horn is a full-service, multidisciplinary consulting firm offering a broad range of engineering, planning, and environmental services to clients in both the public and private sectors. Kimley-Horn was founded in 1967 and has provided engineering design services for dozens of municipalities in Florida.

The members of our project team were selected based upon their experience with a variety of structural infrastructure projects of similar scale and complexity and their availability to assume major project responsibilities on this contract. Our team is not focused on short-term results. We are committed to continuing a long-term, successful relationship with the City founded on trust, respect, and teamwork. Kimley-Horn is an employee-owned firm structured to attract and retain design professionals who are highly-skilled and dedicated to client service. This client-service mindset has been the hallmark of our growth over the last 53 years.

Local structural design staff based in West Palm Beach, Miami and Fort Lauderdale will be responsible for the management and production of your project with the support from local Pompano-Beach-based subconsultants. With almost 300 professional and support staff in Fort Lauderdale, Miami and West Palm Beach combined, plus more than 500 additional staff across Florida, Kimley-Horn has more than enough staffing resources and availability to meet the City's needs. The following section outlines our team's skill and experience on similar engineering disciplines and projects those that may be required by the City of Pompano Beach's Continuing Contract for Structural Engineering Services.

Subconsultants



H2R Corp. H2R provides geotechnical engineering, foundation testing and inspection, subsurface exploration and drilling, specialty construction support and verification, materials testing and inspection services, and CEI support services throughout Florida. *H2R Corp. is located in Pompano Beach.*



Chrome Engineering, Inc. was founded by Mr. Oscar J. Cruz, in 2018 as a local engineering company with the objective to provide structural design consulting services for the multiple ongoing and planned projects within their area. They are prequalified to provide structural engineering services with the Florida Department of Transportation and Miami-Dade County. They are also listed as an FDOT Small Business Firm and are a certified Disadvantaged Business Enterprise (DBE) with the State of Florida as well as certified as a Small Business Enterprise (SBE) with Miami-Dade County. Their structural engineers' experience includes the successful participation in projects for all FDOT Districts, including the Florida's Turnpike, as well as for the Miami-Dade Expressway Authority (MDX), Miami-Dade County, Broward County, Collier County, Pinellas County, City of Doral, City of Miami Gardens, City of Hialeah, City of Miami Beach among many others. Their current staff includes three Florida Registered Professional Engineers and two structural designers, with a combined experience exceeding 150 years and hundreds of successful projects built within schedule and budget. *Chrome Engineering is located in Broward County.*

Municipal Buildings

Structural engineering has been a specialty discipline at Kimley-Horn in Florida for more than 40 years. Kimley-Horn offers expertise in design, construction observation, and evaluation of a variety of buildings. Our experience has been enhanced with **Allyson Goolabshingh, P.E.** and **Juan Fuentes, P.E., SE, SI, LEED AP** who specialize in vertical structure design. Their experience includes multilevel structures exposed to seismic and wind loads. Their intimate knowledge of local, state, and national design codes provides efficient design solutions for concrete, steel, wood, and masonry structures.

Both Allyson and Juan have extensive experience in structural municipal building design. From fire stations, emergency operations center, maintenance facilities and police stations, our team understands the nuances of municipal building design.



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Flexibility is key for a municipal building. The maintenance building may need to be repurposed as an office building ten years after its construction or vice-versa. A municipal building benefits by being designed as an enhanced facility. A structure designed to higher wind speeds allows the building to safely harbor people and equipment in a storm event. The enhanced facility allows the City to be ready to help its citizens once the storm passes.

Pines City Center Phase 1B P6

Pembroke Pines, Florida

Two story 40,000 square foot retail building structurally designed for maximum flexibility. The project utilizes open web steel joist, structural steel framing, composite steel floor framing, infill masonry, and shallow foundations. The project floor framing was designed for 100 pounds per square foot and oversized stairs which allows the owner the flexibility to utilize the building for assembly, retail, office, or medical uses.

Kimley-Horn is the structural engineer of record and Threshold Inspector. The project has unique architectural features such as cantilevered northwest corner, curved masonry wall, and iconic wing wall.



Coral Springs Public Safety Training and Technology Center

City of Coral Springs, Florida

As part of personal design experience, this project is a \$3.9 million, two story, 30,000 sq. ft. Training Center with attached apparatus bays. The project used an open web joist system for the floor structure that required an in-depth vibration analysis. The joist system is supported on a combination of interior steel girders, steel and concrete columns, load bearing masonry walls, and shallow foundations. The facility serves as a part of the Coral Springs Fire Department training site. The building provides student classrooms, lab, café, and locker room.





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Bridge Engineering

Our experienced bridge design staff has already encountered—and surmounted—just about every challenge your project could throw at them. Difficult site conditions and geometry. Unusual geotechnical underpinnings. Simultaneous construction schedules. We can provide creative solutions that cost-effectively meet the demands of your site and schedule using precast, prestressed concrete; structural steel; curved steel; cast-in-place segmental construction; and cast-in-place post-tensioned construction.

Hundreds of municipal bridges across the U.S. bear our imprint: canal, river and stream crossings, highway overpasses, railroad crossings, and pedestrian walkways. Our multidisciplinary expertise spans both roadway and bridge engineering—from planning and surveys through design and construction administration—successfully integrating the full range of each site's demands. Our project goal is simple: make each bridge project an outstanding success.

Bridge Inspection and Rehabilitation

FDOT District's One, Two, Three, Four, Five, Six, and Seven have relied on Kimley-Horn's bridge inspection and bridge scour analysis experience to support their bridge maintenance programs statewide. Our experience across Florida has provided us the opportunity to become extremely familiar with a variety of bridge types and construction techniques, as well as federal guidelines and regulations regarding bridge scour, maintenance, and rehabilitation. Our focus throughout any project is to look for cost-effective, innovative ways to get each design and construction job done quickly, accurately, and cost effectively. Our goal is to satisfy your needs with the best alternative. We evaluate each alternative as if we were spending our own money.

Bridge and Roadway Approach Design

Roadway design is one of the mainstays of our firm's professional practice. Collectively, our engineers have been responsible for the design of more than 3,000 miles of roadway nationwide. We have provided these services for urban, rural, primary, secondary, and interstate roadways for clients ranging from small municipalities to state departments of transportation. We are well equipped to address all related aspects of roadway design projects such as intersection geometrics, utility relocations, traffic control, signalization, and other features. Paving and drainage services are an integral part of our bridge and roadway design projects, and our substantial experience in dealing with regulatory and other agencies enables us to secure the necessary permits and approvals for building and upgrading roadway facilities. In addition, Kimley-Horn has provided construction administration services on hundreds of miles of urban and rural roadways for projects ranging from limited-access arterials to collector facilities for counties, cities, and state departments of transportation. Construction phase services include cost estimating, pre-bid services, and construction administration/observation.

Bridge Design and Construction Plans

After a hard day managing crews under a hot sun, the last thing you want to hear is that the contractor thinks there's a design issue. We agree. That's why we will provide quality construction plans that are designed to meet all local, county, and FDOT standards—the standards your contractors understand. We will apply our own detailed and specific quality control procedures to each bridge design effort to make sure the plans are as thorough as possible. And our key team members have inspected so many bridges across Florida that we know what can go wrong and design to avoid it. Clients say we're so accurate that there aren't many change orders—so thorough that there are few surprises in the field, and so clear that contractors don't have trouble understanding what they need to do. If your bridge design poses special requirements, we will satisfy them, too—whether you want a traditional design to match a historic setting or a planter wall to provide a specialty landscape feature.



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Atlantic Boulevard Bascule Bridge Improvements including Decorative Sails and Lighting

Pompano Beach, FL

Kimley-Horn served the City of Pompano Beach with CSA Architects and Burkhardt Construction to incorporate safety and aesthetic improvements to this 400-foot bascule bridge over the Intracoastal Waterway. Kimley-Horn designed a replacement traffic railing to improve safety and aesthetics, as well as an under-bridge walkway to improve pedestrian access to the water. The project involved the design and construction of enhancements to the bridge façade, tender house, traffic railings, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on bridge façades, land-based lighting, and a pedestrian esplanade under the bridge connecting restaurants and buildings from the south to the north. The design-build team was responsible for complete design, permitting, and coordination with FDOT. Kimley-Horn obtained all permits for the project through coordination with FDOT, USACE, USCG, FDEP, the City, and SFWMD. The project created a signature gateway within the City's Beach district.



McNab Road Over Cypress Creek (C-14) Bridge Replacement and Terra Mar Drive over Spanish River Bridge Rehabilitation Projects

Pompano Beach, FL

Kimley-Horn is currently serving the City of Pompano Beach to provide design and consulting services for two separate bridge projects within the City as part of the current G.O. Bond. The project at McNab Road includes the full replacement of the existing bridge and relocation of existing utilities. The proposed bridge will incorporate aesthetic features appropriate to the surrounding areas. Kimley-Horn is leading permitting of this project, including USCG, SFWMD, and Broward County. Improvements at Terra Mar Drive include repairs to the existing bridge and seawalls to address deterioration. The design at this location also includes upsizing the existing water main along Terra Mar Drive and incorporating aesthetic features. Our project team is providing structural, architectural, roadway, permitting, utility adjustment, and geotechnical services for both projects.

SR 992/SW 152nd St. (Coral Reef Dr.) over the C-100 Canal, FDOT District Six

Miami-Dade County

Kimley-Horn was responsible for the rehabilitation and retrofit of an existing 3-span, PC/PS concrete slab unit bridge crossing the C-100 Canal. The existing bridge utilized non-composite slab units placed side-by-side with an asphalt topping. Over the years, through milling and resurfacing operations, the asphalt thickness had increased 2-3 times the original maximum design thickness in several locations. In addition, differential movement between adjacent slab units resulted in



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full-depth longitudinal cracks in the asphalt along the length of the bridge causing distress in the asphalt and allowing rainwater and debris to seep through the bridge in multiple locations, increasing the frequency and cost of long-term maintenance. As part of the project, the bridge was converted to a composite bridge by removing the asphalt overlay and replacing it with a cast-in-place reinforced concrete topping slab. Reinforcing dowels were installed into the top of the existing slab units to ensure composite action. In addition, expansion joints were replaced at all supports, concrete traffic railings were reconstructed to the latest FDOT Standards, and new ADA compliant sidewalks with aluminum pedestrian railings were reconstructed along each side of the bridge.



CR 475 Bridge over Jumper Creek

Sumter County, FL

Kimley-Horn designed a new three-span bridge utilizing PC/PS Florida Slab Beams (FSBs) to replace the existing five-span, cast-in-place flat slab bridge. Improvements include milling and resurfacing, structural design, permitting, and construction phase services. Since FSBs were recently developed by FDOT and only available as Developmental Design Standards, close coordination with FDOT Central Office was required to obtain standards and specifications for use on this project.



Midway Road Bridge over North Fork of the St. Lucie River, FDOT District Four

St. Lucie County, FL

Kimley-Horn designed a new 3-span bridge over the St. Lucie River. The project involved the widening of an existing undivided two-lane roadway to a divided four-lane urban roadway. The new bridge utilizes precast/prestressed Florida-I beams with span lengths set to accommodate the future typical section. The bridge typical section allows for travel lanes, buffered bicycle lanes, and sidewalks/shared use paths. Phased construction will be used to allow for the removal of the existing bridge while maintaining existing traffic.



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Glades Road Exit Ramp over Lake Worth Drainage District Canal, Florida's Turnpike Enterprise

Boca Raton, FL

As part of Kimley-Horn's design services for the Turnpike All-Electronic Tolling 5A conversion from I-595 to south of the Lantana Toll Plaza, we designed a new two-lane northbound exit ramp structure over the Lake Worth Drainage District Canal and added a right-turn lane onto Glades Road. The bridge is a three span continuous cast-in-place concrete flat slab supported on concrete pile bents with 18-inch precast prestressed concrete piles. Design services also included a retaining wall.



Flagler Memorial Bascule Bridge Replacement Design-Build Criteria Package and Construction Phase Services

FDOT District Four, West Palm Beach

Kimley-Horn developed design-build criteria package for replacement of the existing four-lane bascule bridge across the Intracoastal Waterway and subsequently provided postdesign services during construction. Our team designed the approach roadways, drainage systems, and construction phasing traffic control plans to 90% and included concept development of signing/markings, signalization, lighting, structures and landscape plans. The scope also included extensive public involvement, permitting, and utility coordination efforts. The new bridge is 1,800 feet long (made shorter by the use of retaining walls at one end) and touches down at a new signalized intersection with Flagler Drive. The new bridge includes special traffic barriers, decorative pedestrian railings and light poles, and customized architectural and landscape features.



US 1/Jupiter Bascule Bridge Replacement

FDOT District Four, Jupiter

Kimley-Horn was retained by FDOT District Four to conduct a PD&E study for bascule bridge no. 930005 in Jupiter. Our team evaluated the following alternatives: 1) Bridge rehabilitation; 2) high-, mid-, or low-level replacement, and various alignment alternatives that include consideration for temporary bridge, full bridge closure, and phased construction with temporary traffic using the existing bridge. Each alternative evaluated bringing the bridge up to FDOT standards and includes options to accommodate pedestrian and bicyclists. The study effort also included a complex public involvement component and public hearing. Subsequent to the selection of the preferred alternative of a higher, wider bascule bridge with bike lanes and sidewalks, Kimley-Horn was selected by design-build firm constructing the new bridge to provide roadway design, lighting, and public involvement support.





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Seawall Repair, Reconstruction, and Replacement

Kimley-Horn offers expertise in seawall, breakwater, bulkhead, revetment, pier, and jetty design and permitting; marina planning, design, and permitting; beach nourishment and erosion control projects; dredging; hydraulic modeling; and general marine and coastal construction. Our bulkhead and seawall design and inspection includes several projects in Palm Beach, including the repair of 900 feet of ocean seawall, toe wall construction and bulkhead improvements, refurbishing an existing ocean bulkhead, and constructing 770 feet of new ocean bulkhead. We also evaluated the structural condition and repair requirements of 3,600 feet of aged ocean seawall in Palm Beach and recommended some immediate repairs and long-range inspection procedures. The firm has also designed intracoastal and Oceanside residential seawalls. We have provided coastal engineering services to the Breakers Hotel in Palm Beach on an as-needed basis for almost 35 years.

The Bristol

West Palm Beach, FL

The design of this project consists of a post-and-panel cantilevered concrete sheetpile wall to replace a similar tie-backed system. Total length of the wall is approximately 750 linear feet, with a maximum exposed height of 8 feet. Design challenges include connection to adjacent seawalls, the presence of an existing outfall that must be maintained, scour considerations, and permitting by both SFWMD and USACE.





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9 Island Avenue Seawall

Miami Beach, FL

Kimley-Horn performed an above and below water condition assessment of the 623-LF concrete post and panel seawall on the east side of the 9 Island Avenue. Our team also performed a timber marina assessment following Hurricane Irma - which was severely damaged during the storm rendering it inoperable and unsafe.

Services provided included a visual and tactile level 2 seawall inspection in accordance with the guidelines of ASCE Practice No. 130; timber marina damage assessment; repair plans, specifications, and opinion of probable cost for repairs to the seawall and total replacement of the timber marina.

Permit assistance and construction phase services were also provided. They included meetings with the City of Miami and DERM, routine site visits to observe construction progress and review conformance with construction documents as well as produce field reports, review payment applications from the contractor, respond to RFI's and review change orders.



Town of Palm Beach Coastal Structures

Palm Beach, FL

Kimley-Horn has served as a consultant to the Town of Palm Beach for several decades, including numerous structural improvements and replacements to several seawalls throughout the Town's limits. Kimley-Horn was selected by the Town of Palm Beach to prepare improvement designs that would raise the height of the lakeside bulkhead at Seabreeze Avenue, Seaspray Avenue, and Primavera Way to match the height of the adjacent private seawalls, while addressing seepage issues that occurred during periods of extreme high tides.





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Fisher Island Ferry Terminal

Miami, FL

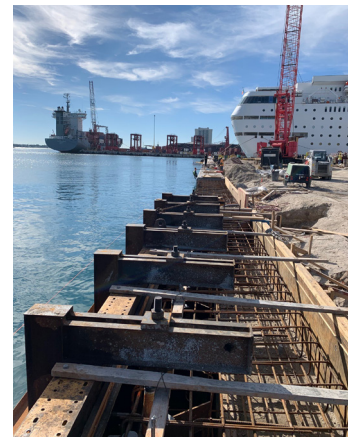
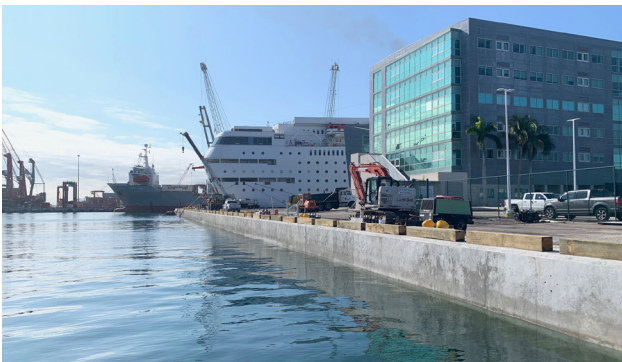
Kimley-Horn was responsible for the design and plan preparation for the modifications and permitting of the seawall extension adjacent to the ferry landing on MacArthur Causeway. The seawall is part of a larger project that includes site development, a new service road, and parking access. Kimley-Horn was retained by Fisher Island Community Association for the proposed development of a parking garage and improvements to the existing ferry terminal vehicle loading/unloading area. Kimley-Horn developed various alternatives for the ferry terminal vehicle loading area aimed at facilitating the egress of the vehicle from the loading area and their access to MacArthur Causeway. As part of the design process, the Florida Department of Transportation and Kimley-Horn worked closely to evaluate each option working towards a set of full construction plans inclusive of driveway modification plans, drainage plans, and a traffic signal modification plan. The selected option involved realignment of the egress road, which also triggered a modification to an existing seawall and required permitting. The design of the access drives and seawall extension was closely coordinated with a second existing ferry to allow the connection of the access drive to the ferry loading area.



Berth 1 Bulkhead Replacement

Port of Palm Beach, FL

Responsible for analysis, design, and construction document development for upland paving with a bulkhead replacement to -35 ft. dredge depth. Responsibilities also included development of a fast-track construction phasing and sequencing. The slip uses a steel sheet pile wall with a drilled soil anchor tie back system and a concrete cap. At 450 ft. long, this replacement project is a major addition to solve the Port's berthing long-term needs.





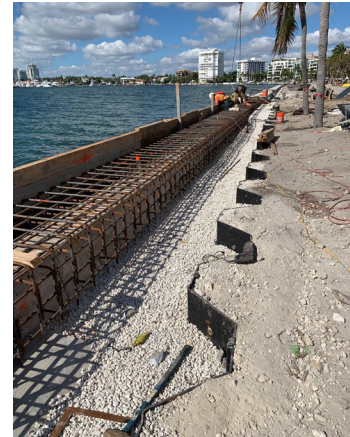
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Mercy Hospital Seawall and Loading Dock Replacement

Miami, FL

This project includes strengthening of 2,000 feet of seawall along the perimeter of Mercy Hospital's property in Miami. The construction tasks for this project include steel sheetpile installation, tie rod installation between existing wall and new wall, concrete cap placement, backfill, and site grading. This project also includes the construction of a new landing dock for rescue vessels adjacent to the seawall. Kimley-Horn provided design, planning, bidding, permitting, and construction phase services for this \$4-million project.



Parks and Recreational Facilities

Our firm has successfully completed numerous parks and recreation-oriented projects for federal, state, regional, and local government clients and for many private developments as well. The landscape architects engineers comprising our parks team have relevant planning and engineering experience and are ideally suited to meet your needs. On recreation-related projects, we have provided complete site development engineering services, landscape architecture, surveying, and traffic engineering services.

Siesta Beach Park

Siesta Key, FL

Kimley-Horn worked with Sarasota County for the implementation of this \$21-million project. Construction started in fall 2013 and opened February 2016. Construction was carefully sequenced to minimize interruption during peak tourist season. Services included programming, park design, landscape architecture, civil engineering, construction documents, and permitting for this high-profile park project. Design components included "site design" enhancements; a beachfront esplanade to connect key park components; improved traffic circulation and parking; high-quality, indigenous architecture; beautification consistent with a "world class" beach park; phasing and effective implementation while keeping the park open; wayfinding signage; environmental permitting; sustainable design to respect the environment and wildlife; and LID/LEED design solutions.

Key park features include:

- Beachfront esplanade
- New concession/restroom facility
- Renovated historical restroom





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- Playground with dedicated play areas for 2 to 5 and 5 to 12 year olds
- Picnic area
- Florida-friendly landscaping
- Pervious concrete parking lots



OB Johnson Park

Hallandale Beach, FL

This 6.4-acre park in Hallandale Beach Park was part of the City-wide park master plan that set forth a program to enhance 13 of the City's parks and recreation areas in support of community-wide goals and neighborhood needs. As part of the development, the park included a 42,000 square foot multigenerational facility that included a teen center, indoor basketball courts, after school and senior programming, exercise room, administrative offices, and other accessory uses for computer and dance classes, food distribution, and other programming for all ages. The exterior park amenities included a walking trail, playground, tennis courts, a field house, and a football/soccer field. Additionally, the park improvements included a centrally located surface parking lot, site infrastructure, and landscaping.

***This is a LEED Gold certified project*.**



Kimley-Horn provided master planning, landscape architecture, engineering design and permitting services, as well as construction observation and administration.

Welleby Park Expansion

Sunrise, FL

The City of Sunrise retained Kimley-Horn for improvements to Welleby Park located at NW 44th Street and Hiatus Road within the City of Sunrise. As part of the project the City will incorporate a former FPL owned property located northwest of the developed park property. The existing building and outdoor storage yard will be demolished, and the site will be improved with park amenities as identified by a park masterplan prepared by another consultant. The City has identified a park program comprised of the following: additional parking, grading and drainage improvements, dog park facilities, a stand-alone restroom building, completing an off-street loop for the park trail system, playground area improvements, relocating a sand volleyball court, a new 'safety town' play feature, an 800-SF addition to the existing park community building as well as a reconfigured patio space, and a boardwalk at the lake edge to replace portions of existing chain link fence. Attendance at one public information meeting will be required of the design team, as well as limited construction phase services. Kimley-Horn will provide conceptual design for two options for the park redevelopment to be presented at a public presentation meeting. Our team will refine the concept design and prepare design plans, including paving and drainage plans, utility plans, and signing and marking plans. The City has indicated a construction budget of approximately \$2,700,000 for the proposed improvements.



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Trust for Public Lands Parks Projects

Various Locations, Panhandle, FL

Kimley-Horn is part of a consulting team producing four new parks in Panhandle communities that will improve access to Gulf Coast waterways, improve recreation in those towns and cities, and support tourism to the coast for generations to come. Our team is providing structural engineering design and park master planning for the Captain Leonard Destin Park, Island View Park, Innerarity Point Park, and Lynn Haven Bayou Park and Preserve. Captain Leonard Destin Park will offer the City of Destin's its first splash pad, picnic pavilions, educational opportunities for the adjacent schools, a playground, preservation of the existing heron rookery, access to the beach, a dock with a canoe/kayak launch, an improved seawall, pervious parking areas, circulation improvements, and a model of the seine boat captained by Leonard Destin. Island View Park will include a parking area, seating areas, a boardwalk along the shoreline, and safety improvements to US Hwy 98 including a right turn lane and an improved driveway access. Innerarity Point Park will include a new dock with canoe/kayak launch, an overlook deck with bench seating, a two-story treehouse overlooking sweeping views of the waterway, several small open-air picnic pavilions, playgrounds, picnic/gathering pavilions, restroom facility, pervious concrete within parking areas, and a boardwalk. Lynn Haven Bayou Park will include large gathering structures, an outdoor classroom, a two-story screened-in bay/bayou overlook, seven open-air picnic pavilions, a natural playground, beach areas along the bay, a fitness trail loop, disc golf course, a bayou boardwalk, and wildlife viewing areas. These projects incorporated ADA accessibility as a key element in the design of the parks. In each park, environmental aspects were taken into consideration to preserve the natural elements, while enhancing community enjoyment.

Special Inspector

Kimley-Horn's reputation is built on quality assurance from design through construction. From drafters following green, blue, orange back check procedure to our administrative staff transferring shop drawing corrections, everyone is empowered to make sure information is correct. We pride ourselves on making quality assurance part of our culture to ensure the highest possible level of service for our clients. To help ensure we deliver on this promise during construction, our approach is twofold- utilize the latest technology available to expedite and resolve any field issues and provide field representatives who have sufficient knowledge and experience.

Our construction observation team is led by Mr. Juan Fuentes, PE, SE, SI, LEED AP, a seasoned field representative with over twenty years of field experience. Juan's experience ranges from small private sector projects to large and complicated public projects. He leads a team of structural designers who reinforce their field experience through his eyes and knowledge. We strive to utilize the same staff for design and site visits since they will know what is unique about the structure and if anything should be closely examined and when.

Our construction quality assurance is further enhanced by using of the latest technology. We have innovated the use of Ipad's during site visits; evolving the manner to document deficiencies, field notes, and photos. If a field issue arises that requires immediate solution, our design staff is available through Microsoft Teams video conferencing to provide their insight and knowledge. This helps resolve an issue as quickly as possible and make delays a thing of the past.



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SECTION 8 RESUMES OF KEY PERSONNEL

To best serve the City of Pompano Beach Kimley-Horn has organized a core team of practiced professionals to provide a high level of responsiveness to the City, both in terms of exceptional local interaction and support, and extensive technical experience in the disciplines you require. We believe our project team will be your greatest asset. Our project team is as critical to the project's success as the design approach. ***The skill and dedication of the team assembled for this project has unmatched experience working in the City of Pompano Beach and possess a thorough understanding of project elements, from the design and permitting to final construction.***



Jamea Long, P.E.

Project Manager

Relevant Experience

Dixie Highway Flyover Design-Build – SR 811 (Dixie Highway) over FEC Railroad and Hillsboro Canal, FDOT District Four, Deerfield Beach –

Senior designer structures and retaining walls and structural task manager responsible for the substructure of eight-span continuous steel box girder bridge. Responsible for quality control of a fourspan Florida-I beam girder bridge over the Hillsboro Canal.

I-75 Managed Lane Project (Segments A&B) Design Build, FDOT District Four –

Serves as project manager for the firm's services for this design-build project as a subconsultant to another firm. Responsibilities include structural plans for two steel box girder bridges, four precast/prestressed concrete beam bridges, and all retaining walls, toll gantries, and overhead sign structures. We will also provide signing and pavement marking plans, ITS plans, and post-design and construction phase services.

Fenton Street Overpass/Orange County Permit Project, Orange County

Structural engineer for the design and plans production of a four-lane, divided urban facility from south of International Drive to Palm Parkway. This project also included the design of a five-lane, urban section from Lake Street to Fenton Street (Street B); a bridge design for an overpass across I-4; and the reconstruction of the International Drive intersection and Palm Parkway. The overpass across I-4 was designed to set up for a future diamond interchange at Wildwood (Fenton Street) and the future, ultimate I-4 typical section. The bridge is a two-span structure with continuous steel plate girders with each span being 225 feet for a total of 450 feet. Because the bridge construction crosses FDOT right-of-way, the bridge plans were reviewed and approved by FDOT and Orange County and an Airspace Agreement was negotiated between the FDOT and Orange County. Traffic control plans were developed for the phased bridge construction while maintaining traffic on I-4.

Pedestrian Bridge over Palmetto Avenue Extension (overpass for Veronica S. Shoemaker Boulevard), Fort Myers –

Served as structural engineer for the design, construction documents, and bid assistance for the Pedestrian Bridge over Palmetto Avenue Extension in Fort Myers. The firm provided services for a 120-foot-long by 14-foot-wide single span pedestrian bridge. This included evaluating up to two concepts for the bridge structure and two concepts for the retaining wall approaches. As an option to a concrete bridge our team evaluated the use of a pre-manufactured enclosed truss as a cost-effective alternative.

Bridge Cleaning, Painting and Repairs – SR 136/SR 47/SR 49/SR 20 over Suwanee River and Santa Fe Rivers, FDOT District Two –

Served as structural engineer for the cleaning, painting and repair of four steel girder bridges located in three separate counties in District Two. Project includes: cleaning and painting of steel girders, bearings, and H-piles; repair of steel H-piles; replacement of existing pile jackets; shimming of existing bearings requiring bridge jacking operations with live load; joint repair and replacement; repair of existing riprap; concrete spall repair; concrete restoration by shotcrete application; and MOT operations.

Widening Florida's Turnpike from North of Glades Road to North of Atlantic Avenue, Florida's Turnpike Enterprise, Broward County –

Serving as structural engineer for Kimley-Horn's design services to widening the Turnpike from six to eight lanes. Work will include stabilizing the Lake Worth Drainage District E-2W canal bank to support the project's widening needs, replacing the Yamato Bridge over the Turnpike, widening the Turnpike bridge over Clint Moore Road, replacing the bridge over the L-38 Canal, noise barrier design, lighting design, signing and pavement markings, and utility

PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, University of Florida, 1997

Professional Engineer in Florida, #58677, June 20, 2002

American Society of Civil Engineers (ASCE)

SPECIAL QUALIFICATIONS

Has 24 years of engineering experience

Responsibilities include coordinating projects, performing calculations, coordinating plan preparation, and reviewing shop drawings

Experience includes writing technical specifications and observing project construction

coordination. Of special concern is the presence of Florida Gas Transmission mains along the project's right of way and the need to avoid design options that require gas main relocation.

Kings Highway (SR 713) from Okeechobee Road (SR 70) to US 1 (SR 5) PD&E Study, FDOT District Four, St. Lucie County — Served as project engineer. Kimley-Horn performed a PD&E study to widen an existing two-lane roadway to a four- or six-lane divided roadway. This 10-mile project included all environmental and engineering reports necessary to evaluate alternative corridors and alternative alignments within the selected corridor. The project also included public information meetings and public workshops with local residents and elected officials. Additional services included the preparation of a detailed concept plan, right-of-way maps, and a pond siting report to determine additional right-of-way needs.

US 1 (Biscayne Boulevard) Over NE 203rd Street PD&E Study and Final Design, FDOT District Six, Miami-Dade County — Completed bridge railing design to be placed on retaining walls in order to alleviate obstructed views to local businesses as part of the design and engineering services for this project. Kimley-Horn provided design services to replace an existing at-grade intersection of SR 5/US 1 and NE 203rd Street in Miami-Dade County. This project won the Grand Award from Florida Institute of Consulting Engineers.

CR 712 (Midway Road) Design and Reconstruction, FDOT District Four, St. Lucie County — Serving as structural design engineer for the reconstruction of Midway Road from a two-lane, rural roadway to a four-lane, divided urban roadway from west of South 25th Street to east of SR 5 (US 1), for a length of two miles. The project includes replacement of the existing bridge over the North Fork of the St. Lucie River and will also include retaining walls, drainage ponds, signing, lighting, signalization, landscaping, irrigation, and wetland mitigation. The corridor is within a historic area and our design will consider right-of-way impacts, impacts to parks and schools, concerns of White City residents, access management changes, flooding and environmental concerns, 4(f) properties, utilities and, possibly, decorative lighting within the historic limits.

Design Services for SR 614 (Indrio Road), FDOT District Four, St. Lucie County — Serving as project engineer. This project involves extensive right-of-way acquisition and design for a two-mile segment of SR 614 (Indrio Road) from I-95 to SR 607 (Emerson Avenue) in the northern portion of St. Lucie County. The preferred alternative for design as established by the previous PD&E study is a four-lane section with 12-foot travel lanes, a 22-foot median, 5-foot bike lanes, and 5-foot sidewalks. The Kimley-Horn team is using context-sensitive design features, including upgrades to culvert end treatments at major crossings and designs to incorporate aesthetic features of the rural adjoining properties. Other services include value engineering; environmental permitting with the Fort Pierce Farms Water Control District, South Florida Water Management District, and U.S. Army Corps of Engineers; control and design surveys; geotechnical investigations; an access management plan update; community awareness plan; drainage design; utility coordination and SUE; and long-range/cost estimates.

I-595 Corridor Roadway Improvement Project (Design, Build, Operate, Maintain), FDOT District Four, Broward County — Engineer of Record for I-595 Express Lane Bridge over Pine Island Drive. This bridge consisted of a three-span, continuous steel superstructure with multi-column bents.

SR 5/US 1 and SR A1A RRR Design Services, FDOT District Four, Palm Beach Gardens — Served as structural engineer for this 3R project that includes two roadway segments under one contract. The SR 5 (US 1) segment is a 7.5 mile long, four-lane divided with urban and suburban sections spanning five municipalities. The SR A1A portion is ½ mile of two-lane roadway. Because of the length of the project, an expedited survey schedule was required. The project also includes a public involvement program involving five municipalities and coordination of landscape design for all cities. The project also involves adding missing sidewalk; widening pavement to provide bike lanes along the numerous existing right-turn lanes; evaluating and designing repairs to existing drainage problems; environmental permitting; signing and pavement markings; replacing a curbed section due to widening; and analyzing numerous signalized intersections against current standards. The project also includes preparing a number of design variations and coordination with more than a dozen utility companies.

HEFT Widening PD&E Study, Final Design, and Permitting, Okeechobee Mainline Toll Plaza, Florida's Turnpike Enterprise, Miami-Dade County — Responsible for design calculations and drawings for two bridge widenings: HEFT over Maule Industries Road and Pennsuco Canal. Both of these bridges were AASHTO beam bridges utilizing inverted T caps supported on concrete piles. Kimley-Horn completed a PD&E study for a 13-mile section of Florida's Turnpike between SR 836 and I-75 (Sections 1 and 2) in Miami-Dade County. We also completed final roadway construction plans for widening of the HEFT from the Okeechobee Mainline Toll Plaza north to I-75 and evaluated the design issues involved in eight-laning this section of the HEFT. Our staff also designed modifications to the Okeechobee Road interchange to include new toll facilities and completed bridge widening plans for 10 bridges.



Marwan Mufleh, P.E.

Principal-in-Charge

Relevant Experience

MLK Jr. Boulevard Improvements and Downtown Connectivity, Pompano Beach — Project manager for Kimley-Horn's services to another firm to provide professional engineering design services to the City and the Pompano Beach CRA for roadway improvements along Martin Luther King Jr. Boulevard (a.k.a. Hammondville Road) between NW 0th Avenue to east of Dixie Highway. Marwan supervised a group of professionals to provide traffic analysis studies, signal modification design, maintenance of traffic plans, irrigation plans and provided assistance during the construction phase.

NW 6th Avenue, Pompano Beach — Supervised project manager for the design and construction administration for the reconstruction of a two-lane urban collector in the NW CRA. This project was highly visible and politically sensitive because it was intended to revitalize the neighborhood along the corridor. As such, it required extensive coordination with the City Manager, Public Works Administrator, and City Council. It involved creative hardscape utilizing African themes for brick paver crosswalks, sidewalks, roundabout intersections, signalized intersection, landscaping, irrigation and numerous driveway connections. It also involved extensive utility plans to place the overhead electrical, telephone, and cable TV lines underground.

NW 27th Avenue, Pompano Beach — Project manager for the reconstruction of one mile of a two-lane urban arterial within a residential area. The project involved numerous driveway connections, drainage, landscaping, and irrigation.

SR A1A Complete Streets Design, City of Hollywood — Project manager of the Kimley-Horn team serving the City of Hollywood to conduct a feasibility study to incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The traffic study considered alternatives including lane elimination and roadway reconfiguration. Because SR A1A is a state road, our team coordinated extensively with FOOT District Four for design approvals. The roadway plans include a reduction of speed, improving safety for vehicles, pedestrians, and bicyclists; wider sidewalks, improved street furniture, landscaping, and signage. The team also provided traffic signal analyses, driveway access reviews, emergency vehicle access reviews, meetings and coordination, and permitting services. Our team designed real world mock ups of selected alternatives for sidewalk pavers and decorative street lights for the public's input before final design.

Dixie Highway/21st Avenue Corridor Redesign Concept and Mobility Study, City of Hollywood — Contract manager for the Kimley-Horn team that prepared a Redesign Concept Study for the Dixie Highway and 21st Avenue corridor throughout Hollywood between Pembroke Road and Sheridan Street. A vision for a "transit-ready corridor" along the FEC Railroad was created by designing Complete Streets solutions in anticipation of re-establishing passenger rail service through seamless integration of an anticipated Tri-Rail Coastal Link station. The Complete Streets approach recommended in this study includes a "road diet" lane reduction to repurpose excess automobile capacity for bicyclist, pedestrian, and transit improvements. In addition, the Complete Streets approach will establish a transit-ready corridor for seamless integration of an anticipated Tri-Rail Coastal Link station along the Florida East Coast (FEC) Railroad.

PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, University of Texas, Arlington, 1986

Professional Engineer in Florida, #45329, March 27, 1992

American Society of Civil Engineers (ASCE)

American Society of Highway Engineers (ASHE) Florida Engineering Society, Member

SPECIAL QUALIFICATIONS

Has 33 years of civil engineering experience

Principal areas of practice include project management from the design concept stage through the construction administration phase, roadway design, streetscape, Complete Streets, roadway lane re-purposing, traffic calming, neighborhood revitalization, drainage design, innovative pavement design, pavement marking, and maintenance of traffic

Served as project manager on numerous successful highway design and construction projects for Broward County and various municipalities and CRAs

Highly experienced with neighborhood street redevelopment and lane elimination to repurpose streets for all modes of transportation Experienced in Microstation and Geopak

Las Olas Boulevard and Colee Hammock Neighborhood Traffic Calming, Fort Lauderdale — Project manager assisting the City with preliminary designs for the reconfiguration of Las Dias Boulevard. As a result, the City implemented a pilot project for temporary lane elimination and buffered bike lanes. Our services also addressed traffic circulation, safety, multimodal mobility, and quality-of-life issues along the Las Olas Boulevard corridor (from just west of the Himmarshee Canal to the Intracoastal Waterway Bridge). The project also included a traffic calming study for the Colee Hammock neighborhood. Improvements included enhanced crosswalks, raised intersection, and warning lights for improved safety. For Colee Hammock, our team provided plans for roadway design, signing and pavement markings, lighting improvements, and permitting application preparation. Kimley-Horn also provided post-design construction services.

Las Olas Boulevard Corridor Improvements, Fort Lauderdale — Project engineer. Kimley-Horn provided final design, evaluation, and due diligence services for this mixed-use project for the City of Fort Lauderdale Community Redevelopment Agency. The project consists of the redevelopment of several pieces of City property from existing surface parking lots to a new multi-story parking garage; active park and plaza areas; and general open space to enhance the pedestrian and beachgoer experience in the Fort Lauderdale beach area. Las Olas Boulevard is being improved to provide a Complete Streets design to better connect the shops, restaurants, and other businesses with the new Oceanside Plaza on the south side of Las Olas Boulevard. Kimley-Horn also provided the initial site civil engineering design, roadway design, permitting coordination, stormwater, utility, franchise utility coordination, and other services.

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — Project manager for complete contract plans for the widening of Wiles Road to a 6-lane divided urban arterial from Riverside Drive to Rock Island Road. As part of this design, we incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO. We coordinated closely with the County to tackle issues related to the narrow areas of the corridor, including a balance between traffic lane, sidewalk and bike lane widths. This segment had grant funding from FOOT and the improvements included roadway design, Complete Streets design, drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, permitting coordination with the City of Coral Springs and detailed traffic control plans.

Boynton Beach Boulevard Design from East of 1-95 to US 1, Boynton Beach — Project manager providing design services for this multi-stage project in the City of Boynton Beach. The design improvements to the project area (east of 1-95 to US 1) include landscape architecture enhancements and Complete Streets features. Design features include narrowed lanes and expanded sidewalks to encourage pedestrian mobility and landscape/hardscape upgrades within the corridor. Our services include roadway and landscape design; signing and marking; signal plans; lighting; traffic analysis; utility coordination; permitting assistance; and public involvement services.

Federal Highway (US 1) Enhancements, Delray Beach CRA — Project manager. This project included two miles of the US 1 oneway pair in each direction in Delray Beach. The City and its Community Redevelopment Agency (CRA) adopted the Downtown Delray Beach Master Plan, which has as one of its key elements a reconfiguration of the two one-way segments of US 1 from three lanes to two lanes. The design provided two lanes each way with on-street parking for both avenues, City residents and visitors will soon enjoy the benefits of on-street, buffered parking; slower speeds and a safer, more pedestrian-friendly environment; landscaping beautification and decorative, environmentally sensitive street lighting; bicycle lanes; and a new sense of continuity with the Downtown area.

24th and 25th Street Improvements, West Palm Beach — Project manager for the Kimley-Horn team retained by the City of West Palm Beach to provide streetscape improvements in the Northwood neighborhood area. This project is a joint effort between the City of West Palm Beach and the West Palm Beach Community Redevelopment Agency (CRA) to reconstruct each of the two-lane roadways with on-street parallel parking on both sides, thus creating a main street through the District. The project is envisioned as an impetus to spur redevelopment of that District. As such, it required an intensive public involvement program that included residents, merchants, the CRA Advisory Board, and the CRA Board, which is the City Commission. The project included extensive landscape and hardscape plans, renderings, decorative street lights, drainage, signing and marking, and traffic control plans; 24th and 25th Streets were also designated as SR 5 and are owned and maintained by the Florida Department of Transportation (FDOT). Therefore, permitting and close coordination with FDOT were necessary. Due to local agency participation, funding was provided by state and federal governments.



PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, Arizona State University, 1980

Professional Engineer in Florida, #49143, April 1, 1995

SPECIAL QUALIFICATIONS

Has 39 years of bridge design, construction, scour analysis, and inspection experience

Particular experience with design of large, cast-in-place post-tensioned concrete box girder bridges, and steel-welded plate and box girders, along with precast prestressed bridges, precast prestressed and cast-in-place flat slab bridges, retaining walls, box culverts, and highway sign and signal structures

Specializes in structural design, construction and maintenance, bridge scour analyses, and highway geometrics and design

Tom Farnan, P.E.

Quality Assurance/Quality Control

Relevant Experience

Dixie Highway Flyover Design-Build, FDOT District Four — Structural team leader for the design of a new roadway and bridge to connect Dixie Highway from north of Hillsboro Road along west side of FEC RR, over the FEC RR and Hillsboro Canal, and connecting into existing Dixie Highway north of Hillsboro Canal east of the FEC RR tracks. Lead bridge designer for all retaining walls, a three-span vehicular bridge, a single-span, 218-ft long, steel box girder pedestrian bridge (both over the Hillsboro Canal), and all substructure designs for the main bridge consisting of eight spans of curved steel box girders.

NW 25th Street Widening and Viaduct, FDOT District Six, Miami Project manager, lead structural engineer, and engineer of record for Kimley-Horn's services. Duties included the design and checks for the bulkhead walls, at grade canal bridge, and viaduct portions for the three-span continuous steel plate girder units over SR 836 and NW 72nd Avenue.

Reconstruction of Krome Avenue (SR 997) from South of SW 296 Street to South of SW 232 Street, FDOT District Six — Senior structural engineer responsible for design of the bridge over the SFWMD canal. Kimley-Horn is providing roadway, signing and marking, signalization, lighting, structures and landscape design. The project consists of widening the existing 2-lane undivided road to a 4-lane divided road with a 10' wide shared use path. This project is part of the Krome Avenue South Corridor and has several environmentally sensitive areas. This segment of Krome Avenue handles part of the main freight activity in south and west Miami-Dade County, with a daily truck percentage of 15%.

Turnpike Mainline Widening Design, Boynton Beach to Lake Worth, Florida's Turnpike Enterprise (FTE) — Lead structural engineer for this 7.2-mile reconstruction of existing four-lane to eight-lane divided expressway that includes a new Interchange and conversion of mainline barrier plaza into full 8-lane open road tolling (ORT) expressway complete with ramp manual tolling. The project encompasses roadway widening, bridge widening and replacements, 2,500 feet of a major Lake Worth Drainage District Canal relocation, right-of-way acquisition, new toll plaza buildings, overhead signage, pavement markings, signalization, lighting, landscaping, ITS system relocation, utility adjustment, new sound barrier wall, and complex traffic control during construction. Led a team of 12 in-house multi-disciplinary staff.

Lantana Toll Plaza Open Road Tolling (ORT) Design, Palm Beach County — Served as project engineer. The ORT-Lite project was a fast-track, cost-conscious initiative of Florida's Turnpike Enterprise to institute Open Road Tolling (ORT) at both the Cypress Creek and Lantana Mainline Toll Plazas. The project included pavement widening, milling, resurfacing, and overbuild of the roadway approaches to the Lantana Toll Plaza, overhead signage, pavement markings, guardrail installation, toll plaza modifications, equipment gantry installation, and traffic control analyses and plans. The complexity of the project required close coordination with Turnpike staff, toll equipment installers, CEI staff and the contractor in the field. In order to maintain a steady revenue stream for the Florida's Turnpike Enterprise, the traffic control plan and switch over to the new tolling equipment necessitated nighttime lane closures.

Sand Lake Road and Florida's Turnpike Interchange Design, FDOT District Five — Structural engineer for design of a new interchange for SR 91 (Turnpike Mainline) and SR 482 (Sand Lake Road) in Orange County.

Responsible for all structural design, including removal and replacement of the existing westbound bridge, superstructure replacement for the eastbound bridge, design of new SPU ramps, design of seven retaining walls, box culverts, and all overhead sign structures, mast arms, and drainage structures.

I-75 Managed Lane Project (Segments A&B) Design Build, FDOT District Four — Engineer of Record for the design of a nonaccessible express lane toll gantry on I-75 just north of the Florida's Turnpike Extension (HEFT). This gantry was designed in accordance with the Turnpikes GTR and required special coordination with Turnpike tolling staff since this gantry was the first bi-directional use tolling. Placement of tolling equipment was critical for this gantry. The gantry consisted of a tri-chord span truss structure with all the supporting tolling frame work and equipment.

I-75 Managed Lane Project (Segment C)- TS Design, FDOT District Four — Engineer of Record for the design of a non-accessible express lane toll gantry on I-75 just south of Miramar Parkway and a second gantry just south of Sheridan Street. These gantries were designed in accordance with the Turnpikes GTR and required special coordination with Turnpike tolling staff since this gantry was the first bi-directional use tolling. Placement of tolling equipment was critical for these gantries. The gantries consisted of a trichord span truss structure with all the supporting tolling frame work and equipment.

I-75 Managed Lane Project (Segment D) ITS Design, FDOT District Four — Engineer of Record for the design of a non-accessible express lane toll gantry on I-75 just north of Griffin Road. This gantry was designed in accordance with the Turnpikes GTR and required special coordination with Turnpike tolling staff since this gantry was the first bi-directional use tolling. Placement of tolling equipment was critical for this gantry. The gantry consisted of a tri-chord span truss structure with all the supporting tolling frame work and equipment.

PD&E Study for Widening of Florida's Turnpike Spur and the HEFT North, Broward/ Miami-Dade Counties — Structural engineer for the Kimley-Horn team that is serving as a subconsultant to another firm to provide engineering services for a PD&E study for the widening of the Florida's Turnpike Spur and the HEFT from East of NW 57th Avenue to Mainline in Broward and Miami-Dade counties. Kimley-Horn's role is to provide environmental and public involvement support, as well as to assist with roadway design, structural elements, drainage (including preparation of a Location Hydraulics Technical Memorandum and a Pond Siting Report), permitting, and lighting.

Sawgrass Widening PD&E Study, Florida's Turnpike Enterprise, Broward and Palm Beach Counties Led structural design for more than six miles of noise walls for this project in Broward County. The project involved conducting a PD&E study for the widening of an eight-mile section of the expressway in Broward County. The key issue identified was noise impacts and mitigation of these impacts to adjacent homeowners. Location design acceptance was obtained in 12 months.

Turnpike Mainline Widening from Lake Worth to Jupiter, PD&E Study and Design, Palm Beach County — Lead structural engineer responsible for bridge analysis reports for eight bridges, including bridges replacements and ramps over Okeechobee Blvd., SR 710, PGA Blvd., and several canal crossings. Turnpike Mainline Widening from Sunrise to Atlantic, Florida's Turnpike Enterprise, Broward County — Lead structural engineer for two bridge widenings and two bridge replacements for this 6.5-mile widening project in Broward County. Also responsible for all the retaining walls and bulkhead walls along the project.

Turnpike Widening from HEFT to Johnson Street PD&E Study and Design, Broward County — Lead structural engineer for design of three bridge widenings, one bridge replacement, and one new bridge along with associated retaining walls and bulkhead walls.

HEFT Widening Final Design and Permitting, Okeechobee Mainline Toll Plaza to I-75, Florida's Turnpike Enterprise — Structural engineer for 10 bridge widenings on Florida's Turnpike. Services included design and plans preparation of concrete superstructure and substructure elements, maintenance of traffic concerns, and overhead sign design.

Turnpike (SR 91) All Electronic Tolling (AET) 5A Conversion from I-595 to South of the Lantana Mainline Toll Plaza — Structural engineer. Kimley-Horn was selected to provide design services for the conversion of the existing tolling scheme along the Turnpike to all electronic tolling (AET). The current system uses a combination of ramp toll plazas and mainline barrier toll plazas. FTE's goal is to incorporate a mainline gantry configuration whereby existing ramp toll plazas are removed and mainline tolling points between each interchange are constructed.



Angelina Fairchild, P.E., LEED AP

Assistant Project Manager

Relevant Experience

Atlantic Boulevard Bascule Bridge Improvements including Decorative Sails and Lighting, City of Pompano Beach — Structural engineer. Kimley-Horn served the City of Pompano Beach with CSA Architects and Burkhardt Construction to incorporate safety and aesthetic improvements to this 400-foot bascule bridge over the Intracoastal Waterway. Kimley-Horn designed a replacement traffic railing to improve safety and aesthetics, as well as an under-bridge walkway to improve pedestrian access to the water. The project involved the design and construction of enhancements to the bridge façade, tender house, traffic railings, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on bridge façades, landbased lighting, and a pedestrian esplanade under the bridge connecting restaurants and buildings from the south to the north. The design-build team was responsible for complete design, permitting, and coordination with FDOT. Kimley-Horn obtained all permits for the project through coordination with FDOT, USACE, USCG, FDEP, the City, and SFWMD. The project created a signature gateway within the City's Beach district

Goodyear Facility Expansion, Pompano Beach Airpark, Pompano Beach, FL — Structural engineer. The existing hangar facility will be enlarged by 7,800 square feet to accommodate the new airship and will be updated with new features. Kimley-Horn has led the site planning process through the City of Pompano Beach and has been responsible for a variety of facility improvements.

Brickell Key One Property Structural Assessment and Repair Work, Miami, FL — Project manager for the assessment of building structural elements for three buildings, including exterior façade, roof, parking garage, and ancillary structures. Built in the 1970s, the Brickell Key One property includes a 22-story oceanfront condominium tower with two additional levels of parking, a commercial complex, and an oceanfront "bay home" townhouse building. Subsequent to the property condition assessment of exterior façade and concrete elements of the building, Kimley-Horn has performed the analysis, design, and preparation of construction drawings, product specifications, and bid packages for the repairs. We are providing construction phase services.

Skypass Bridge, Port of Palm Beach, Riviera Beach, FL — Structural engineer for design of a 1,900-foot, four-lane bridge over US 1. Kimley-Horn's fast-track design of roadway approaches and the bridge, which rises to 69 feet, allowed for the elevation of US 1 to improve port operations. The bridge was constructed in two sections to maintain existing traffic. Design and contract plans were produced in less than nine months.

Royal Palm Boulevard Bridge over Margate Canal, Margate Improvements, FL — Project engineer. Our services included the engineering design and development of construction documents for Royal Palm Boulevard Improvements beginning approximately 200 feet± east of the Margate Canal and extending east to the west half right-of-way of SR 7 (441), approximately one mile in total length. The project involved realignment of the roadway, east- and westbound left-turn lanes, access management modifications, renovation of an existing bridge and medians, construction of pedestrian bridges, base enhancements, milling and resurfacing, providing new asphalt areas, swale improvements, minor drainage improvements, and lighting improvements. Professional services included design, permitting, coordinating with utility providers for adjustments and/or relocations, preparing quantity calculations and engineers' estimates of probable costs, and limited construction phase services.

Palmetto Expressway Interchange Bridge, FDOT District Six, Miami, FL — Structures task manager and lead engineer for the plans preparation for the rehabilitation of this urban interchange. The project included replacing and

PROFESSIONAL CREDENTIALS

Master of Science, Civil Engineering, University of Texas, Austin

Bachelor of Science, Architectural Engineering, University of Texas, Austin

Professional Engineer in Florida

LEED Accredited Professional

Excel CXL Tribometrist

SPECIAL QUALIFICATIONS

A lead engineer in our Florida region structural division with 33 years of experience

Principal areas of practice include industrial facilities, municipal projects, parks, marinas, bridges, and condition assessments

Involved in the design, rehabilitation, repair, construction, and inspection phase services on a variety of structural engineering projects that have included conventional reinforced concrete, precast prestressed concrete, post-tensioned concrete, and structural steel

The Florida Engineering Society (FES) has recognized Angelina as a leader in her field several times: In 2018 she was awarded Engineer of the Year by the Palm Beach Chapter; in 2014 she received the President's Award, in 2010, she received the state award for Outstanding Service to the Engineering Profession; and in 2000, she was selected as the state's Young Engineer of the Year.

Angelina Fairchild, P.E., LEED AP

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lengthening the two main overpass structures, adding two new ramp bridges and a new canal crossing, as well as a significant amount of retaining walls (permanent and temporary).

Bridge Scour Evaluation Program Tidal Model, Phase II, FDOT District Four — Project manager for Phase I qualitative assessments of existing bridges and the development of a two-dimensional tidal model for the Intracoastal Waterway within the District's limits. This model simulated storm surge and wind forces using SMS and RMA2 computer software. The modeling encompassed 160 miles of Intracoastal Waterway in South Florida from Port Everglades Inlet in Dade County to Sebastian Inlet in Brevard County and was part of the firm's Intracoastal modeling contract with District Four.

Bridge Scour Evaluation Program, FDOT District One — Performed quality assurance/quality control reviews for the Phase I reports of the bridge scour evaluation project and performed bridge rating analyses for several bridges in Pinellas County as part of this bridge scour project for District One. The firm performed over 1,400 Phase I quantitative and qualitative evaluations, 900 Phase II hydraulic/hydrologic evaluations, 100 Phase III structural and geotechnical evaluations, and prepared over 50 Phase IV countermeasure plans of action.

Bridge Rehabilitation Project, Deerfield Beach, FL — Structural engineer. Evaluated seven existing residential bridges for the City. The project included comparison of FDOT bridge inspection reports with existing field conditions. Based on these comparisons, Kimley-Horn recommended additional repairs needed, provided cost estimates, and prioritized repair projects. Additionally, Kimley-Horn prepared plans, specifications, and oversaw the implementation of the repairs.

Cane Ramp Structural Modifications, Design, and Construction for the Sugar Cane Growers Cooperative of Florida, Belle Glade, Palm Beach County, FL — The project consists of modifying an existing elevated concrete can ramp to accommodate larger trucks, and design a new steel frame hydraulic cane dumper system and its foundations to straddle across the cane ramp. The foundations will be constructed over the summer when the mill is shut down. The frame will be fabricated during the next crop and installed after the next grinding season. The foundation construction completion date is September 2013. The total project is expected to be completed in the summer of 2014.

Structural Assessment of 305 Maddock Way (Duck's Nest) and 323 Chilean Avenue, Palm Beach, FL Structural engineer in charge of conducting evaluations and producing structural engineering reports on two historic homes. The assessment was made to confirm or refute earlier evaluations to determine if the homes were structurally sound and could be renovated or necessitate demolition.

Miscellaneous Structures for Parks and Recreation Projects, Jupiter, FL — Provided structural engineering design and quality assurance services for structural elements (dugouts, concession stands, enclosures, etc.) for several park projects for the Town of Jupiter.

College of Business Complex Structural Façade Assessment, Boca Raton, FL — Serving as project manager for the field assessment, report and follow-up recommendations to repair structural deficiencies of the façades of the buildings that constitute the College of Business include the Fleming Hall Complex (Buildings 23, 24 and 25) as well as College of Business /Sean Stein Pavilion (Building 86), the DeSantis Pavilion (Building 87) and the Office Depart Center for Executive Education (Building 93).

North Ocean Boulevard Seawall Replacement, Palm Beach, FL — Structural engineer responsible for the evaluation of the existing condition of the seawall for the Town of Palm Beach along North Ocean Boulevard. Due to revised coastal loads, the age of seawall, and its interaction with an existing beach access tunnel, the decision was made to replace the existing seawall by driving new steel sheetpiles in front of the existing concrete wall. Permits from FDEP and USACE were required. Kimley-Horn developed the construction drawings for the seawall replacement and overall roadway corridor improvements. We also assisted the Town with bidding and provided construction observation services. The project upgraded the corridor along the beach including approximately 1,600 linear feet of seawall replacement, drainage, and pavement.

Beach Road Water Control Structure Rehabilitation, Sanibel, FL — The City of Sanibel owns and maintains a storm water conveyance and management system that includes water control structures operated by sluice gates. The Beach Road Water Control Structure (BRWCS) is part of the system draining an area south of Periwinkle Way and East of Donax Street to San Carlos Bay. The BRWCS structure was built circa 1992 of reinforced concrete with two 72" x 60" flush bottom sluice gates and an adjacent weir basin. As the project manager for Kimley-Horn, coordinated and oversaw the team that performed an in-depth inspection of the BRWCS both, above water and underwater to determine and document the attributes of each defect such that repair/rehab plans and bid documents could be prepared. Following the presentation of these findings, as the engineer of record, lead the engineering team that developed a Repair Protocol Manual, Plan details, and specifications suitable for construction and bidding to repair the deficiencies and restore the structures. Submitted proposal to provide post-design and construction phase services to the City.



Juan Fuentes, PE, SE, SI, LEED AP

Special Inspector

Relevant Experience

Stirrup Apartments, Miami, Florida — Principal, Engineer of Record, and Field Representative for this 5-story, 68-unit building. The project utilized concrete columns and an 8-inch post-tension concrete slab. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading.

Town Center Apartments, Miami, Florida — Principal, Engineer of Record, and Field Representative for this 5-story, 192-unit building. The project utilized concrete columns and an 8-inch post-tension concrete slab. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading.

26 Edgewater Condominiums, Miami, Florida — Principal, Engineer of Record, and Threshold Inspector for this 10-story, 175,000 square foot mixed-use building with 86 units. The project offers its residents a 3-level parking garage and fitness center on the roof amenities deck. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading. Floor plates required special attention during design due the thirty-foot span distance between columns.

Collins Park Apartments, Miami, Florida — Principal, Engineer of Record, and Field Representative for this 7-story, 124-unit building. The project utilized concrete columns and an 8-inch post-tension concrete slab. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading.

Wingate Hotel, Miami, Florida — Principal, Engineer of Record, and Threshold Inspector for this 6-story, 42,000-square-foot, 84-key hotel. The project consists of concrete columns and a 7.5-inch post tension concrete slab. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading.

Pines City Center Phase 1, Pembroke Pines, Florida — Project Manager, Engineer of Record, and Special Inspector responsible for the design and construction observation for \$20 Million retail center. The project consists of three separate single-story buildings and is approximately 200,000 square feet. The project utilized staggered masonry facades, open web steel joist, load bearing masonry walls, and shallow foundations.

Pines City Center Phase 1B, Pembroke Pines, Florida — Project Manager, Engineer of Record, and Threshold Inspector responsible for the design and construction observation for \$5 Million retail center. The project consists of three separate buildings and is approximately 50,000 square feet. The largest building is 40,000 square feet and two story. The project utilized open web steel joist, structural steel framing, composite steel floor framing, infill masonry, and shallow foundations.

Pines City Center Phase 2, Pembroke Pines, Florida — Project Manager, Engineer of Record, and Special Inspector responsible for the design and construction observation for \$10 Million retail center. The project consists of two separate single-story buildings and is approximately 100,000 square feet. The project utilized staggered masonry facades, open web steel joist, load bearing masonry walls, and shallow foundations.

PROFESSIONAL CREDENTIALS

Bachelor of Science in Civil Engineering, 2000

Bachelor of Science in Architectural Engineering, 2000 University of Miami Cum Laude

American Society of Civil Engineers (ASCE)

American Institute of Steel Construction (AISC)

American Concrete Institute (ACI)

Florida Structural Engineers Association (FSEA)

Professional Engineer Florida No. 62426

Special Inspector (Threshold) Florida No. 62426

Structural Engineer Illinois No. 081006736

LEED AP

SPECIAL QUALIFICATIONS

21 years of experience

Juan Fuentes, PE, SE, SI, LEED AP

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North Dade Maintenance Facility, Florida Department of Transportation District VI — Project engineer responsible for this phase II of the design/build project for FDOT District VI North Dade Maintenance Facility. Phase II included a single building containing eight-bay truck maintenance garage and 8,000 sq. ft. warehouse. The project also included miscellaneous structures such as material bins and canopy foundations for existing fueling facility.

City of Hialeah Solid Waste Building Addition, Hialeah, Florida — Project engineer responsible for the design and construction documents of the 2,500 sq. ft. addition to existing building. The addition provided new administrative space for the solid waste department.

Coral Springs Public Safety Training and Technology Center, City of Coral Springs, Florida — Project engineer responsible for the design and construction documents of the new \$3.9 million, 30,000 sq. ft. Training Center and attached apparatus bays. The project used an open web joist system for the floor structure that required an in-depth vibration analysis. The joist system is supported on a combination of interior steel girders, steel and concrete columns and load bearing masonry walls.

Oaks Road Fire Rescue Station, Town of Davie, Florida — Project engineer responsible for the design and construction documents of the new \$2.5 million, 15,000 sq. ft. fire station. The design required special to the cantilevered second floor structure and curved roof diaphragm.

Lauderhill Fire Station No. 57 Addition, Lauderhill, Florida — Project engineer responsible for the design of the 3,800 sq. ft. addition that included a 4-storey elevator tower. The addition of the elevator tower required special attention at the foundation level due to a 5 ft difference in elevation between new and existing foundations.

Plantation Fire Station No. 2 Addition, Plantation, Florida — Project engineer responsible for the design of the 4,200 sq. ft. addition to the existing fire station. The design required special attention at the new/existing diaphragm connection due to the existing building structure configuration.

Hialeah Fire Station No. 4 Addition, Hialeah, Florida — Project engineer responsible for the preparation of construction documents and structural design of 30-foot high tower addition. The addition required a mat foundation to minimize differential settlement between existing and new construction.

City of Hialeah Police Station Addition, Hialeah, Florida — Project engineer responsible for the design and preparation of construction documents for a new 4,500 sq. ft. covered walkway and 600 sq. ft. entry canopy. The entry canopy expressed the structure by using tube steel member for the bowstring trusses.



PROFESSIONAL CREDENTIALS

Master, Civil Engineering, George Mason University, 2015

Professional Engineer in Florida, #83599, August 3, 2017

American Society of Civil Engineers (ASCE)

National Society of Professional Engineers (NSPE)

SPECIAL QUALIFICATIONS

Has eight years of experience

Provides services to insurance companies and other confidential clients related to accidents, building failures, and other investigations

Jasen Lenker, P.E.

Structural Condition Assessments

Relevant Experience

Seawall Assessment, Repair Set of Plans, Opinion of Probable Cost and Construction Phase Services for 623 LF of Seawall at 9 Island Ave., Miami Beach, FL — Kimley-Horn was retained to assess the condition of the 623 LF of seawall on the east side of the Property located at 9 Island Ave., Miami Beach, FL and provide repair plans and specifications. The scope also includes issuing bid packages for the submittal of quotations to perform the Work, conduct a pre-bid meeting with potential bidders, and provide onsite construction observation services during the repair phase of the seawall.

Structural Assessment Following Hurricane Irma, Boynton Beach, FL — Provided structural assessment of a private residence following Hurricane Irma on behalf for Frontline Insurance.

Due Diligence Services - Property Condition Assessment, Dania Beach, FL — Project engineer. Kimley-Horn was retained to perform a baseline property condition assessment to observe and report on the physical condition of the property. The property was formerly occupied by a RV sales facility, but was recently vacated, but a potential buyer is considering purchasing the property.

LA Fitness, Garland, TX — Project engineer. Kimley-Horn was retained to perform a structural assessment of a LA Fitness building located in Garland, TX and report on the physical condition of the property. Noticeable structural cracks and settlement began to develop in the walls and foundation of the building in less than 5 years of service.

Crystal Lagoons Beachwalk, St. Johns County, FL — Project engineer. Kimley-Horn was selected to provide professional civil and landscape architectural services for the development of this luxury living community featuring a 14-acre crystal lagoon as the centerpiece—the largest man-made water feature in the U.S. The project includes 800 home sites, a clubhouse, and over 3 million square feet of retail and commercial space along CR 210. Kimley-Horn has been involved in this project since conceptual planning. Specific services provided include conceptual design, full civil/site plans, construction documents, permitting, bidding assistance, and construction phase services.

Lake Worth Neighborhood Road Program Year 1, Year 2, and Year 3, Lake Worth, FL— Project engineer on the team that provided the City of Lake Worth with civil engineering services consisting of roadway design and drainage design. The effort focused mainly on pavement rehabilitation on roadways with the lowest pavement condition index. In addition to pavement rehabilitation, Kimley-Horn designed new catch basins, additional traffic calming measures, and ADA compliant sidewalk routes to provide continuity in the neighborhood. Tasks include data collection, utility coordination, development of construction documents, bidding assistance, and observation during construction. Lake Worth Neighborhood Road Program Year 3 is still in design.

Mercy Hospital Seawall and Loading Dock Replacement, Miami, FL — Project Engineer. Performed an above and below water condition assessment of the 623-LF concrete post and panel seawall on the east side of the 9 Island Avenue. Our team also performed a timber marina assessment following Hurricane Irma - which was severely damaged during the storm rendering it inoperable and unsafe. Services provided included a visual and tactile level 2 seawall inspection in accordance with the guidelines of ASCE Practice No. 130; timber marina damage assessment; repair plans, specifications, and opinion of probable cost for repairs to the seawall and total replacement of the timber marina.

North Bay Village Continuing Services Agreement for Planning, Utilities, Engineering, and Roadways, North Bay Village, FL — Project engineer. Kimley-Horn provides general engineering services for the City of North Bay Village on an ongoing basis. Services have included water and wastewater studies, planning, design, permitting, and construction phase services.

Welleby Park Expansion, Sunrise, FL — Project analyst. The City of Sunrise retained Kimley-Horn for improvements to Welleby Park located at NW 44th Street and Hiatus Road within the City of Sunrise. Kimley-Horn will provide conceptual design for two options for the park redevelopment to be presented at a public presentation meeting. Our team will refine the concept design and prepare design plans, including paving and drainage plans, utility plans, and signing and marking plans.

West Villages Improvement District (WVID) Southwest Wastewater Reclamation Facility (SWWWF), North Port, FL — Project engineer. Kimley-Horn is providing a full range of engineering and hydrogeologic consulting services for the West Villages Improvement District (WVID) Wastewater Reclamation Facility (SWWWF). Kimley-Horn is preparing a preliminary site plan to establish a hydraulic profile for the SWWWWF. Kimley-Horn will prepare a hydraulic analysis of the Island Walk and Gran Paradiso development master pump stations, along with the three additional existing lift stations currently manifolded into the existing force main, to determine modifications required to redirect the discharge to the SWWWWF headworks. Kimley-Horn will prepare plans and specifications for the construction of a Class I industrial DIW for the future disposal of SWWWWF wet weather discharges and membrane concentrate (brine) for the future WVID reverse osmosis (RO) water treatment plant (WTP) in accordance with the approved Preliminary Design Report (PDR). Kimley-Horn will prepare a PDR for the injection well system and submit an underground injection control (UIC) permit to the FDEP. Permitting agencies we are dealing with include the Southwest Florida Water Management District (SWFWMD), FDEP, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, City of North Port, and FDOT.



Jerry Piccolo, P.E.

Bridge Structures

Relevant Experience

City of Pompano Beach, Atlantic Boulevard Bascule Bridge

Improvements including Decorative Sails and Lighting, Pompano Beach, FL — Structural engineer. Kimley-Horn served the City of Pompano Beach with CSA Architects and Burkhardt Construction to incorporate safety and aesthetic improvements to this 400-foot bascule bridge over the Intracoastal Waterway. Kimley-Horn designed a replacement traffic railing to improve safety and aesthetics, as well as an under-bridge walkway to improve pedestrian access to the water. The project involved the design and construction of enhancements to the bridge façade, tender house, traffic railings, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on bridge façades, land-based lighting, and a pedestrian esplanade under the bridge connecting restaurants and buildings from the south to the north. The design-build team was responsible for complete design, permitting, and coordination with FDOT. Kimley-Horn obtained all permits for the project through coordination with FDOT, USACE, USCG, FDEP, the City, and SFWMD. The project created a signature gateway within the City's Beach district.

Lowson Boulevard Pedestrian Bridges, Delray Beach, FL — Project manager. Kimley-Horn was retained by Delray Beach to complete a set of construction plans for two pedestrian bridges for the proposed Lowson Blvd. pedestrian bridge over Lake Worth Drainage District's (LWDD) E-4 Canal. The bridges will be on either side of the canal. The bridge is part of the bicycle lane addition for Lowson Blvd. The project also includes the preparation of a Type 1 Categorical Exclusion environmental document with permitting and coordination with LWDD and the US Army Corps of Engineers.

Design-Build Criteria Packages for I-95 Interchange Improvements at Donald Ross Road, Woolbright Road, 10th Avenue North, and Hypoluxo Road, FDOT District Four — Structural engineer for the development of design-build criteria packages for four interchanges in Palm Beach County as a subconsultant to another firm. Services included roadway and structural contract plans, RFP development, and design variations/exceptions (as necessary) for horizontal and vertical clearances to the railroad tracks at each interchange. Kimley-Horn also provided shop drawing reviews of MSE walls, overhead signs, signal equipment, lighting equipment, and drainage facilities.

Florida's Turnpike Widening from Glades Road to Atlantic Avenue, Florida's Turnpike Enterprise, Palm Beach County, FL — Structural engineer. Kimley-Horn is providing professional services for the widening design of the Turnpike mainline from 6 to 10 lanes, including express lanes. Design services include stabilizing the Lake Worth Drainage District (LWDD) E-2W canal bank to support the project's widening, replacing the Yamato Road bridge over the Turnpike, widening the bridge over Clint Moore Road, replacing the bridge over L-38 Canal, designing noise barriers, roadway lighting, signing and pavement markings, and utility coordination.

Glades Road and Butts Road Intersection Improvements, Boca Raton, FL — Structural engineer for design of a signal replacement and second southbound turn lane on Butts Road at the intersection of SR 808/ Glades Road as part of our countywide miscellaneous services contract

PROFESSIONAL CREDENTIALS

Master of Engineering, Civil Engineering, University of Florida, 2012

Bachelor of Science, Civil Engineering, University of Florida, 2011

Professional Engineer in Florida, #80484, January 20, 2016

SPECIAL QUALIFICATIONS

Seven years of experience providing structural design support for roadway improvements in South Florida

Experience includes bridge design, mast-arm design, overhead sign structures, retaining walls, noise walls, toll gantries, and construction phase services

for Palm Beach County. Kimley-Horn's services included signal plans and design to replace the existing mast-arm assembly, signing and pavement marking plans, roadway and intersection design, drainage design, and environmental permitting with South Florida Water Management District and Lake Worth Drainage District.

I-75 Managed Lane Project (Segments A & B) Design-Build from NW 170th Street to South of Miramar Parkway, FDOT District Four, Fort Lauderdale, FL — Structural analyst for the firm's services for this design-build project as a subconsultant to another firm. Responsibilities included structural plans for two steel box girder bridges, four precast/prestressed concrete beam bridges, and all retaining walls, toll gantries, and overhead sign structures.

Lyons Road from Clint Moore Road to Atlantic Avenue, Boca Raton, FL — Structural engineer. As a subconsultant to another firm, Kimley-Horn is providing structural design services for a new Lyons Road bridge over the Lake Worth Drainage District (LWDD) L-38 Canal adjacent to the existing bridge. Careful attention needs to be maintained when working adjacent to existing large underground utilities and overhead electric lines that may interfere with bridge pile driving. Kimley-Horn is coordinating closely with LWDD for the design of the new bridge and consideration of canal access.

Okeechobee Road (SR 25) from East of NW 87 Ave to NW 79 Ave, FDOT District Six — Structural engineer for final design services for the reconstruction of a ¾-mile section of Okeechobee Road in Miami-Dade County. Services include widening the existing road to 4 lanes in each direction; widening the NW 79th Avenue Bridge over the Miami (C-6) Canal; intersection modifications at NW 95th Street and Frontage Road; relocation of an existing BJs Wholesale Club entrance and addition of a new free-flow right-turn lane; and new access from the Frontage Road to westbound Okeechobee Road. Kimley-Horn is also responsible for all permitting; structural design; drainage design; signing and marking; signalization; lighting design; ITS system design; and landscaping along the corridor.

SR 992/SW 152nd St. (Coral Reef Dr.) from SR 821 (HEFT) NB Ramp to SR 5/US-1, FDOT District Six — Structural engineer for the rehabilitation and retrofit of an existing 3-span, PC/PS concrete slab unit bridge crossing the C-100 Canal. The existing bridge utilized non-composite slab units placed side-by-side with an asphalt topping. Over the years, through milling and resurfacing operations, the asphalt thickness had increased 2-3 times the original maximum design thickness in several locations. In addition, differential movement between adjacent slab units resulted in full-depth longitudinal cracks in the asphalt along the length of the bridge causing distress in the asphalt and allowing rainwater and debris to seep through the bridge in multiple locations, increasing the frequency and cost of long-term maintenance. As part of the project, the bridge was converted to a composite bridge by removing the asphalt overlay and replacing it with a cast-in-place reinforced concrete topping slab. Reinforcing dowels were installed into the top of the existing slab units to ensure composite action. In addition, expansion joints were replaced at all supports, concrete traffic railings were reconstructed to the latest FDOT Standards, and new ADA compliant sidewalks with aluminum pedestrian railings were reconstructed along each side of the bridge.

Old Dixie Highway, Yamato Road to Linton Boulevard, Boca Raton, FL — Structural engineer of record. As a subconsultant to another firm, Kimley-Horn provided structural design and signalization services for the construction of a new three-lane urban roadway section from Yamato Road to Linton Boulevard. The project scope included the design, permitting, and construction plans for 3.5 miles of Old Dixie Highway from north of Yamato Road to north of Linton Blvd. The structural component of the project included the bridge replacement over the C-15 Canal. Our team coordinated with Palm Beach County Utilities and South Florida Water Management District for relocation of existing utilities and ultimate design of the bridge replacement.

PD&E Study for Florida's Turnpike Spur and the HEFT from NW 57th Avenue to Turnpike Mainline, Broward/Miami-Dade Counties, FL — Structural analyst for the Kimley-Horn team that is serving as a subconsultant to another firm to provide engineering services for a PD&E study for the widening of the Florida's Turnpike Spur and the HEFT from East of NW 57th Avenue to Mainline in Broward and Miami-Dade counties. Kimley-Horn's role is to provide environmental and public involvement support, as well as to assist with roadway design, structural elements, drainage (including preparation of a Location Hydraulics Technical Memorandum and a Pond Siting Report), permitting, and lighting.

Jaime Ghitelman, P.E.

Construction Phase Services

Relevant Experience

Berth 1 Bulkhead Replacement, Port of Palm Beach, Riviera Beach, FL

— Project Inspector/lead diver. Kimley-Horn is responsible for the analysis, design, and construction document development for upland paving with a bulkhead replacement to -35 ft. dredge depth. Responsibilities also included development of a fast-track construction phasing and sequencing. The slip uses a steel sheet pile wall with a drilled soil anchor tie back system and a concrete cap. At 450 ft. long, this replacement project is a major addition to solve the Port's berthing long-term needs.

Mercy Hospital Seawall and Loading Dock Replacement, Miami, FL

— Lead diver and project analyst for the dock portion of the project. This project includes strengthening of 2,000 feet of seawall along the perimeter of Mercy Hospital's property in Miami. The construction tasks for this project include steel sheetpile installation, tie rod installation between existing wall and new wall, concrete cap placement, backfill, and site grading. This project also includes the construction of a new landing dock for rescue vessels adjacent to the seawall. Kimley-Horn provided design, planning, bidding, permitting, and construction phase services for this \$4-million project.

Underwater Seawall Inspections, Broward, Miami-Dade, and Palm Beach Counties, FL

— Project analyst. Lead diver involved with inspections and assessments of seawalls throughout the tri-county area, both underwater and in-water.

Ponce Bridge Preventative Maintenance Program, Puerto Rico

Project analyst tasked with performing the field work and developing the plans and specifications. Kimley-Horn was contracted to perform an assessment of seven bridges along PR-52 in the Ponce Municipality of Puerto Rico. As part of this contract, Kimley-Horn develop the preventative maintenance protocol that the Transportation Authority can use to determine what preventative procedures should be performed on the bridges. Additionally, Kimley-Horn developed plans and specifications for the implementation of these procedures.

9 Island Avenue Seawall, Miami Beach, FL

— Led above- and below-water condition assessment of the 623-LF concrete post and panel seawall on the east side of the 9 Island Avenue. Conducted an underwater Level II inspection of the concrete seawall structure along the southwest side of the property. The Level II inspection included a detailed visual and tactile examination of the structure, both above and under the water surface. Sixty-three concrete piles were observed during the inspections and used as basepoints for locating deficiencies, which were documented with photographs. Limited non-destructive testing, including sounding, was performed during the inspection to assess any deficiencies not apparent during the visual examination.

Annie's Dock, Palm Beach, FL — Second underwater inspector. Kimley-Horn provided professional engineering services for the marine aspects of the repair and restoration of Annie's Dock on the North End of Palm Beach Island. Repairs and restoration included the removal of damaged concrete



PROFESSIONAL CREDENTIALS

Master of Science, Civil Engineering,
Georgia Institute of Technology,
2015

Bachelor of Science, Civil
Engineering, Georgia Institute of
Technology, 2014

Professional Engineer in Florida
#87473, June 1, 2019

Technical Diving International (TDI)
— Intro to Tech Diving Certification
(Certificate #: 856075)

National Highway Institute Safety
Inspection of In-Service Bridges
Training

FirstAid CPR AED, NSC, 08/16/2019

American Institute of Steel
Construction

SPECIAL QUALIFICATIONS

Six years of experience involved
with civil engineering, structural,
and forensics projects

Software experience includes
AutoCad and Autodesk

Proficient in Finite Elements
Analysis Programs: RISA 3D, STAAD,
RAM Elements

caps, the elevating of the existing structures, the refurbishment of the existing metal walkways damaged during Hurricane Irma.

Bradley Park Improvements, Palm Beach, FL — Project analyst. Kimley-Horn served the Preservation Foundation of Palm Beach for landscaping and hardscaping improvements within Bradley Park. Services performed for this project included: replacing existing sidewalks along the park perimeter, regrading the interior of the park, addition of Lake Trail, addition or refurbishment of entry feature, new landscaping, new landscape lighting, fountain relocation, restroom replacement, and addition of overlook. Our team provided construction document preparation, permitting assistance (SFWMD), Guaranteed Maximum Price Review with contractor, and construction observation.

Brickell Key One Property Structural Assessment and Repair Work, Miami, FL — Engineer and inspector for a building repair design and construction phase services. Built in the 1970s, the Brickell Key One property includes a 22-story oceanfront condominium tower with two additional levels of parking, a commercial complex, and an oceanfront “bay home” townhouse building. Subsequent to the property condition assessment of exterior façade and concrete elements of the building, Kimley-Horn has performed the analysis, design, and preparation of construction drawings, product specifications, and bid packages for the repairs. We are currently assisting the Association with bid evaluations and providing construction phase services.

Implementation of Preventative Maintenance Program Protocol for Ponce Bridges 2267, 2271, 2272, 2335, 2370, and 2371 at PR-52, Ponce, Puerto Rico — Project Analyst. Kimley-Horn implemented preservation activities according to their Systematic Preventative Maintenance Program Protocol and FHWA's Preservation Guide for Bridges 2267, 2271, 2335, 2370, and 2371 at PR-52 in Ponce, PR. The purpose was to extend the service life of the existing bridges superstructure using the latest techniques in preservation.

Madeleine Villas on Crespi Boulevard for City of Miami Beach, Miami Beach, FL — Project analyst for residential seawall evaluation and reconstruction. Kimley-Horn performed an in-water condition assessment of the existing seawall to determine what potential repair options the city should consider. Upon completion of the inspection, a report with recommendations was submitted and a seawall repair was designed.

Mt. Sinai Hospital Bed Tower, Miami Beach, FL — Project analyst providing seawall inspection at the project site. This project consists of the construction of a new 200-bed tower that will convert a portion of the facility's semi-private beds to private beds; a new emergency department; new helipad; reconstruction of parking area; construction of a new main entry drive; and construction of a 400-space parking garage.

Roadway Sign Emergency Repairs After Hurricane Maria, Puerto Rico — Project analyst responsible for performing field work and helping develop the plans for replacement of signs. Kimley-Horn was contracted to assess the condition of roadway signs, overhead structures, and signal structures post-hurricane Maria and document any signs that warranted replacement. Kimley-Horn was responsible for approximately 220 km of road along the island in the municipalities of San Juan and Adjuntas.

Miramar Fire Station #107 Emergency Traffic Signal Design, Miramar, FL — Project analyst. Kimley-Horn was retained by a local firm to provide design of an emergency traffic signal for a new fire station located on the north side of Miramar Parkway, west of Red Road in Miramar, FL. Kimley-Horn developed a Conceptual Signal Plan for the modifications to one corner of the intersection to be submitted for the 60% review stage. The Conceptual Signal Plan indicates the location of the proposed signal pole and mast arm, controller, mast arm orientation, signal head placement, pedestrian signal heads and pushbuttons, and electrical devices. Kimley-Horn will coordinate with Broward County Traffic Engineering Division to determine the location or relocation of the signal hardware, the need for interconnection with adjacent traffic signals (if necessary) and the extent to which existing electric services can be used with the proposed signal. Kimley-Horn will also prepare traffic signal design plans and furnish a Signal Plans Package for the project.



PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering,

Florida International University,
2007

Professional Engineer in Florida,
#74655, June 8, 2012

American Society of Civil Engineers (ASCE)

Florida Engineering Society,
Member

SPECIAL QUALIFICATIONS

More than 14 years of engineering experience, including roadway restoration/resurfacing, drainage modeling, water/wastewater utility design, stormwater master planning, preparation of engineering drawings, permitting, and site/plan preparation and review

Prior to joining Kimley-Horn, served as Sergeant in the U.S. Marine Corps for five years

Extensive experience with AutoCAD, WaterCAD, StormCAD, and Cascade

Stefano Viola, P.E.

Parks and Recreational Facilities

Relevant Experience

Royal Palm Boulevard Bridge over Margate Canal, Margate — Project engineer for the realignment of the roadway, east- and westbound left turn lanes, access management modifications, renovation of an existing bridge and medians, construction of pedestrian bridges, base enhancements, milling and resurfacing, providing new asphalt areas, swale improvements, drainage improvements, landscaping, irrigation, and lighting improvements. Also provided utility coordination. The work included design of a roadway bridge and two pedestrian bridges, roadway and turn lanes, drainage, signing and pavement markings, government agency approvals, coordinating with utility providers for adjustments and or relocations, preparing detailed quantity calculations and engineers estimates of probable costs, and providing resident project representation and incidental items.

24-inch Water Main Route Evaluation Report and Design, West Palm Beach — Provided utility coordination for the relocation of an existing subaqueous 24-inch water main that conflicted with the new bridge location. To implement the most beneficial relocation route for the City, Kimley-Horn developed a water main route evaluation report. The project included evaluating four alternative water main alignments to cross the Intracoastal Waterway from the City of West Palm Beach to the Town of Palm Beach. The report discussed community impacts, constructability, permit feasibility, and a recommendation to proceed with a preferred water main route.

Peruvian Avenue Streetscape, Palm Beach — Project engineer for design, permitting, and construction phase services of this streetscape project in the Town of Palm Beach. The project was funded by private residents along Peruvian Avenue who wanted to implement their vision to renovate the right-of-way by adding landscape islands, street trees and decorative plantings, new lighting, decorative sidewalks, irrigation, and associated infrastructure improvements. The project was challenging due to substandard longitudinal and transverse roadway cross slopes that needed to be addressed while maintaining ADA accessibility and vehicle access.

Westside Blueway Trail Phase II, Miami Gardens — Project manager for planning and design services for the development of the Westside Blueway Trail inclusive of the site amenities and furnishings. The firm was also tasked with providing full construction documents and specifications as required for the bidding, construction observations, and administration of the project. Kimley-Horn's responsibilities included processing applications for construction permits and securing the necessary approvals through all applicable permitting agencies. One of which was the FDOT LAP approval.

Town Hall Square Streetscape and Infrastructure Improvements, Palm Beach — Project engineer for this historic fountain restoration and roadway beautification project within the heart of the Town's commercial corridor. Phase I of the project included the restoration of the Mizner Memorial Fountain that was originally constructed in 1929. This part of the project was partially funded by the State of Florida through a historic preservation grant. Phase II of the project includes streetscape improvements consisting of landscaped nodes, decorative pedestrian crossings, updated urban park landscaping that creates a public gathering area in the median of a roadway where the fountain feature resides, modification of various underground utilities, replacement of sidewalks with decorative tabby concrete, and the introduction of many landscaping and architectural elements throughout the area. Phase II of the project will be partially funded by the state of Florida through a historic preservation grant and through private citizen donations.

Continuing Services Contract for Utilities and Infrastructure, Hollywood Project engineer. Kimley-Horn has been serving the City of Hollywood since 2011 on a variety of utility and infrastructure projects including: South Park Road 16-inch Force Main Upgrade; Water Main Replacement Program 11-5110 – Hollywood Blvd. to Pembroke Road, I-95 to S. 26th Avenue; Water Main

Replacement Program 12-5114 – Hollywood Blvd. to Pembroke Road, S. 26th Avenue to S. Dixie Highway; and 6-inch to 16-inch Water Main Replacement Program 14-5122 – Hollywood Blvd. to Moffett Street, U.S. 1 to Intracoastal Waterway (Phase III). Kimley-Horn's services include design and preparation of construction documents, regulatory assistance, assistance with bid and award of the construction contract, and construction administration services.

Stormwater Master Plan, Medley — Project engineer. Kimley-Horn was retained to prepare a Stormwater Master plan for the Town, which faces a number of challenges, including a high water table relative to the existing grade (which are generally very flat; numerous pockets of contamination throughout the Town caused by industrial tenants); Florida East Coast Railway, which bisects the Town and thus often makes conveyance of stormwater to the nearby C-6 Canal (the Miami River) cost prohibitive; and the lingering threat of sea level rise and climate change. As part of the Stormwater Master Plan, Kimley-Horn is helping to prioritize 12 problem areas for the Town; plan and model projects to improve the conditions; provide pollutant loading reduction information for use in grant applications; and considering the Southeast Florida Unified Sea Level Rise Study findings, a requirement to ensure the projects provide long-term flood protection and to ensure eligibility for financial assistance from Miami-Dade County in the future.

Downtown Phase I and II, and Lake Patricia Roadway/Drainage Improvement Projects, Miami Lakes Project manager and provided permitting and construction phase services; also involved with preparation of construction documents and specifications. Kimley-Horn was involved with the design and permitting services to implement a large roadway and drainage improvement project located in Downtown Miami Lakes. The project area consisted of Bull Run Road from NW 67th Avenue south to Ludlum Road and Miami Lakeway North from NW 67th Avenue to Miami Lakes Drive. It also included Main Street and Meadow Walk from Bull Run to Miami Lakeway North. The capital project included approximately one mile of roadway restoration/resurfacing and drainage improvements in residential/business areas, curbing and sidewalk improvements, a new outfall pipe, swale restoration, signing and pavement markings, and site restoration. The drainage improvements consisted of approximately 3,000 linear feet of exfiltration trench, approximately 2,500 linear feet of HDPE piping, approximately 40 drainage structures and one outfall structure and headwall.

Historic Miramar Complete Streets, Miramar — Project engineer for the development of design concepts and a phasing plan for the City to implement their Complete Streets vision utilizing a Broward County Redevelopment Program grant. Opinions of probable construction cost were developed in support of the phasing plan, along with a narrative detailing the design and cost differences between the initial grant application and current anticipated construction pricing. The Complete Streets improvements, designated for the 255-acre project area, include 7 miles of sidewalk improvements with accessible ramps and crosswalks, potential biking facilities, decorative crosswalk treatments, street trees, sodded swale improvements, irrigation, and pedestrian level lighting.

Roadway Resurfacing Program – Pavement Management System Update, Miramar — Project engineer. Kimley-Horn was retained by the City of Miramar to update the City's Roadway Resurfacing Program. The program consists of a network level evaluation of pavements, comprising of the development of pavement inventory, roadway network definition, pavement condition surveys of approximately 195 centerline miles of roadway pavement, development of a PAVER pavement management database, development of list of capital needs to allow budgeting for the City's roadway resurfacing program.

Continuing Engineering Services, Miramar — Project manager for Kimley-Horn's general civil engineering, traffic engineering, landscape architecture and park design consulting services to the City of Miramar on an ongoing basis. Areas of assistance include review of traffic impact analyses and parking studies specific to development applications, park design services for the Police Benevolent Association Civic Center Park Expansion, reclaimed water line design, water main design, and site civil engineering. Additional services include involvement as a member of the City of Miramar's land development staff to provide traffic and transportation input to the Planning and Zoning Board and the City Commission for traffic operation issues and proposed development site plans.

Barton Boulevard Streetscape, Rockledge — Project engineer for this \$4.2-million facelift for two miles of Barton Boulevard, from US 1 on the east to Fiske Boulevard on the west. Also provided utility coordination. Kimley-Horn provided design services to improve traffic flow, add new decorative lighting and landscaping, contain a landscape median, improve pedestrian movements with new sidewalks and bike paths, upgrade drainage and stormwater management, install new mast arm traffic lights, add new infrastructure, and beautify the heart of the Redevelopment district. Kimley-Horn also worked with a number of agencies, such as the Florida Department of Transportation (FDOT), St. Johns River Water Management District, and the FEC Railway. In addition, the major intersection of US 1 and Barton Boulevard was improved as part of a multi-million dollar FDOT road widening project. The City and CRA have contributed \$1.5 million dollars for project enhancements which included pedway, landscaping, lighting, and wayside stations.



J. Casey Long, P.E.

Seawalls, Parks and Recreational Facilities

Relevant Experience

West Indian Company, Mooring Dolphin, Mooring Bollards and Pier Expansion and Bulkhead Replacement — Project Manager. Responsible for the coordination, management and overall design (EOR) of the Capital Improvements of the existing WICO docks in St. Thomas, USVI. Project improvements are estimated at \$16 million. The project team's responsibilities included creation of a new outer mooring dolphin with fender, a 150 foot long pier extension, two 72 inch mooring bollard monopiles, two new landside bollards, bollard replacements on the existing berths, repairs to the existing pier and 800 linear feet of new bulkhead allowing deepening of the existing inner berth. Project consulting consisted of construction document development, specifications, bidding services, bid evaluation / support and consultant services during construction. In addition to the Project Management role, he served as Structural Engineer of Record on the project for all aspects of the marine package with the responsibility of certifying the structural analysis and design of the structural elements.

Port of Miami, Cruise Terminal J Bulkhead Repair, Miami, FL Project Manager. Responsible for the project management and coordination for this project which involves the re-construction of a 1500 linear feet bulkhead cap adjacent to Cruise Terminal J. The improvements include concrete cap replacement, new fendering, new upland paving, water box replacement and phasing / maintenance of traffic Project consulting services consist of initial assessment of the wall condition above and below water, the preparation of the construction documents.

Port of Miami, South Side Bulkhead Assessment, Miami, FL Responsible for the project management, senior technical support and coordination for this project which involved the evaluation of existing conditions on nearly 4500 LF of bulkhead, evaluation of past reports and assessments and the review of as-built drawings. Project consulting services consist of initial assessment of the wall condition and preparation of the a summary report and recommendation of repairs needed.

Port of Miami, Bays 165 – 176 Assessment, Miami, FL — Responsible for the project management, senior technical support and coordination for this project which involved the evaluation of existing conditions on nearly 1500 LF of bulkhead, evaluation of past reports and assessments and the review of as-built drawings. Project consulting services also consist of an underwater inspections, development of specifications for test pits and exploration of structural conditions underground, and preparation of the a summary report and recommendation of repairs needed.

Port of Miami, Area 2, Seaboard Marina Bulkhead Expansion, Miami, FL — Project Manager. Responsible for the project management and coordination for this project which involved the construction of a 550 foot bulkhead to replace a rip-rap area at the Port of Miami for Seaboard Marine. The improvements include steel sheet pile bulkhead, fendering, paving, grading and drainage improvements; the addition of a water main extension, fire hydrants to support the bulkhead expansion and new fendering systems. Project consulting services consist of the preparation of the construction documents, bid evaluation / support and consultant services during construction.

PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, University of Florida, 1995

Master of Engineering, Structural Engineering, University of Florida, 1996

Professional Engineer in Florida, #56083, July 1, 2001

NCEES Certification, #23162

Florida Engineering Society

National Society of Professional Engineers (NSPE)

SPECIAL QUALIFICATIONS

Has 24 years of diverse civil and structural engineering experience on infrastructure improvement projects

Has provided structural and civil design aspects for port/marine, industrial, commercial, military and educational facilities

Specific examples include design of container/cruise ship bulkheads, floating dock facilities and marina, ship moorings, marina seawalls, paved container yard areas, mobile passenger walkways for cruise ship access, offshore saltwater pump station, and ship's camels

He has also designed or consulted on additional projects such as complete building systems (such as warehouses, office buildings, public safety facilities, and cruise terminals), warehouse crane rails, retaining walls, dredging projects, port planning

Extensive experience providing structural inspections, including

Canaveral Port Authority, Cruise Terminal 8 Expansion, Cape Canaveral, FL — Responsible for assisting in the coordination, management and overall design of the Canaveral Port Authority's Cruise Terminal No. 8 Expansion estimated at \$13 million. The project team's responsibilities included creation of a new parking area, design of a 20,000 SF cruise terminal expansion, design of an elevated connector walkway, parking garage vertical circulation cores, construction document development, specifications, bidding services, bid evaluation / support and consultant services during construction. In addition to the Assistant Project Management role, he served as Structural Engineer of Record on the project for the building with the responsibility of certifying the structural analysis and design of the structural elements.

Port of Miami, Area 3, Seaboard Marina Bulkhead Expansion, Miami, FL — Responsible for the project management and coordination for this project which involves the construction of a 750 foot bulkhead to replace a rip-rap area at the Port of Miami for Seaboard Marine. The improvements include steel sheet pile bulkhead, fendering, paving, grading and drainage improvements; the addition of a water main extension, two fire hydrants to support the bulkhead expansion and new fendering systems. Project consulting services consist of the preparation of the construction documents, bid evaluation / support and consultant services during construction.

Port of Miami, Crane Stow Pin and Tie-Down, Miami, FL — Responsible for the project management and coordination for this project which involves the construction of six crane tie down and stow pins at Port of Miami Wharves 3 through 6. The improvements included extensive coordination with the Owner and tenant to determine locations for these tie down in suitable locations for operations and the development of details that were compatible with maintaining the berths operational during construction with minimal down time. Design features included augercast pile foundations and concrete cap construction. Project consulting services consist of the preparation of the construction documents, bid evaluation / support and consultant services during construction.

City of Key West, Zero Duval Bulkhead, Key West, FL — Responsible for the Design management and coordination for this project which involves the construction of a 50 foot long bulkhead underneath an existing ticketing facility to replace a deteriorating existing wall in Key West Florida. The improvements include steel sheet pile bulkhead, demolition plans, wood deck replacement and 54 inch diameter outfall extension. Project consulting services consist of the preparation of the construction documents.

Bayport Cruise Terminal Complex – Phase 1 — Cruise Terminal - Port of Houston Authority, Houston, TX – Project Manager and Structural Engineer. Responsible for the coordination, management and overall planning for the Port of Houston Authorities Bayport Cruise Terminal Complex Phase 1 Terminal. Project Teams responsibilities included creation of a new to 8 acre parking area, design of a 100,000 SF cruise terminal, design of a 1000 lineal foot wharf, utility design, roadway design, security infrastructure design, fill management plans, construction document development, specifications and bidding services. In addition to Project Management role, will serve as Structural Engineer of Record on the project for the building with the responsible for the structural analysis and design of the Bayport Cruise Terminal. Construction types included steel framing, concrete framing and precast panel wall system.

Crown Bay Cruise Ship Pier Expansion and Multi-Use Commercial Center, St. Thomas, U.S. Virgin Islands — Project Manager and Structural Engineer. Responsible for the coordination and management of this 12 acre cruise ship destination. This design build project (in which his employer teamed with Contractor American Bridge) required the design of new marine facilities including a 1000 foot pier expansion, modification to mooring dolphins dredging and revetment relocation. In addition, this project consisted of the design of adjacent site improvements and eight buildings totaling 60,000 SF. Buildings were of tilt-up wall construction and timber roof framing in a hurricane zone and a seismic Zone 4. In addition to his project management responsibilities, Mr. Long was also responsible for the structural design and layout of all buildings.



Marisa-Ann Gedeon, P.E.

Emergency Power

Relevant Experience

Rybovich Marina Redevelopment, West Palm Beach, FL — Structural engineer for this project that involved the redevelopment of an existing 11.4-acre boatyard and marina. The project's purpose was to consolidate boatyard operations onto one half of the site, facilitating the redevelopment of the other half as residential town homes, two 16-floor residential towers, and a parking garage. Services included development of a functional site plan for the reconfigured boatyard operations, demolition plans for existing buildings and infrastructure, stormwater management design and permitting, boatyard and building utilities design, entrance road and parking lot design, marina permitting, helipad design and permitting, site plan approval, and environmental assessment and remediation.

US 441 (SR 7) Prospect Road "Breeze" Bus Queue Jumper, Fort Lauderdale, FL — Project engineer on the Kimley-Horn team that provided planning and design services for two transit signal priority (TSP) projects in Broward County. Kimley-Horn's services began with a data collection task, including an investigation of field equipment and identifying intersection upgrades (modified signal display, updated signage, etc.). We prepared a simulation to demonstrate the ability of the queue jumper function to work within the arterial progression of the US 441 (SR 7) corridor. We also prepared system functional requirements for the queue jumper function. In addition, Kimley-Horn prepared the signal design plan set for this queue jumper demonstration project.

City of Fort Lauderdale Executive Airport (FXE) General Engineering Consultant, Fort Lauderdale, FL — Staff engineering analyst for rehabilitation of Taxiway Bravo. Project included mill and overlay of Taxiway Bravo, and relocation and expansion of Taxiway Bravo connectors. Provided structural design of security poles and gates on airport perimeter.

Antonio (Nery) Juarbe Pol Airport (ABO) Rehabilitation of Runway 8-26, Arecibo, Puerto Rico — Project engineer for the rehabilitation of Runway 8-26 via mill and overlay of 6,250 tons of bituminous asphalt. Runway 8-26, ABO's only runway, is 3,963 ft x 60 ft. The scope of work included analysis of the runway's existing pavement to determine milling depths and capacity, design of a typical section to accommodate the airport's existing fleet mix, and design of an asphalt interlayer to bridge existing cracks which could not be milled out and prevent them from reflecting through the new asphalt. Responsible for asphalt (P-401) pavement design, grading, cross sections, profile, afield marking, project phasing, opinion of cost, development of technical specifications, and engineer's report. The scope also included the development of an Airports Geographic Information System (Airports GIS) for ABO. This work included collecting airport, survey, aerial, aeronautical and obstruction data to create an Airport GIS system and electronic airport layout plan. Led construction phase services which included: reviewing contractor's work for conformance with the contract documents, reviewing and responding to requests for information, amending contract documents, and reviewing material test results.

The Bristol Seawall Design, Intracoastal Bulkhead, and Construction Phase Services, West Palm Beach, FL — Project engineer. Kimley-Horn served as part of the development team for this 22-story luxury condominium fronting the Intracoastal Waterway just south of the Flagler Bridge in West Palm Beach. Our responsibilities have included providing civil design and analysis, which involved extensive coordination with the project architect and

PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, University of Florida, 2006

Associate of Science, Civil Engineering, Palm Beach Community College, 2003

Professional Engineer in Florida, #73995, January 12, 2012

American Society of Civil Engineers (ASCE)

Florida Engineering Society

Society of Women Engineers (SWE)

SPECIAL QUALIFICATIONS

Has 15 years of experience serving as a staff engineering analyst providing planning, design, and zoning services for various aviation and civil projects

Responsible for performing structural calculations on a number of aviation and civil projects

Assists with airport design services, including pavement evaluations, pavement grading, pavement condition surveys and reports, phasing, drainage design, data collection and organization, engineer's reports, construction phase services, cost estimates, technical specifications, and permitting

Participated in the Florida Department of Transportation Aviation Office Airfield Pavement Inspection Training Course through the FDOT Statewide Airfield Pavement Management Program (certification obtained)

landscape architect. As the project moves to the construction stage, this high-end residential project will be an iconic addition to the West Palm Beach waterfront and skyline.

Brickell Key One Property Structural Assessment and Repair Work, Miami, FL — The project includes an assessment of building structural elements including exterior façade, roof, parking garage and interior structures. Includes structural design, construction drawings, and product specifications, and providing construction phase services during that upcoming phase. Subsequent to a prior property condition assessment of exterior façade and concrete elements of the building, Kimley-Horn was engaged to develop repair plans and specifications for deteriorating buildings and facilities at the site. Brickell Key One is a 20-story oceanfront condominium built in the 1970s.

Countess De Hoernle Park Value Engineering (VE) Services, Boca Raton, FL — Project analyst. The Greater Boca Raton Beach and Park District selected Kimley-Horn and their professional estimator subconsultant to perform an independent cost evaluation of the project being designed by the City's consultant and to perform a VE analysis of the design performed to date. The VE study was based on the review of the 60 percent plans and specifications for the proposed eight athletic fields and a two-building complex facility. The VE study identified that the project, as currently designed, was several million dollars over budget and that proposed VE alternatives totaled savings of up to \$6 million (with changes ranging from site drainage to building consolidation) that would provide the needed facilities at a cost that meets the available budget. The project was redesigned to include many of the recommended changes.

Fort Lauderdale Executive Airport (FXE) Taxiway Charlie and Delta Rehabilitation, Fort Lauderdale, FL — Project analyst. Taxiways Charlie, Delta and their connectors were showing severe signs of longitudinal and transverse cracking, depressions, and weathering. Kimley-Horn was retained to provide design services for the rehabilitation of 1,985 linear feet of Taxiway Charlie and 1,620 linear feet of Taxiway Delta. The project consisted of milling and overlaying existing bituminous pavements, grade correction, striping, and replacing all edge lighting with LED lights. Careful construction phasing was also required as access to fixed base operator ramps and the Customs ramp needed to be maintained during daylight hours.

Airport Pavement Management System for Tallahassee Regional Airport, Tallahassee, FL — Project analyst. Kimley-Horn prepared a pavement management system for all airport-maintained airside and landside pavements at TLH. The project included a field review of the pavements to determine the pavement condition index for each segment and development of a pavement management program based upon pavement condition and preferred maintenance procedures for the Airport. The system will be used in development of a Capital Improvement Program (CIP), projecting the need and budget costs for rehabilitation in future years. It is positioned as a pavement management tool, updated periodically for changes in condition due to rehabilitation and maintenance completion and pavement aging.

Naples Municipal Airport (APF) Runway 5-23 Threshold Improvements, Naples, FL — Project analyst. Kimley-Horn provided design and construction-phase services for the Naples Municipal Airport Runway 5-23 Threshold Improvements project. This project included improving the existing 290-foot threshold displacement on the Runway 5 end by 510 feet and creating an 800-foot displaced threshold on the Runway 23 end of the runway. Additional work included 50-foot-wide extensions of Taxiway A and Taxiway D to provide access to the improved displaced thresholds. Specific elements associated with threshold improvements project included: clearing, grubbing, and earthwork; new bituminous asphalt pavement construction; runway grooving; pavement markings; drainage improvements including the creation of new on-site stormwater areas and the installation of culverts; erosion control; and installation of runway lighting and signage for the displaced thresholds and taxiways. Kimley-Horn's design services included preparing construction plans and specifications for the design of the threshold improvements and associated work, revisions to the Airport Layout Plan, and an environmental assessment (EA). The EA resulted in the issuance of a Finding of No Significant Impact (FONSI) and allowed the development to proceed with minimal mitigation efforts.

Altamonte Springs Gateway Drive Extension Final Design, Altamonte Springs, FL — Project analyst/engineer on the Kimley-Horn team that provided design, permitting, bidding support, and construction phase services for the Gateway Drive Extension project. This project involved the new construction of approximately one mile of four-lane, divided urban roadway from east of Forest City Road to Keller Road. It also included construction of a new two-lane, urban roadway and widening for auxiliary lanes along Maitland Boulevard and Keller Road. The disciplines involved in this project included roadway, drainage, floodplain, utilities, traffic control, signing/pavement marking, signalization, structural, landscaping, permitting and right-of-way-mapping. This project was permitted through Seminole County, SJRWMD, USACE, FDEP, FEMA, FDOT, and the City of Maitland.



Chelsea Marajh, P.E.

Seawalls

Relevant Experience

City of Pompano Beach, Atlantic Boulevard Bascule Bridge Improvements including Decorative Sails and Lighting, Pompano Beach, FL — Project analyst. Kimley-Horn served the City of Pompano Beach with CSA Architects and Burkhardt Construction to incorporate safety and aesthetic improvements to this 400-foot bascule bridge over the Intracoastal Waterway. Kimley-Horn designed a replacement traffic railing to improve safety and aesthetics, as well as an under-bridge walkway to improve pedestrian access to the water. The project involved the design and construction of enhancements to the bridge façade, tender house, traffic railings, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on bridge façades, land-based lighting, and a pedestrian esplanade under the bridge connecting restaurants and buildings from the south to the north. The design-build team was responsible for complete design, permitting, and coordination with FDOT. Kimley-Horn obtained all permits for the project through coordination with FDOT, USACE, USCG, FDEP, the City, and SFWMD. The project created a signature gateway within the City's Beach district.

Berth 1 Bulkhead Replacement, Port of Palm Beach, Riviera Beach, FL — Structural Analyst. Kimley-Horn is responsible for the analysis, design, and construction document development for upland paving with a bulkhead replacement to -35 ft. dredge depth. Responsibilities also included development of a fast-track construction phasing and sequencing. The slip uses a steel sheet pile wall with a drilled soil anchor tie back system and a concrete cap. At 450 ft. long, this replacement project is a major addition to solve the Port's berthing long-term needs.

Mercy Hospital Seawall and Loading Dock Replacement, Miami, FL — Structural analyst. This project includes strengthening of 2,000 feet of seawall along the perimeter of Mercy Hospital's property in Miami. The construction tasks for this project include steel sheetpile installation, tie rod installation between existing wall and new wall, concrete cap placement, backfill, and site grading. This project also includes the construction of a new landing dock for rescue vessels adjacent to the seawall. Kimley-Horn provided design, planning, bidding, permitting, and construction phase services for this \$4-million project.

Miami Beach Convention Center, Miami Beach, FL — Structural engineer. This project involves the expansion and renovation of the existing convention center as well as the redevelopment of surrounding areas into active parks to create a Convention Center District. This multidisciplinary project includes streetscape; the redesign of Convention Center Drive, 19th Street, and 18th Street; and the realignment of all underground utilities, including large storm culverts, water mains, sewer mains, force mains, and dry utilities. Other civil services associated with the project include improvements and modifications to three signalized intersections; coastal engineering, including the design of the Collins Canal edge stabilization and a secondary floodwall; and environmental engineering, including the preparation of a soil management plan for earthwork management during construction.

Lift Station 13 Rehabilitation, West Palm Beach, FL — Structural analyst. Kimley-Horn was retained by the City of West Palm Beach for the addition of a new electrical room and associated improvements at this lift station in West Palm Beach. Our team designed a new electrical room and placed the new electrical components of the building at an increased

PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, University of Florida, 2012

Professional Engineer in Florida, #84300, December 16, 2017

American Institute of Steel Construction

SPECIAL QUALIFICATIONS

Has seven years of civil and structural engineering experience

Software experience includes AutoCAD, Mathcad, TEDDS, STAAD, RISA 3D, and Shoring Suite

elevation to avoid future flooding problems. An evaluation of the existing pumps was also performed to determine if the station can be converted from a triplex to a duplex station once the City begins to bypass flow from Lift Station 5. Kimley-Horn's services included the design of the bypass piping, new landscaping, a new bridge crane, and an overhead door to aid in operations and maintenance, as well as the design of submersible actuators in the dry pit.

Fisher Island Ferry Terminal, Miami, FL — Structural analyst. Kimley-Horn was retained by Fisher Island Community Association for the proposed development of a parking garage and improvements to the existing ferry terminal vehicle loading/unloading area. Kimley-Horn developed various alternatives for the ferry terminal vehicle loading area aimed at facilitating the egress of the vehicle from the loading area and their access to MacArthur Causeway. As part of the design process, the Florida Department of Transportation and Kimley-Horn worked closely to evaluate each option working towards a full construction set of plans inclusive of driveway modification plans, drainage plans, and a traffic signal modification plan. The selected option involved realignment of the egress road, which also triggered a modification to an existing seawall and required permitting. The development of the parking garage was on an adjacent parcel. The development of the site involved the design of access roads to the parking for ingress and egress, site drainage and water/sewer services for the garage which was programmed to have small office space for rental purposes. The design of the access drives was closely coordinated with a second existing ferry to allow the connection of the access drive to the ferry loading area.

Madeleine Villas on Crespi Boulevard for City of Miami Beach, Miami Beach, FL — Structural engineer. Kimley-Horn performed an inspection of an existing seawall along the Tatum Waterway for the City owned apartment complex. As a result of the inspection, Kimley-Horn recommended the replacement of the wall. The project consists of replacing approximately 100 feet of seawall with a new concrete wall. The new design includes raising the top of wall to comply with the City of Miami Beach's new standards. Kimley-Horn is providing inspection, design, permitting, and construction phase services.

St. Petersburg Pier Approach Design, St. Petersburg, FL — Structural engineer. Kimley-Horn is currently providing professional services for the St. Petersburg Pier Approach project. This project consists of the redevelopment of the area between the new proposed Pier and the Downtown Core of Beach Drive. Professional services being provided include site civil engineering, stormwater design and permitting, utility design and permitting, transportation engineering, landscape architecture, parking study, structural engineering, and environmental services.

The Bristol Seawall Design, Intracoastal Bulkhead, and Construction Phase Services, West Palm Beach, FL — Structural analyst for the replacement of 750 linear feet of seawall along the intercostal of West Palm Beach. The site is being developed as a 22-story condominium complex. Providing construction phase services for the installation of the new seawall.

Intracoastal Seawall Design and Construction for Ourisman Residence, B&A Design Builders, Palm Beach County, FL — Structural analyst. The project consisted of performing a condition assessment that confirmed the need to reconstruct an existing residential seawall located along the Intracoastal Waterway in the Town of Palm Beach. The existing wall was more than 50 years old and approximately 70 feet in length. The new wall raised the wall height to meet Town standards for bulkhead flood elevation criteria and was built one foot waterward of the existing wall alignment. Kimley-Horn provided design, permitting, and construction phase services for this project.

E-4 Canal Aerial Watermain, City of Lake Worth, FL — Structural engineer. Kimley-Horn is currently providing professional services for the City of Lake Worth to install a new aerial water main crossing. The project consists of the installation of a pile supported pipe crossing adjacent to the existing bridge to support the proposed watermain. Professional services being provided include site civil engineering, structural engineering, and construction phase services.

North Ocean Boulevard Seawall Replacement, Palm Beach, FL — Structural analyst for the design of the replacement seawall for the Town of Palm Beach along North Ocean Boulevard. Responsible for review and interpretation of Coastal Loading Reports, Geotechnical Reports, and existing record drawings. Created construction drawings based on the structural design and reviewed shop drawings from the contractor. When complete, the project will upgrade the corridor along the beach including approximately 1600 linear feet of seawall replacement, drainage, and pavement.



Allyson Goolabsingh, P.E.

Building Structures

Relevant Experience

The following projects were completed by Ally prior to joining Kimley-Horn

Jade Signature, Sunny Isles, FL — 59-story luxury residences with 3 levels of underground parking on Sunny Isles Beach. Responsible for the design of gravity system including PT slabs, columns, and beams. Responsible for managing construction administration.

River Landing, Miami, FL — 2.2-million-square-foot project with two, 24-story towers above a podium and over 460,000 square feet of big box retail and office space. Responsible for the design of gravity and lateral elements of the retail portion including steel columns, concrete shear walls and steel braced frames, composite slab on metal deck with composite steel beams, hydrostatic slabs within the basement, and pile caps with ACIP piles. Responsible for managing construction administration.

Tenant Buildout Experience: River Landing, Miami, FL — Prior to joining Kimley-Horn, Ally provided construction administration services for a 2.2 million-square-foot project with two 24-story towers above a podium and more than 460,000 square feet of big box retail and office space. Ally was responsible for the design and coordination for new retail and restaurant tenant buildouts. The design included new structural framing to achieve architectural intent (i.e. mezzanines, stairs, etc.); structural framing for hanging and ground/roof mounted mechanical equipment; storefront, window, and nana wall supports; infill slabs on grade and elevated slabs. Ally was also responsible for coordinating tenant buildouts designed by others. She aided in locating mechanical equipment, slab openings, and wall openings to meet client needs while also creating the least number of structural repairs or upgrades to the main building structure.

Paradise Plaza, Miami, FL — 260,000-square-foot luxury retail building in the Design District in Miami. Ally was responsible for the design of gravity and lateral elements including steel columns, concrete shear walls, composite slab on metal deck with composite steel beams, hydrostatic slab within the basement, and shallow foundations. Responsible for managing construction administration, Completion 2018.

Tenant Buildout Experience: Paradise Plaza, Miami, FL — Prior to joining Kimley-Horn, Ally provided construction administration services for a 260,000-square-foot luxury retail building in the Design District. Ally was responsible for the design and coordination for a new luxury retail two story tenant buildout. The design included new framing for unique interior stair, skylight, interior elevator, and storefront supports. The design also required checking existing structure for two new large openings in the main shear wall and coordinating the opening location and dimensions to create the least number of structural upgrades. Responsible for designing and detailing structural upgrades where required. Also responsible for coordinating other luxury retail and restaurant tenant buildouts designed by others. Ally aided in locating mechanical equipment, slab openings, and wall openings in order to meet client needs while also creating the least number of structural repairs or upgrades to the main building structure.

PROFESSIONAL CREDENTIALS

Master of Science, Civil Engineering,
University of Miami, 2013

Bachelor of Science, Civil
Engineering, University of Miami,
2012

Professional Engineer in Florida,
#82392, January 11, 2017

Florida Structural Engineers
Association

SPECIAL QUALIFICATIONS

Ally has nine years of project experience, serving as structural engineer and project manager on a wide variety of public- and private-sector jobs

Software experience includes CSI ETABS, CSI SAFE, RAM Concept, RAM Structural System, RAM Elements, Tekla TEDDS, EnerCalc, SPColumn, Revit, and AutoCAD

Allyson Goolabsingh, P.E.

Page 2

Maridence, Nassau, Bahamas — Eight-story luxury hotel with ground level retail in the Bahamas. Responsible for design of the gravity and lateral elements including CIP columns and shear walls, PT concrete slabs, and shallow foundations.

Aloft Miami Aventura, Aventura, FL — 12-story hotel with elevated pool deck. Responsible for design of the gravity and lateral elements including consisting of CIP columns and shear walls, PT concrete slabs, and pile caps with ACIP piles. Responsible for managing construction administration. Completion 2018

Florida Hospital Wauchula, FL — Three-story hospital expansion. Responsible for the design of gravity and lateral elements including concrete tilt wall connections and foundations, composite slab on metal deck with composite steel beams, and shallow foundations. Responsible for managing construction administration.

Flagler Banyan Square, West Palm Beach, FL — 30,000-square-foot waterfront office and retail project. Responsible for the design of the gravity and lateral elements including steel columns, composite slab on metal deck with composite steel beams, concrete shear walls, and shallow foundations. Responsible for designing the structural components for the exterior promenade including stairs, retaining walls, large scale sculpture supports. Responsible for managing construction administration.

Tenant Buildout Experience: Flagler Banyan Square, West Palm Beach, FL — Prior to joining Kimley-Horn, Ally provided construction administration services and field observation reports for 30,000 square feet of waterfront retail and office space. Ally was responsible for design and coordination of the 10,000 square feet ground floor restaurant tenant buildout which included new supports for a nana wall system, new exterior wall openings, canopy support and foundation, PCU hanging support, and exterior fireplace.

Puerto Rico Chamber of Commerce, Miami, FL — Three-story, 36,000-square-foot office building with ground floor retail. Completion 2021. Responsible for the design of the gravity and lateral elements including concrete columns, shear walls, shallow foundations, and post-tensioned concrete slabs.



YVES "STAN" DELMAS, PE

GEOTECHNICAL ENGINEER | PROJECT MANAGER

EDUCATION:

Florida Atlantic Univ.
Bachelor of Science
Civil Engineering
2010

REGISTRATIONS:

State of Florida
PE #80352

EXPERIENCE: 8 YRS.

YRS AT H2R: 2

CERTIFICATIONS:

TIN D45297785

PAPERS WRITTEN:

D. Rancman, T. Nguyen, D. Hart, Y.S. Delmas. "Pile Group Effects and Soil Dilatancy at the Fort Lauderdale International Airport, Proceedings of the 2018 International Foundations Congress and Equipment Exposition (FCEE), Orlando, FL

Stan is responsible for the geotechnical design of civil projects, and the coordination of construction-phase services and inspections for a variety of projects. Stan's design and knowledge of both geotechnical and conventional testing field services result in a skill set that combines his knowledge of design intent and the importance of collecting quality field data. He is experienced in geotechnical construction projects where mix designs, and in-situ testing is critical to the project's success. In addition, he has significant laboratory experience.

TAMPA INTERNATIONAL CURBSIDE AIRPORT EXPANSION, HILLBOROUGH COUNTY, FL

Geotechnical engineering for the Tampa International Airport Curbside Expansion Program which includes the replacement and expansion of the curbsides, new approach and exit bridges, new elevated and at-grade lanes, a new Central Utility Plant, and new vertical circulation buildings. The vertical circulation buildings will accommodate express passenger drop off/pick up and include conditioned lobbies to provide a means for passengers to access the main terminal via elevators and escalators from the new lanes. Responsible for all aspect of the geotechnical exploration programs and geotechnical analyses for different foundation systems, including driven piles and non-redundant drilled shafts.

TAMIAMI TRAIL 2.6-MILE BRIDGE, FL, MIAMI – DADE COUNTY, FL / FDOT D6

As part of the Comprehensive Everglades Restoration Plan (CERP), The Florida Department of Transportation and the National Park Service replaced a portion of the Tamiami Trail Road/U.S. Highway 41 with a new 2.6 mile-long bridge. H2R Corp is responsible to provide geotechnical support to the Construction, Engineering and Inspection team. Responsibilities include oversight of the team performing dynamic pile testing, and review of all geotechnical documents submitted by the design-build team to identify discrepancies and to ensure that the foundations are constructed according to the design plans and the Florida Department of Transportation's specifications.

DISTRICTWIDE GEOTECHNICAL AND MATERIALS TESTING PROJECTS - NASSAU, DUVAL & CLAY COUNTIES, FL / FDOT D2

Laboratory Technician for this districtwide contract that includes soil exploration, geotechnical exploration testing, highway materials testing, construction materials testing, and foundation studies.

I-75 WIDENING PROJECTS - HILLSBOROUGH & PASCO COUNTIES, FL, FDOT D7.

As part of geotechnical engineering and PDA services portion of the I-75 widening project, served as geotechnical engineering services for the CEI. In addition, provided dynamic pile testing services for the corridor which had fourteen bridges. The dynamic pile testing portion implemented the Pile Driving Analyzer (PDA) and the Embedded Data Collector (EDC).

PORT OF MIAMI TUNNEL, MIAMI – DADE COUNTY, FL / FDOT D6

Field Inspector for a major construction project in Miami, Florida. The project is a 0.75-mile-long split portal automotive traffic tunnel connecting the MacArthur Causeway on Watson Island and the Port of Miami on Dodge Island, as well as road improvements around the port of Miami. Work on the project involved downhole camera and field permeability testing on the wall of the tunnel. The project also required unconfined strength on soil cement and a triaxial test on soil.

DYNAMIC PILE TESTING SERVICES, MIAMI – DADE COUNTY, FL / FDOT D6

Project Manager for this project that involved performing dynamic pile testing services for construction of the new express lanes on existing I-75 express lane bridge over the Homestead Extension of Florida's Turnpike. Responsible for monitoring the project at appropriate intervals based on the contractor's schedule. Our firm is responsible for monitoring the test piles and providing pile casting length and recommendations. We are developing the pile driving criteria based on subsequent analyses including WEAP/CAPWAP and PDIPLOT.

SR 826/SR 836 INTERCHANGE RECONSTRUCTION, MIAMI – DADE COUNTY, FL / FDOT D6

Field Inspector/Laboratory Technician responsible for construction engineering and inspection services related to foundation installation and testing efforts. This \$550 million design-build project includes the replacement or new construction of more than 40 bridges and several miles of limited-access highway construction, along with the associated ramps, embankments, mechanically stabilized earth (MSE) walls, and other miscellaneous structures. Responsibilities also include oversight of the team performing dynamic pile testing, cross-hole sonic logging, embedded data collector testing, and pile integrity testing on foundation elements.

S.R. 821 WIDENING FROM N. OF SW 72ND TO N. OF SW 40TH ST. - MIAMI – DADE COUNTY, FL / FDOT FLORIDA'S TURNPIKE ENTERPRISE

Geotechnical Engineer for this project in design, including 18-inch prestressed-concrete piles and micro-piles along with MSE and sound walls. Vibration and settlement have created issues with shallow foundation supported bridges and certain nearby structures. Improvements include the widening of Homestead Extension of Florida's Turnpike to three general purpose lanes and two express lanes in each direction; replacing the mainline toll facilities with new all-electronic toll; constructing a new northbound, two-lane exit ramp to Bird Road; removing an old bridge and constructing a new bridge; converting a two-lane frontage road with controlled access; and milling and resurfacing the highway. Project Manager for this design-build project during construction phase, providing dynamic pile testing services, cross-hole sonic logging, vibration monitoring, pile driving inspection, noisewall foundation inspection, and drilled shaft inspection for tolling, signage, and miscellaneous structures.

BRIDGES OF THE ISLES & SUNRISE KEY BRIDGE REPLACEMENTS DESIGN-BUILD - FORT LAUDERDALE, FL / FDOT D4

Geotechnical Engineer responsible for the design of four new bridges and one bridge replacement to provide connectivity between the urmi Isles finger islands, north of Las Olas Boulevard, with S.R. 842 on the mainland. Services included accelerated bridge design and construction in an environmentally sensitive area. The project also involved complex maintenance of traffic, temporary signalization, traffic control plans, extensive utility coordination, geotechnical design, public outreach, and coordination with multiple stakeholders. Also provided construction services oversight, including pile driving inspection, dynamic pile testing and vibration monitoring.



JORDAN NELSON, PE

PROJECT ENGINEER

EDUCATION:

University of Florida
Mechanical Engineering
Bachelor of Science 2011
Master of Engineering 2013

REGISTRATIONS / CERTIFICATIONS:

FL PE #85278
TX PE #132934
WV PE #23595
NI Certified LabVIEW
Developer

EXPERIENCE: 7 YRS

YRS AT H2R: Recent Hire

PROFESSIONAL AFFILIATIONS:

American Society of
Mechanical Engineers
American Concrete Institute
Florida Engineering Society

PUBLICATIONS:

Muchard, Michael K. Nelson,
Jordan D. "Determination of
Unknown Foundation
Lengths for Bridges Using
Parallel Seismic Testing".
ASCE Florida Section 2015.

Nelson, Jordan D. Ferraro,
Christopher C. Algernon,
Daniel. "The Application of
Nondestructive Evaluation
Techniques to Concrete with
Internal Flaws". Structural
Faults and Repair 2014.

Owing to a background in instrumentation, controls engineering, solid mechanics, and manufacturing, Jordan Nelson fills a unique role within geotechnical and construction engineering. He began his carrier in structural materials research for FDOT and moved into deep foundations quality assurance. He has extensive experience in static, bi-directional, and rapid foundation load testing as well as nondestructive integrity testing methods, geotechnical instrumentation, and environmental monitoring. His product development experience has allowed him to advance the art in these services and promote the industry at large.

I-4 ULTIMATE - ORLANDO, FL / SKANSKA-GRANITE-LANE JV / FDOT

Vibration Specialty Engineer and project manager for existing structure protection services. \$2.3B P3 project rebuilding 21 miles of Interstate 4 through metropolitan Orlando. Supported automated remote vibration monitoring equipment, performed structural surveys, and advised on vibration mitigation methods.

SELMON EXPRESSWAY WEST EXTENSION – TAMPA, FL / KIEWIT / TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

Project manager and senior engineer for load testing and internal foundation QC testing. 1.9-mile elevated tollway connecting Lee Roy Selmon Expressway to Gandy Bridge over Gandy Boulevard. Designed and performed four bi-directional load tests with novel modular test frame design. Performed static load test on ACIP foundation for segment walker towers. Oversaw crosshole sonic logging, thermal integrity profiling, and low strain integrity testing on over 150 ACIP and drilled shaft foundation elements.

DISTRICTWIDE UNKNOWN FOUNDATIONS AND SCOUR STUDY – FLORIDA DISTRICT 7 / TIERRA, INC / FDOT

Project engineer for unknown foundations testing. Evaluation of three bridges for scour and durability studies. Performed parallel seismic and low strain integrity and evaluated in situ pile elevations and overall foundation integrity.

COUNTYWIDE UNKNOWN FOUNDATIONS AND SCOUR STUDY – CITRUS COUNTY, FL / INTERTEK-PSI / FDOT

Project manager and specialty engineer for unknown foundations testing. Evaluation of three historical bridges for scour and durability studies. Performed parallel seismic testing using a unique over water approach in close coordination with prime contractor. Evaluated in situ pile elevations to support scour and durability study.

TAMPA INTERNATIONAL AIRPORT AUTOMATED PEOPLE MOVER AND RELATED BUILDINGS – TAMPA, FL / CASE ATLANTIC COMPANY / MALCOLM DRILLING CO / HILLSBOROUGH COUNTY AVIATION AUTHORITY

Project manager and senior test engineer for foundation load tests and integrity testing. Expansion of TPA facilities including automated people mover, consolidated rental car center, expanded taxiway, and APM-served commercial space. Performed three bi-directional load tests on the people mover footprint and one in support of commercial building construction. Performed crosshole sonic logging and low strain integrity tests on deep foundation elements

SEATTLE TACOMA INTERNATIONAL AIRPORT – INTERNATIONAL ARRIVALS FACILITY – SEATTLE, WA / MALCOLM DRILLING COMPANY / PORT OF SEATTLE

Project engineer for foundation load test. Construction of iconic new facility for international arrivals including a 900-foot long, 85-foot high ped bridge over an existing taxi lane. Designed modular load test assembly and oversaw offsite fabrication. Assisted with installation and performed 12,000 kip load test on an expendable test shaft.

US-181 HARBOR BRIDGE – CORPUS CHRISTI, TX / FLATIRON-DRAGADOS JV / PORT OF CORPUS CHRISTI

Senior project engineer for foundation load test program. Replacement of existing steel truss bridge with what will be the longest cable stay bridge in the US as part of six miles of highway replacement. Performed thermal integrity profiling and bi-directional load testing for each pylon foundation with loads up to 15,000 kips.

HONOLULU LIGHT RAIL – HONOLULU, HI / KIEWIT / SHIMMICK TRAYLOR GRANITE JV / HONOLULU AUTHORITY FOR RAPID TRANSIT

Project engineer for bi-directional load testing, integrity testing, and bottom cleanliness testing. 20-mile elevated light railway serving Honolulu and surrounding areas. Designed and performed bi-directional load tests for guideway and stations. Performed bottom cleanliness (Mini-SID) inspections and crosshole sonic logging tests for non-redundant drilled shafts.

WELLSBURG BRIDGE – WELLSBURG, WV TO BRILLIANT, OH / BRAYMAN / FLATIRON / WV DOT

Project manager for drilled shaft load testing, quality control, and integrity testing. Unique tied-arch bridge design spanning the Ohio river to form a new crossing. Designed and oversaw construction of bi-directional load testing assemblies. Oversaw crosshole sonic logging of large diameter drilled shaft foundation elements. Modified and oversaw use of portable mechanical caliper for drilled shaft dimension and verticality testing.

EXPERTISE:

- product and intellectual property development
- mechanical systems design
- solid modeling and simulation
- complex project management
- construction safety
- non-destructive testing (NDT)
- deep foundations testing and quality control
- vibration monitoring and protection of existing structures
- thermal integrity profiling (TIP)
- low strain integrity testing (PIT)
- parallel seismic testing (PST)
- structural concrete NDT
- ground penetrating radar (GPR)
- sonic NDT methods
- data acquisition systems design
- software development
- electronics design and fabrication



THAI NGUYEN, PhD, PE

CHIEF GEOTECHNICAL ENGINEER



EDUCATION:

Ph.D., 2018
M.Sc., 2001
University of Florida
Gainesville, Florida, USA,

EXPERIENCE: 24 YRS

YRS AT H2R: 5

REGISTRATIONS:

Florida P.E. No. 66551, 2007
Master PDA CAPWAP
proficiency, 2012, 2014
SmartPile EDC User No.
020FL0046-13, 2011

PUBLICATIONS:

“Strength Envelopes of Florida Carbonate Rocks near Ground Surface.” *Author, ASCE Journal of Geotechnical and GE, 2019.*

“Case Studies of Rebounds on Long, Slender Piles.” *Author, ASTM StressWave, 2018*

“Case Studies - Driving Concrete Piles in Florida Pinnacle Limestone.” *Author, ASTM StressWave, 2018*

“Evaluation of Existing Deep Foundation Performance Using the FDOT Database to Improve Current Design Methodologies.” *Contributor, FDOT 2005.*

“National Cooperative Highway Research Program Report 507: Load and Resistance Factor Design (LRFD) for Deep Foundations.” *Contributor, TRB, 2004.*

4 other ASCE, ARMA, and Rock Mechanics publications, 2018

Thai Nguyen has extensive knowledge in geotechnical engineering, specifically involving foundation systems for tunnels, bridges, buildings, dams, and other structures. Mr. Nguyen’s technical experience includes: Design of Foundation Systems: spread footings, driven piles, auger cast piles, drilled shafts, etc.; Foundation Testing, Geotechnical Instrumentation and QA/QC during the installation of auger cast-displacement piles, drilled shafts, driven piles, and tie-down anchors; Engineering Data Management; Soil Structure Interaction; Earth Retaining Structures; Slope Stabilities; Construction Methodologies; Ground Improvement Techniques; Vibration Monitoring Programs; Condition Surveys; Forensic Engineering.

FDOT DISTRICT 7 DISTRICTWIDE CONTRACT

Project Manager 2020-current. Manage districtwide contract works involving asphalt plant, pavement coring, verification testing, and all geotechnical services.

TAMPA INTERNATIONAL AIRPORT EXPANSION

Senior Engineer 2019-2020. Review of geotechnical exploration reports and geotechnical analyses for different foundation systems, including driven piles and non-redundant drilled shafts.

C-44 RESERVOIR/STA PROJECT CONTRACT NO. 2 – GEOTECHNICAL AND CONSTRUCTION SERVICES, MARTIN COUNTY, FL, USACE, JACKSONVILLE DISTRICT.

Senior Geotechnical Engineer 2016-2020. Key in the development of value engineering of the toe trench drain construction. Developed techniques, methodologies, and software with primary emphasis on CPT correlations to Soil Dry Density and relative compaction results. In addition, author of custom data management software to capture more than one thousand CPT soundings and ten thousand data sets of density tests, laboratory (Proctor and index) tests for Barnard Construction.

NORRIS CUT TUNNEL, FORCE MAIN MATERIALS TESTING, MIAMI, FL, MIAMI-DADE COUNTY, WATER AND SEWER DEPARTMENT

Senior Geotechnical Engineer for soil mix design and deep soil mixing execution, which is required to construct the tunnel boring machine exit pit at Fisher Island. Tasks for this phase of work includes specialty geotechnical engineering and field services including soil-cement coring, laboratory testing, and other services including construction quality control, Robertson camera, and in-situ permeability testing.

HEFT ALL-ELECTRONIC TOLL COLLECTION PHASE 3 DESIGN-BUILD, MIAMI-DADE COUNTY, FL, FDOT FLORIDA'S TURNPIKE ENTERPRISE

Review Engineer for project that involved the conversion of the mainline and ramp toll plazas on the northern Homestead Extension of Florida's Turnpike (HEFT) to an all-electronic toll facility, including the conversion of tolls to SunPass/E-Pass. Review PDA data on urgent requests, review of geotechnical analyses for drilled shaft design, review CSL tests, Embankment slope stability analyses.

DUKE ENERGY, VARIOUS STATES, USA

Dan River FlyAsh Pond, NC - Assistant Project Manager. Responsible for site liquefaction analyses.

Anclote Power Plant, FL (used to be Progress Energy), Holcim Site, FL and Crystal River Combined Cycle Project, FL - Assistant Project Manager. Responsible for site characterization program, data analyses, geotechnical recommendations.

PHOSPHATE MINES, VARIOUS STATES, USA

Monsanto Blackfoot Bridge Project, Boise, ID

Conda Phosphate Operations, Boise, ID

Project Engineer. Responsible for portions of seepage and slope stability analyses and construction support of phosphate mines.

I-75 WIDENING PROJECTS, HILLSBORO AND PASCO COUNTIES, FL, FDOT D7

Review Engineer for geotechnical engineering and PDA services portion of the I-75 widening project. Responsible for reviewing PDA data. In addition, provided dynamic pile testing services for the corridor which had fourteen bridges. The dynamic pile testing portion implemented the Pile Driving Analyzer (PDA) and the Embedded Data Collector (EDC).

WEIKIVIA, SR429, A² GROUP, INC. CENTRAL FLORIDA EXPRESSWAY AUTHORITY Senior Engineer responsible for reviewing PDA data.

NORFOLK SOUTHERN DRILLED PIERS, MECKLENBURG COUNTY, NC

Senior Engineer responsible for reviewing CSL and PDA testing program for Blue Line Light Rail from Uptown Charlotte to the University of North Carolina.

BIRD FHOSP ISBL, CANADA

Senior Engineer responsible for reviewing PDA testing program for a project in the oil sand region.

FLORIDA TURNPIKE VETERANS EXPRESSWAY WIDENING, HILLSBOROUGH COUNTY, FL

Project Engineer/Manager responsible for PDA testing and Vibration Monitoring on SR-589 over Hillsborough Ave, Johns Road, Channel G, Barry Road, and Henry St Ditch.

LAKE OKEECHOBEE PUMP STATIONS TRASH RAKES, MARTIN AND OKEECHOBEE COUNTIES, FL

Project Engineer/Manager. Responsible for PDA testing, Production Pile Driving Criteria for Structures S129, S131, S133, and S135.

MOFFITT OUTPATIENT CENTER, HILLSBOROUGH COUNTY, FL

Project Manager. Responsible for PDA testing and overseeing PDA testing by others.

ALLNAMICS SMARTPILE SOFTWARE REVIEW, FDOT STATE MATERIAL OFFICE, FL

Project Manager. Responsible for a research project for FDOT State Material Office to review new software packages developed by Allnamics, Inc. and SmartStructures, Inc. for the Smartpile EDC driven pile testing and production pile driving criteria.

OVERLAND BRIDGE REPLACEMENT, JACKSONVILLE, FL

Project Engineer/ Assistant Project Manager. Responsible for reviewing Pile Installation Plan submittal from Contractor and performing PDA verification testing for the design-build project.

PILE DYNAMIC TESTING, I-75 WIDENING, ATKINS/FDOT, HILLSBOROUGH AND PASCO COUNTIES, FL

Project Manager. Responsible for hammer evaluation, PDA and EDC testing on 80 test piles, and development of production pile length and driving criteria recommendations.



DAVE RANCMAN, PE

CEO, SENIOR GEOTECHNICAL ENGINEER | PROJECT MANAGER

Bachelor of Science
Civil Engineering
Case Western Univ. 2002

REGISTRATIONS:

FL PE #70413
PA PE #PE076115

EXPERIENCE: 14 YRS

YRS AT H2R: 2

PROFESSIONAL AFFILIATIONS:

Deep Foundations Institute
American Society of Civil Engineers
American Concrete Institute

PUBLICATIONS:

Rausche, F., L. Liang, R. Allin, & D. Rancman. "Applications and Correlations of the Wave Equation Analysis Program GRLWEAP." Proceedings of the Seventh International Conference on the Application of Stresswave Theory to Piles 2004, Petaling Jaya, Selangor, Malaysia, August 9, 2004.

D. Rancman, T. Nguyen, D. Hart, Y.S. Delmas. "Pile Group Effects and Soil Dilatancy at the Fort Lauderdale International Airport, Proceedings of the 2018 International Foundations Congress and Equipment Exposition (FCEE), Orlando, FL

T. Nguyen, D. Hart, & D. Rancman.
"Case Studies – Driving Concrete Piles in Florida Pinnacle Limestone"

Dave Rancman began his career working on foundation projects across the United States and Caribbean. Through a variety of research projects, he developed unique foundation quality assurance testing equipment and methods that have now become industry standard. With a diverse portfolio, Dave works with clients across a variety of market sectors. He has successfully implemented innovative practices to efficiently manage company assets, including web-based preventative maintenance applications for complex assets, and internally developed staff and equipment management tools. Dave has also developed quality relationships with public entities such as FDOT, in addition to engineering consultants, and contractors, who partner with H2R to provide quality services.

DYNAMIC PILE TESTING SERVICES, I-75 WIDENING PROJECT, SEGMENTS AB, BROWARD COUNTY, FL, FDOT. [2015-present][60110]

Geotechnical Engineer providing dynamic pile testing services for several bridges which had sensitivities to hard and unpredictable surficial limestone. Wave equation analyses, recommended pile lengths, and pile driving criteria were provided. [P049]

I-75 WIDENING PROJECT, HILLSBOROUGH COUNTY, FL, FDOT. [2011-2013][54803]

As part of the geotechnical engineering and pile driving analysis services portion of the I-75 Widening Project, provided geotechnical engineering services for the construction engineering and inspection. In addition, provided dynamic pile testing services for the corridor, which had 14 bridges. The dynamic pile testing portion implemented the PDA and the Embedded Data Collector. [P045]

DISTRICTWIDE GEOTECHNICAL AND MATERIALS TESTING PROJECTS, I-295 AT HECKSCHER DRIVE INTERCHANGE, NEW BERLIN ACCESS, JACKSONVILLE, FL, FDOT D2. [2014][54376]

Senior Geotechnical Engineer responsible for oversight and performance of dynamic pile testing services through a districtwide geotechnical contract, and coordinating directly with the construction engineering and inspection in the issuance of pile length letters and pile driving criteria. [P043]

DISTRICTWIDE GEOTECHNICAL ENGINEERING AND MATERIALS TESTING, VARIOUS LOCATIONS, FL FDOT D1 [2010][51879]

Project Manager and Geotechnical Engineer for this districtwide, multiyear contract that involves subsurface investigation, laboratory testing, geotechnical recommendations, and design. The project has also included an emergency sinkhole investigation and the rapid development of remediation plans. [P037]

BRIDGES OF THE ISLES AND SUNRISE KEY BRIDGE REPLACEMENTS DESIGN-BUILD SERVICES CONTRACT, FORT LAUDERDALE, BROWARD COUNTY, FL, FDOT D4. [2013-present][57216]

Geotechnical Engineer responsible for this project to design four new bridges and one bridge replacement to provide connectivity between the Nurmi Isles finger islands, north of Las Olas Boulevard, with S.R. 842 on the mainland. This project incorporated accelerated bridge construction techniques through the use of precast superstructure and substructure elements. Services included accelerated bridge design and construction in an environmentally sensitive area with sea grass within the project site. The project also involved complex maintenance of traffic, temporary signalization, traffic control plans, extensive utility coordination, geotechnical design, public outreach, and coordination with multiple community and agency stakeholders. Also provided construction services oversight, including pile driving inspection, dynamic pile testing, and vibration monitoring. [P042]

GEOTECHNICAL SUPPORT CONSULTANT SERVICES, HILLSBOROUGH COUNTY, FL, FDOT D7. [2010][51878]

Project Manager and Geotechnical Engineer for this districtwide contract responsible for providing geotechnical investigation, analysis, and pavement evaluations and design, as well as design services in support of preliminary engineering and construction-related efforts. Data collection, including information from subsurface explorations, pavement coring, earthwork and concrete placement, as well as general quality control inspections were also integral to this project. [P038]

S.R. 821 WIDENING FROM NORTH OF SW 72ND STREET TO NORTH OF SW 40TH STREET, MIAMI-DADE COUNTY, FL, FDOT, FLORIDA'S TURNPIKE ENTERPRISE. [2014-2016][59271]

Senior Geotechnical Engineer for this project in design, including 18-inch prestressed-concrete piles and micropiles along with MSE and sound walls. Vibration and settlement have created issues with shallow foundation supported bridges and certain nearby structures. Improvements include the widening of Homestead Extension of Florida's Turnpike to three general purpose lanes and two express lanes in each direction; replacing the mainline toll facilities with new all-electronic toll; constructing a new northbound, two-lane exit ramp to Bird Road; removing an old bridge and constructing a new bridge; converting a two-lane frontage road with controlled access; and milling and resurfacing the highway. Project Manager for this design-build project during construction phase, providing dynamic pile testing services, cross-hole sonic logging, vibration monitoring, pile driving inspection, noisewall foundation inspection, and drilled shaft inspection for tolling, signage, and miscellaneous structures. [P047]

TURNPIKE SERVICE PLAZA IMPROVEMENTS, VARIOUS LOCATIONS, FL, FDOT, FLORIDA'S TURNPIKE ENTERPRISE. [2009-PRESENT][51233]

Geotechnical Engineer for the rehabilitation of eight service plazas located an average of 40 miles apart along the 300 miles of Florida's Turnpike. This design-build-finance project involves providing construction materials testing; performing geotechnical analyses; performing subsurface investigations; conducting laboratory tests; analyzing and designing foundations for convenience stores, restaurants, fueling area canopies, and fuel farms; developing pavement designs for car and truck parking facilities and access roads; and investigating stormwater retention facilities. Improvements include new service buildings, new convenience stores, asphalt and concrete parking areas, entry and exit ramps, gas stations, ponds, drainage, and other related facilities. [P036]

VOINOVICH PARK PEDESTRIAN BRIDGE, CLEVELAND, OH, OHIO DEPARTMENT OF TRANSPORTATION (ODOT).

Civil Engineer involved in ODOT's project development process (PDP) for the proposed pedestrian bridge from the Finger Pier to Voinovich Park in Cleveland's North Coast Harbor, adjacent to the Rock and Roll Hall of Fame. This included completing tasks in the minor PDP steps and being responsible for utility coordination for the project in its preliminary stages. [P029]



Oscar J. Cruz, P.E.
Senior Structural Engineer
Availability: 70%

PROFESSIONAL PROFILE

Years with Firm: 2



Mr. Oscar Cruz is a Senior Structural Engineer with 19 years of design and inspection experience including new bridges, replacement bridges and widenings for concrete and steel structures. Mr. Cruz experience also includes the preparation of construction documents for bridge rehabilitation projects, including crack injections, spall repairs, expansion joint replacements, and fender replacements. Additional structural design experience includes, retaining walls (MSE and CIP), critical sheet pile walls (Cantilever and Anchored) sound barrier walls, FDOT Tri-Chord sign structures (Cantilever, Butterfly and Span), ITS structures, mast arms, strain poles, light poles, box culverts, corrugated pipe culverts, misc. steel structures and traffic-railing retrofits as well as bridge load ratings. Post design experience includes responses to RFI's, Shop Drawing reviews as well as Construction Inspections including QA/QC. Oscar has prepared analysis reports for existing miscellaneous structures with and without planned additional loading following the requirements of the FDOT FDM Chapter 267 and the FDOT Structures Design Manual. Mr. Cruz Experience also includes vertical structures, including building design, inspections and renovations following the Florida Building Code.

Professional Registrations

Florida License # 63889 (2006)

Education

BS Civil Engineering, FIU, Dec. 2000

Professional Affiliations:

Florida Engineering Society 2016

Professional Qualifications:

Temporary Traffic Control (TTC) Advanced Level, FDOT, 2019. OpenBridge Designer (Bentley) FLUG Training Forum, 2019.

REPRESENTATIVE PROJECTS

Indian Creek Drive Retaining Walls; City of Miami Beach, FL – 06/2020 thru Present - Structural Engineer of Record in charge of the design and plans preparation of multiple retaining walls for this important improvement project along Indian Creek Drive, from 25th Street to 35th Street. Wall designs include Permanent Concrete Seawalls, Permanent Steel Sheet pile walls and temporary critical sheet pile walls designed to protect the roadway during the installation of multiple drainage structures required along the project. Walls required special consideration due to the extremely aggressive marine environment. Other tasks included the design of traffic railing mounted decorative light poles. **Contact:** Mr. Maher Maaliki, P.E., 305-720-5548.

Venetian Causeway Hurricane Irma Repairs, Miami-Dade County, FL - 04/2020-Present - Project Manager and Structural Engineer of Record in charge of the preparation of construction documents to address damages created by Hurricane Irma at the two bascule bridges of this important corridor. Scope includes fender and tender house repairs for bridge Nos. 874459 & 874474. **Contact:** Mr. Gabriel Delgado, P.E., 786-469-5371.

311 & 911 Support Area Renovation, Doral, Florida – 12/2019-Present, Miami-Dade County, FL - Structural Engineer of Record in charge of the structural plans and calculations for the construction of a two level 8,500 square foot area at the Lightspeed Facility in 11500 NW 25th Street, Miami-Dade County, Florida. The two-level structure will be built within an existing building and is designed to support mechanical equipment at the mezzanine level and to provide accommodations for the staff responding to 311 and 911 calls. The proposed supporting frame includes steel columns and beams supported on concrete foundations. The roof is supported by steel joists. Mr. Cruz also prepared the structural section of the project specifications manual. Based on the 2017 Florida Building Code.

G-72 Control Structure; BCC Engineering, 03/15/2019-Present - Structural Engineer in charge of calculations and plans for a South Florida Water Management District Control Structure within the C-7 canal in Miami-Dade County. Services include the design of a CIP concrete twin box culvert, anchored steel sheet pile walls, CIP wing walls and spilling well steel platforms. Responsibilities included the preparation of construction cost estimates and project specifications. **Contact:** Mr. Danny Raymat, P.E., 305-670-2350.

MacArthur Causeway East Bridge Repairs, LEAD Engineering Contractors, FL – 05/2019-06/2020 - Specialty Engineering Services, Structural EOR in charge of the development of an Engineering Analysis Report to document the presence of non-structural deck cracks and recommend repair solutions. The bridge was built in 1957. It is 2,155' long and has 34 prestressed concrete girder approach spans, 15 of them being 45' long and the remaining 19 being 65' long as well as 3 continuous steel girder main spans (70', 105', 70'). **Contact:** Mr. Fernando Sanchez, MSCE., 305-615-3272 Ext. 102

NW 136th Avenue and SR 84 Intersection Improvements; LEAD Engineering Contractors, FL – 05/19-06/2020 - Specialty Engineer in charge of the design and plans preparation of a temporary utility bracket to support an existing 12" sanitary sewer force main during bridge replacement activities. Utility bracket consisted of structural steel W shapes supported on the existing concrete intermediate bent caps. The utility support was designed to accommodate worse case Plans and calculations follow FDOT design criteria. **Contact:** Mr. Fernando Sanchez, MSCE., 305-615-3272 Ext. 102

Hard Rock Stadium Pedestrian Bridges and Tunnels; A&P Consulting Transportation Engineers, Inc.; FL - 01/2019-09/2019 Structural Engineer in charge of the verification of shop drawings and design calculations for 2 prefabricated truss bridges and 2



Oscar J. Cruz, P.E.
Senior Structural Engineer
Availability: 70%

precast concrete arch tunnels constructed at the Hard Rock Stadium in Miami Gardens, Florida. Design elements included steel design, steel sheet piling, MSE Wall control drawings, joints, bearing plates and waterproofing systems. Responsibilities also included assisting the CEI team with design structural related RFI's. **Contact:** Mr. Erik Sibila, P.E., CGC, MSCE. 305-283-9816

SR9/I-95 at Sunrise Blvd. Interchange Improvement; Broward County, FL - 01/2017-05/2019 - EOR for the widening of 3 existing multi span AASHTO beam bridges which connect at the second level intersection between Sunrise Blvd. and I-95. Scope includes superstructure adjustments to accommodate additional traffic lanes, pier mounted signal mast arms and overhead sign structures, MSE and temporary sheet pile wall designs as well as requirements for crossings over CSX. Mr. Cruz is responsible for reviewing the existing load rating calculations to determine the adequacy of the existing bridges to be widened as well as Load Ratings taking into account the bridge's proposed geometry. **Contact:** Mrs. Bing Wang, P.E., 954-777-4406.

Indian Creek Pump Station Outfall Structure Stability Analysis; David Mancini and Sons, Inc., FL – 04/2019-05/2019 - Specialty Engineer in charge of the structural evaluation of the "as-built" condition of the outfall structure constructed as part of the pump station project at Indian Creek Canal in Miami Beach, Florida (FPID No. 439228-1-32-01). Tasks included the evaluation of horizontal earth pressure, including live load surcharge and lateral water pressures **Contact:** Mr. Christopher Lazzari, 954 895-0741.

Professional Engineering Design Consulting Services Districtwide - FL 06/2015 - 05/2016 - TWO included: Intersection of SR25/S. Okeechobee Rd at W12th Ave/NW 74th St; Sunset Drive and SW 87th Ave and NW 12th Ave from SW 8th St to NW 14th St., in Miami-Dade County. Engineer of Record in charge of the preparation of the signal mast arm analysis and design reports required for these safety improvements projects including signal head modifications and back plate installations installed to new and existing mast arm structures. Oscar also assisted in the review and approval of shop drawings for drainage structures installed throughout the projects. **Contact:** Mrs. Alina Fernandez, P.E., 786-845-9540.

FDOT 6 District wide Safety Improvement Projects - 6/2017- 05/2019 - Structural EOR responsible for the analysis of multiple existing signal mast arms throughout the district. Types of mast arms include FDOT and Miami Dade County configurations. Structural reports were based on AASHTO LRFD, LTS-6 and LTS 6 with appendix C, as allowed by the FDOT Structures Manual for analysis of existing structures receiving additional loading. TWO: Intersection of NE 135th St. and Memorial Hwy., and Flagler St. and NW 79th Ave. among others. **Contact:** Mr. Edwin Mojena, P.E., 305-503-9873

SR 826-Seg. 1, Palmetto Expwy from I-75 to N Canal C-8 Bridge - 01/2016-05/2019 - EOR for the preparation of the BDR and construction documents for 3 new bridges required needed along SR 826 Mainline. Design activities include the plans preparation of three FIB type bridges constructed in phases with pile supported substructures. Load ratings were performed using the FDOT Prestressed Beam Mathcad Software. Substructure designed was based on Leap Bridge Concrete (former RCPier). **Contact:** Mr. Raul Quintela, P.E., 305-470-5271.

DW Local Government In-Depth Bridge Inspection; Miami-Dade County, FL - 11/2017-05/2019 - Project Manager (Sub-Consultant), assisted in the structural inspections for multiple Local Government owned Bridges. Activities included the Bridge Inspection Report Preparation using BrM and BMS for 20 bridges with multiple owners including, Miami-Dade County, City of Miami Beach, City of Homestead and Miami-Dade Transit. Bridge types ranged from CIP slabs, prestressed slab units and steel configurations all supported on pile foundations. Responsibilities included the review of load rating reports to confirm that rating values were accurately reported in BrM. **Contact:** Mr. Pablo Orozco, P.E., 305-470-5370

MIA Bldg. 3000 Edge Beam Repairs – Miami-Dade County, FL. MDAD, 06/2016 – 01/2017 - Structural EOR for the preparation of construction documents including construction cost estimates for the repairs of the existing Miami International Airport Edge Beam connecting the departures bridge to the main building. Tasks included: beam repair procedures, Maintenance of Traffic, scheduling, scaffolding requirements as well as the approval of proposed repair products. **Contact:** Mr. Darrell Palmer, P.E., 305 876-0830

Monroe County Shared-Use Path – Pedestrian Bridge, Monroe County, FL, Monroe County. 06/2012-06/2015 Engineer of Record in charge of the design and plans preparation of a 10-foot-wide, 120-foot-long single-span pedestrian bridge over the Marvin D. Adams Water Way. The superstructure consisted of (2) FIB 45 beams supported on shallow foundations and MSE Walls. The project included enhanced aesthetics and material selection coordination for this extremely aggressive environment. **Contact:** Mrs. Judith Clarke, P.E., 305-295-4329.

NW 42nd Avenue Bridge Replacement, City of Miami Gardens (ARRA) 09/2011 - 07/2012 - Engineer of Record in charge of the design and plans preparation for the bridge replacement at this important canal crossing. The Design-Build Scope of work included structural analysis as well as bridge load rating calculations following LRFR as modified by the current edition of the FDOT Structures Design Guidelines. Replacement required phased construction and coordination with Geotech, Drainage and Environmental Disciplines. **Contact:** Mrs. Mariana Pirticiu, P.E., 305-622-8000 x 3104



Jorge A. Canales, P.E.
Senior Structural Engineer QA/QC
Availability: 70%

PROFESSIONAL PROFILE

Years with Firm: **2**



Mr. Canales provides technical expertise in the design and plan preparation, construction and inspection of highway structures and educational facilities. He has been responsible for the preliminary and final design of various highway structures and roadway design located in multiple states. He provides in-house quality control and quality assurance in the design and plan preparation of highway and building structures, including traffic signals, mast arms and roadway design for state and local municipal agencies. Mr. Canales has managed the structural design staff of major national design consulting firms in Illinois, Virginia and Florida. He brings over 49 years of experience in bridge and retaining wall engineering and plan preparation, calculation of construction quantities and special provisions, construction supervision, bridge inspection and rating analysis of steel, concrete and timber structures, and concrete box culverts. Mr. Canales has been responsible for the preparation of the scope of work, man-hour estimates, negotiations, scheduling and staffing for all transportation services contracts including construction services.

Professional Registrations

Florida License # 60444 (2003)

Education

BS Civil Engineering University of Missouri 1978.

BS Building Engineering Lincoln University of Missouri 1968

REPRESENTATIVE PROJECTS

Indian Creek Drive Retaining Walls; City of Miami Beach, FL – 06/2020 thru Present - Structural Engineer in charge of the QA/QC for the design and plans preparation of multiple retaining walls for this important improvement project along Indian Creek Drive, from 25th Street to 35th Street. Wall designs include Permanent Concrete Seawalls, Permanent Steel Sheet pile walls and temporary critical sheet pile walls designed to protect the roadway during the installation of multiple drainage structures required along the project. Walls required special consideration due to the extremely aggressive marine environment. **Contact:** Mr. Maher Maaliki, P.E., 305-720-5548.

311 & 911 Support Area Renovation, Doral, Florida – 12/2019-Present, Miami-Dade County, FL - Structural Engineer in charge of the QA/QC of structural plans and calculations for the construction of a two level 8,500 square foot area at the Lightspeed Facility in 11500 NW 25th St., Miami-Dade County, Florida. The two-level structure will be built within an existing building and is designed to support mechanical equipment at the mezzanine level and to provide accommodations for the staff responding to 311 and 911 calls. The proposed supporting frame includes steel columns and beams supported on concrete foundations. The roof is supported by steel joists. Mr. Cruz also prepared the structural section of the project specifications manual. Based on the 2017 Florida Building Code.

G-72E Control Structure; BCC Engineering, 03/15/2019-Present - Structural Engineer in charge of the quality control for calculations and plans for a South Florida Water Management District Control Structure within the C-7 canal in Miami-Dade County. Services include the design of a cast in place concrete twin box culvert, anchored steel sheet pile walls, cast in place wing walls and spilling well steel platforms. Responsibilities included the preparation of construction cost estimates and project specifications. **Contact:** Mr. Danny Raymat, P.E., 305-670-2350.

MacArthur Causeway East Bridge Repairs, LEAD Engineering Contractors, FL – 05/19-06/2020 - Specialty Engineering Services, Structural QA/QC for an Engineering Analysis Report to document the presence of non-structural deck cracks and recommend repair solutions. The bridge was built in 1957. It is 2,155' long and has 34 prestressed concrete girder approach spans, 15 of them being 45' long and the remaining 19 being 65' long as well as 3 continuous steel girder main spans (70', 105', 70'). **Contact:** Mr. Fernando Sanchez, MSCE., 305-615-3272 Ext. 102

Hard Rock Stadium Pedestrian Bridges and Tunnels; A&P Consulting Transportation Engineers, Inc.; FL - 01/2019-09/2019 Structural Engineer in charge of the verification of shop drawings and design calculations for 2 prefabricated truss bridges and 2 precast concrete arch tunnels constructed at the Hard Rock Stadium in Miami Gardens, Florida. Design elements included steel design, steel sheet piling, MSE Wall control drawings, joints, bearing plates and waterproofing systems among others. Responsibilities also included assisting the CEI team with structural design related RFI's. **Contact:** Mr. Erik Sibila, P.E., CGC, MSCE. 305-283-9816

Indian Creek Pump Station Outfall Structure Stability Analysis; David Mancini and Sons, Inc., FL – 04/2019 thru 05/2019 - Specialty Engineer in charge quality control for the structural evaluation of the "as-built" condition of the outfall structure constructed as part of the pump station project at Indian Creek Canal in Miami Beach, Florida (FPID No. 439228-1-32-01) **Contact:** Mr. Christopher Lazzari, 954 895-0741.

Golden Glades Park and Ride; LEAD Engineering Contractors, FL - 01/2019-04/2019 - Specialty Engineer in charge quality control for the verification of shop drawings and design calculations for a 10' wide pedestrian canopy to be used as temporary shelter



Jorge A. Canales, P.E.
Senior Structural Engineer QA/QC
Availability: 70%

for bus access. Tasks included the design verification of manufactured scaffolding elements. **Contact:** Mr. Fernando Sanchez, MSCE., 305-615-3272 Ext. 102

Florida Department of Transportation – District 6. I-75 and Palmetto Express Lanes, Design Build Project. 10/2013 – 12/2013. Senior Project Engineer. Responsible for the preliminary design of all the concrete retaining walls along the Palmetto (SR 826) Northbound and Southbound; and steel sheet piling walls with anchors along the Peter's Pike Canal. **Contact:** Mr. Doug Hershey, P.E., 813-357-3750.

Asset Management - Bridges, Signs, Traffic Signal Mast Arm and High Masts, Monroe County, FL. 03/2007- 06/2012 - Project Manager. Responsible for the management of inspection teams, including the execution of the planning, scheduling and inspection of bridges, overhead signs, traffic signal mast arms and high mast light poles along the SR A1A through the Florida Keys. Responsible for the preparation of work recommendations in the FDOT MMS. **Contact:** Mr. Pablo Orozco, P.E., 305-470-5370

Florida Department of Transportation- District 6. District-wide Local Government In Depth Bridge Inspection. 3/2011 - 3/2013. Project Supervisor. Responsible for the Quality Assurance and Quality Control for the routine, interim and emergency inspection, and Pontis inspection reports. **Contact:** Mr. Pablo Orozco, P.E., 305-470-5370.

Florida Department of Transportation- District 4. Overhead Sign Inspection Services. 4/2013 - 10/2014 - Project Supervisor. Responsible for the Quality Assurance and Quality Control for the routine, interim and emergency inspection, and Pontis inspection reports for overhead signs. **Contact:** Mr. Miguel Soria, P.E., 305-447-2575

Miami Dade Expressway Authority. Asset Management Contract - Bridges, Signs and High Masts, 03/2004-4/2010 - Project Manager. Responsible for the management of inspection teams including the execution of the planning, scheduling and inspections of bridges, overhead signs, and high mast light poles in Miami-Dade County within the MDX system, for the last four years. Coordination with MDX personnel in preparing and updating a data-based system for work recommendations. Responsible for the preparation of work recommendations in the FDOT MMS. **Contact:** Mr. Jose Darsin, P.E., 786-402-7422.

95th Street Extension Improvement Project, Illinois (Lakewood Homes, Inc.) 8/2001-7/2002 - Responsible for the Quality Control and Quality Assurance for the final design and plan preparation for 3,052 feet of arterial road from Plainfield-Naperville Road to Eagle Brook Lane. Work included composite topographic and planimetric survey base sheets; preliminary engineering; street pavement improvements with curb and gutter; storm sewer and storm sewer structures; public sidewalk construction; street lighting per City of Naperville ordinances; pavement striping and traffic control signage; erosion and sedimentation control measures and devices; traffic control and stage construction plans; and preparation of public notices, bid forms, instructions to bidders, final plans, specifications, contract documents and schedule of quantities. **Contact:** Carmelo Acevedo, P.E., 630-862-2100.

City of Naperville. 103rd Street Improvement Project, Naperville, Illinois. 9/2001 – 12/2001. Senior Project Engineer. Responsible for the Quality Control and Quality Assurance for the final design and plan preparation for 2,587 feet of road. Improvement includes complete removal of the existing pavement section, including sub-grade material, and replacement with a new pavement section. This project also required partial removal and replacement of the curb and gutter, storm sewer work, sidewalk removal and replacement, restoration of asphalt and gravel drive aprons, mailbox relocation, pavement markings, landscape restoration with sod, and traffic control and protection. **Contact:** Carmelo Acevedo, P.E., 630-862-2100

City of Aurora, Indian Trail Road Improvements, Aurora, Illinois. 1/2002 – 5/2002. Responsible for the final design and plan preparation of 5,330 feet of Section I of the Indian Trail Rd. from the DuPage County line to Farnsworth Ave. Work included topographic, planimetric field survey, modification to base sheets, incorporation of new city standards into the contract documents, modification of regulatory FIS backwater model, updating the IDNR-OWR permit application, preparation of grading plan for compensatory storage site, structural design revisions to preliminary box culvert, processing IEPA/Fox Metro sanitary sewer main, IEPA water main extension permit applications, wetland inventory delineation/wetland quality assessment, stormwater management permit application, and the design of stormwater management facilities. **Contact:** Carmelo Acevedo, P.E., 630-862-2100.

City of Geneva. Geneva Drive Improvements, Geneva, Illinois. 4/2002 -07/2002. Senior Project Engineer. Responsible for the final design and plan preparation, cost estimate and specifications for the construction of 1,780-feet of Geneva Drive. Road improvements included new pavement, extension of sanitary and storm sewer, sidewalk, landscaping, stormwater management basin, and street lighting. **Contact:** Carmelo Acevedo, P.E., 630-862-2100.

Port Everglades Bond Survey, Broward County Public Works Department Seaport Engineering and Construction Division. Senior Inspector. Responsible for the visual inspection of the structural seawalls, fender systems and bollards, cruise terminals building parking garage structures and over 20 buildings structures own and maintain by the Port Authority. Additionally, a list of the found deficiencies were presented along with a probable estimate of construction cost.



Gregory P. Dover, P.E.
Senior Structural Engineer
Availability: 70%

PROFESSIONAL PROFILE

Years with Firm: 1



Mr. Dover's 29-year experience includes project management duties, as well as Engineer-of-Record duties such as design and plans production. Mr. Dover mentors and trains junior staff and assists in pursuing upcoming projects. Experience in structural design includes phase review, design management, and construction project management. Has primary experience in concrete and steel bridge design, advanced structural modeling, and bridge inspection, as well as miscellaneous structures design including retaining walls, overhead signs, traffic signals, and buried drainage structures. Additionally, has recent design-build experience in direct construction support for field change requests, contractor requests for information (RFI), and utility conflict resolution. Work experience includes private, municipal, county, state, and federal clients at the planning, design, and construction stages. Contract management duties comprised design-build, public-private partnerships (PPP), and traditional design-bid-build contracts. Experienced in managing risks associated with different procurement methods. Mr. Dover has completed multiple Load Rating Calculations.

Professional Registrations

Florida PE License # 57684 (2001)

North Carolina PE License # 020635 (1995)

South Carolina PE License # 20273 (2000)

Education

BS Civil Engineering, North Carolina State University, 1990

Professional Qualifications:

Envision Sustainability Professional (ENV SP): Institute for Sustainable Infrastructure (2017)

REPRESENTATIVE PROJECTS

Indian Creek Drive Retaining Walls; City of Miami Beach, FL – 06/2020 thru Present - Structural Engineer developing design and plans preparation of multiple retaining walls for this important improvement project along Indian Creek Drive, from 25th Street to 35th Street. Wall designs include Permanent Concrete Seawalls, Permanent Steel Sheet pile walls and temporary critical sheet pile walls designed to protect the roadway during the installation of multiple drainage structures required along the project. Walls required special consideration due to the extremely aggressive marine environment. Other tasks included the design of traffic railing mounted decorative light poles. **Contact:** Mr. Maher Maaliki, P.E., 305-720-5548.

Brickell over Miami River Bridge Tender House Modifications, Miami, FL, FDOT District 6 – 2019. Engineer of record for the modifications to the bridge tender house to accommodate additional monitoring equipment on the outside of the building. The scope of work including on-site inspection of the structure, structural modeling of the building frame, including the roofing, for the additional wind load and weight on structure. Also design of the mounting system to attach the equipment to the building. **Contact:** Pablo Orozco, PE (FDOT D6, 800-435-2368).

SR 826 - Palmetto Segment 4, FDOT District 6, FPID 435760-4-52-01 – 2016-2019. Responsible for the management and engineer of record for a 3-span bridge (SR 826 over 47th Ave.) The bridge consists of 54" FIB girder beams, 200 ft. (+) long end bents on 18" prestressed concrete piles (PCP), and multi-column piers on concrete footing caps with 24" PCP. Project involves intricate MOT phasing with new lanes skewed to the existing alignment, and also requires critical temporary sheet piles in order to place the footings. Close coordination with the Geotech engineer includes existing pile extraction, and optimization of foundation selection, and minimization of pile driving vibrations affecting adjacent businesses. Mechanically stabilized proprietary walls were used on the bridge approaches, along with anchored sheet pile walls between phases of construction. Additionally, the project includes drainage box modifications, as well as sign structures. Developed BDR and associated plans, calculations, and cost estimates. Project is currently at the 90% level. **Contact:** Raul Quintela, PE, 305-470-5271 Length of Corridor: 2 miles

Henry Kinney Tunnel Rehabilitation and Pedestrian Plaza Structure, FDOT District 4, FPID 439714-1-32-01 – 2016-2019 Project manager and engineer of record for the design of sign and signal structures approaching the tunnel, including DMS signs, entrance gates, over-height vehicle detection structures, as well as the Pedestrian Plaza Structure (tunnel extension) to capture urban space for pedestrians along the Las Olas Riverwalk area of Fort Lauderdale. This requires modification to this category 2 structure, and close coordination with FDOT Central office and FDOT D4 structures and bridge maintenance offices. In addition, he is closely coordinating City of Fort Lauderdale and other affected agencies such as first responders, and State Historic Preservation Office. **Contact:** Fausto Gomez, PE, 954.777.4466 Length of Corridor: 5 miles

Mathews Bridge Rehabilitation, Jacksonville, FL, FDOT District 2 – 2012-2018. Engineer of record for the painting and rehabilitation of steel members on the approach spans of SR 10A over the St. John's River. Two additional bridges were painted over the out of service railroad and Palmetto St. Post Design services included review of containment plans and calculations, as well as



Gregory P. Dover, P.E.
Senior Structural Engineer
Availability: 70%

rehabilitation of elements which were further deteriorated since the last bridge inspection. **Contact:** Jeff Bailey, CBI, 904-360-5577
 Length of Corridor: 2 miles

Districtwide Plans Review, Miami-Dade County, FL, FDOT District 6. Task Work Order 1 - 2018-2019 – Design of substructure for bridge 9 of the Golden Glades Interchange in Miami, FL. The substructure was designed to support a curved steel bridge. The bent cap was a post and beam type, with 2 non-redundant drilled shafts. A lateral shaft analysis was also performed to set the minimum tip elevation of the shaft. **Contact:** Hailing Zhang, PE, 305.470.5484 Length of Corridor: 2 miles

Miami Dade Expressway Authority – Bridge Rehab and Repairs Contract. – 2018-2019 - As general consultant, provided rehab and repair plans for 80 bridges, including joint repair and replacement, as well as bridge jacking and bearing replacements. Investigated proprietary types of joint systems and obtained FDOT approval to use new types of joints to further the lifespan and simplify the repairs, while lowering life cycle costs. **Contact:** Juan Toledo, PE, 305.637.3277 Length of Corridor: 2 miles

Miami Dade County DTPW, 2018-2019 - - EOR and PM for THE replacement of a bridge designed as a 3-span continuous deck slab, supported on pile bents and pile end bents. Special bridge aesthetics were coordinated with the County and local municipalities to further enhance the end user experience. **Contact:** Gabriel Delgado, PE, 305.510.2257 Length of Corridor: 0.25 miles

NW 79th Ave bridge, FDOT District 6, Miami, FL, 2018-2019 - - Engineer of Record for a bridge widening for 79th Ave. over a canal. Bridge was designed as a 3-span continuous deck slab, supported on pile bents and pile end bents. Special consideration was given to the flared ends of the bridge, as well as to the design of the bulkhead pile and panel wall at the ends of the bridge. **Contact:** Raul Quintela, PE, 305-470-5271 Length of Corridor: 2 miles

Ports - Berth 17 Improvements, Palm Beach County, FL, Port of Palm Beach., 2016-2017 - Engineer for the design of structural elements to lengthen the berth and provide a new wall in front of the old wall. This involved considerations of dredging, calculation of berthing and mooring forces, as well as assisting in the design of several wall types, including secant walls and anchored steel sheet pile walls. Also served as the design engineer for the dolphins, including the piling, to accommodate the berthing and mooring forces.

Ports - Berth 9 Reconstruction, Tampa, FL, Port Manatee. 2015-2016 Structural Engineer for the redesign of the deteriorated Berth 9 bulkhead. A king pile system was used consisting of pipe piles with intermediate sheet piles in front of the old cell-type wall. Several alternates were provided to the client using different load cases and dredge depths so the client could choose the most appropriate wall sizes within the budgetary constraints. The wall was designed for corrosion to achieve the service life required. Special considerations were given to constructability due to the vibrations of installing new piles near the existing cell wall.

7-Mile Bridge Rehabilitation, Monroe County, FL, FDOT District 6. 2015-2016 Structural Engineer for the rehabilitation of a 35,000' long bridge over the ocean, which is a critical bridge linked to the Florida Keys. This bridge is in the most extreme corrosive marine environment possible, with structural elements permanently in the splash zone resulting in accelerated corrosion, and constant cracks, spalls, and delaminations. Responsibilities included assessment of the existing structural condition and preparation of design and plans for bridge rehabilitation and corrosion protection systems. This bridge was the basis of a research project for FDOT to try out multiple corrosion protection schemes. Our team evaluated these and other options and recommended the best solutions of galvanic protection systems that fit within the budget. In further discussions with FDOT, offered several options for a permanent impressed current corrosion protection solution to extend the service life of the bridge to 50 more years, with the benefit that major rehabilitation work did not have to be programmed every 5 years. Also involved with the design of a temporary steel frame- jacking support system to remove sections of columns that required emergency rehabilitation. This innovative solution allows one column in a two-column pier to be rebuilt without shutting down traffic on this critical bridge. **Contact:** Mr. Pablo Orozco, P.E., 305-470-5370

I-595 Roadway Improvements Project (Design Phase), Broward County, FL, FDOT District 4. 2010-2015 Deputy Structures Manager for the design of 65 bridges and Engineer-of-Record for more than 100 sign and drainage structures for this design-build-finance PPP project. This 10.5-mile corridor provided express lanes in the median of I-595 and required many structures to be modified, including concrete and steel bridges, both short and long spans. Directed multiple design teams from other regions, which included training personnel on local codes and standards, reviewing bridge and wall plans, and verifying quality assurance (QA) of the submittal package; designing project standards for overhead-sign-structure foundations, including drilled shafts and footings on piles; leading weekly team meetings with designers; maintaining structures' project schedule; and handling monthly progress reports, monthly invoicing, scope change requests, and responses to FDOT and Florida's Turnpike Enterprise comments.

Districtwide Plans Review, Miami-Dade County, FL, FDOT District 6. Structural Engineer performing plans review for various bridge plans brought forth by FDOT. Plans were given a comprehensive review for compliance with FDOT guidelines at each design phase. Work involved various types of bridge superstructures including prestressed AASHTO beams and various types of substructures including bents on piles and post-and-beam with pile footing configurations.



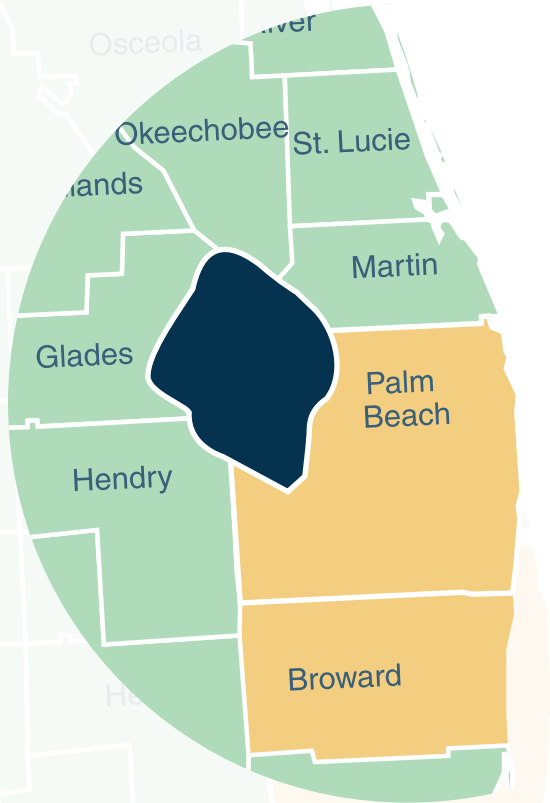
**pompano
beach.**
Florida's Warmest Welcome

Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



SECTION 9 OFFICE LOCATIONS

Kimley-Horn's prime office is located in West Palm Beach, less than one hour away from the City's offices. Your project manager, **Jamea Long, P.E.**, will lead all engineering services for the Continuing Contract for Structural Engineering Services from this location. Our prime office is currently home to 144 employees. Team members selected for this effort work from this local office, as well as from our offices in Fort Lauderdale and Boca-Delray. Additional Kimley-Horn employees may be called upon to support the project if necessary; Kimley-Horn has nearly 800 employees in 16 offices across the state ready to assist the City on an as-needed basis.



Kimley-Horn West Palm Beach Office

Office Location: 1920 Wekiva Way, Suite 200, West Palm Beach, FL

Kimley-Horn Fort Lauderdale Office

Office Location: 600 North Pine Island Road, Suite 450, Plantation, FL 33324

Kimley-Horn Boca-Delray Office

Office Location: 1615 South Congress Avenue, Suite 201, Delray Beach, FL 33445

Subconsultant Locations

H2R Corp. – Federal ID Number: 81-2654817

Office Location: 1900 NW 40th Court, Pompano Beach, FL 33064

Chrome Engineering, Inc.

Office Location: 16650 SW 88th Street, Suite 205, Miami, FL 33196



Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



SECTION 10 LOCAL BUSINESSES

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

E-26-20 Continuing Contract for Structural Engineering

Solicitation Number & Title: Services

Prime Contractor's Name: Kimley-Horn and Associates, Inc.

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Material to be Purchased	Contract Amount or %
Chrome Engineering, Inc. 16650 SW 88th Street, Suite 205, Miami, FL 33196	Oscar Cruz 305.432.6826	Bridge Structures, Seawalls	TBD
H2R, 1900 NW 40th Court, Pompano Beach, FL 33064	Yves-Stanley (Stan) 954.972.7570	Building Foundations, Structural Condition Assessments, Construction Phase Services	TBD

LOCAL BUSINESS EXHIBIT "A"

N/A

LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS
UNAVAILABILITY FORM

BID # _____

I, _____
(Name and Title)

of _____, certify that on the _____ day of _____, _____, I invited the following LOCAL BUSINESSES to bid work items to be performed in the City of Pompano Beach:

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

Said Local Businesses:

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

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

N/A

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

BID # E-26-20

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" – Page 2



Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



SECTION 11 LITIGATION

Kimley-Horn and its subsidiaries have provided services in all 50 states and numerous countries. Because of the many and varied projects we have completed, we are subject to various legal proceedings from time to time and in the ordinary course of business. In the last 5 years, Kimley-Horn has had more than 19,675 active projects in Florida, 19 of which had some form of litigation. Of these cases, 5 were dismissed, 10 were settled, and 4 are pending. This represents 0.9657% of all projects completed by Kimley-Horn in Florida over the past five years. None of the pending matters, if decided against Kimley-Horn, would have a material impact on our financial statements or impair in any way our ability to serve our clients. Generally, these matters are covered by insurance, and we consider them to be without merit. If you would like to discuss our legal matters in more detail, please contact Kimley-Horn's General Counsel, Richard Cook, at 919.677.2058.



Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



SECTION 12 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) Jamea M. Long, P.E. Title Project Manager

Company (Legal Registered) Kimley-Horn and Associates, Inc.

Federal Tax Identification Number 56-0885615

Address 1920 Wekiva Way, Suite 200

City/State/Zip West Palm Beach, FL 33411-2410

Telephone No. 561.840.0859 Fax No. 561.863.8175

Email Address Jamea.Long@kimley-horn.com

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.# 56-0885615

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Marwan Mufleh, P.E.	33	BSCE
Project Manager	Jamea Long, P.E.	23	BSCE
Asst. Project Manager	Angelina Fairchild, P.E., LEED AP	33	MSCE, BSAE
Other Key Member	Tom Farnan, P.E.	39	BSCE
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	H2R Corp. 1900 NW 40th Ct., Pompano Beach, FL 33064 Chrome Engineering, Inc. 16650 SW 88th Street, Suite 205, Miami, FL 33196	David Rancman, P.E., CEO Oscar Cruz, P.E.
Other Key Member		
Other Key Member		
Other Key Member		
Other Key Member		

(use attachments if necessary)

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?

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

X 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.

08/24/2020

(Date)

Kimley-Horn and Associates, Inc.

(Name of Firm)

BY: Jamea Long, P.E.

(Name)

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

E-26-20 Continuing Contract for Structural Engineering

Solicitation Number & Title: Services

Prime Contractor's Name: Kimley-Horn and Associates, Inc.

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Material to be Purchased	Contract Amount or %
Chrome Engineering, Inc. 16650 SW 88th Street, Suite 205, Miami, FL 33196	Oscar Cruz 305.432.6826	Bridge Structures, Seawalls	TBD
H2R, 1900 NW 40th Court, Pompano Beach, FL 33064	Yves-Stanley (Stan) 954.972.7570	Building Foundations, Structural Condition Assessments, Construction Phase Services	TBD

LOCAL BUSINESS EXHIBIT "A"

N/A

LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS
UNAVAILABILITY FORM

BID # _____

I, _____
(Name and Title)

of _____, certify that on the _____ day of _____, _____, I invited the following LOCAL BUSINESSES to bid work items to be performed in the City of Pompano Beach:

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

Said Local Businesses:

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

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

N/A

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

BID # E-26-20

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" – Page 2



Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
 (E-26-20)

Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
 (E-26-20)



Corporate and Individual Licenses

Kimley-Horn Firm Licenses

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.: **LB696**
 Expiration Date: February 28, 2021

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

KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE ST STE 600
 RALEIGH, NC 27601-1777

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.

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

KIMLEY-HORN AND ASSOCIATES INC
 421 FAYETTEVILLE STREET
 SUITE 600
 RALEIGH NC 27601

LICENSE NUMBER: **GB175**
 EXPIRATION DATE: **JULY 31, 2020**
 Always verify licenses online at MyFloridaLicense.com

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STATE OF FLORIDA
 BOARD OF PROFESSIONAL ENGINEERS
 THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

KIMLEY-HORN & ASSOCIATES, INC.
 421 FAYETTEVILLE STREET
 SUITE 600
 RALEIGH NC 27601

LICENSE NUMBER: **CA696**
 EXPIRATION DATE: **FEBRUARY 28, 2021**
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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

KIMLEY-HORN AND ASSOCIATES INC
 421 FAYETTEVILLE STREET
 SUITE 600
 RALEIGH NC 24401

LICENSE NUMBER: **LCC000219**
 EXPIRATION DATE: **NOVEMBER 30, 2021**
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State of Florida
Department of State

I certify from the records of this office that KIMLEY-HORN AND ASSOCIATES, INC. is a North Carolina corporation authorized to transact business in the State of Florida, qualified on April 24, 1968.

The document number of this corporation is 821359.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on April 15, 2020, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Eleventh day of May, 2020

Randy Rhea
 Secretary of State

Tracking Number: 7042987469CU

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

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
 115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 - 954-831-4000
 VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020

DBA: KIMLEY-HORN & ASSOCIATES INC
 Business Name: KIMLEY-HORN & ASSOCIATES INC
 Business Location: 600 N FINE ISLAND RD #450 FT LAUDERDALE
 Business Phone: 954-739-2233

Receipt #: 377-1360
 Business Type: OFFICE/SALES/BUSINESS/ADMIN (CORP OFFICE)
 Business Opened: 02/01/1984
 State/County/Cert/Reg: Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
For Vending Business Only				
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years
45.00	0.00	0.00	0.00	0.00
Collection Cost	Total Paid			
0.00	45.00			

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

Mailing Address: KIMLEY-HORN & ASSOCIATES INC, 421 FAYETTEVILLE ST STE 600, RALEIGH, NC 27601

Receipt #: 8999-18-00192895
 Paid 09/24/2019 45.00

2019 - 2020

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
 115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 - 954-831-4000
 VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020

DBA: KIMLEY-HORN & ASSOCIATES INC
 Business Name: KIMLEY-HORN & ASSOCIATES INC
 Business Location: 600 N FINE ISLAND RD #450 FT LAUDERDALE
 Business Phone: 954-739-2233

Receipt #: 377-1360
 Business Type: OFFICE/SALES/BUSINESS/ADMIN (CORP OFFICE)
 Business Opened: 02/01/1984
 State/County/Cert/Reg: Exemption Code:

Signature	Rooms	Seats	Employees	Machines	Professionals
For Vending Business Only					
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost
45.00	0.00	0.00	0.00	0.00	0.00
					Total Paid
					45.00

Receipt #: 8999-18-00192895
 Paid 09/24/2019 45.00



pompano beach
Florida's Warmest Welcome

Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



Kimley-Horn Individual Licenses

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

BEVILACQUA, ANTHONY MICHAEL
1920 WEKIVA WAY
SUITE 200
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE59262
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

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Ron DeSantis, Governor

STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS

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

MUFLEH, MARWAN HASHEM
11691 TIMBERWOOD RD.
BOCA RATON FL 334280000

LICENSE NUMBER: PE45329
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor Halsey Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

FARNAN, THOMAS W.
6321 FOX RUN CIR.
JUPITER FL 334580000

LICENSE NUMBER: PE49143
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RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

LONG, JAMEA POTTER
3439 E MALLORY BLVD
JUPITER FL 33458

LICENSE NUMBER: PE58677
EXPIRATION DATE: FEBRUARY 28, 2021
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RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

FUENTES, JUAN JOSE
9700 S. DIXIE HWY.
STE. 880
MIAMI FL 33156

LICENSE NUMBER: PE62426
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

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RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

GOU-FAIRCHILD, ANGELINA
1920 WEKIVA WAY, STE. 200
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE43958
EXPIRATION DATE: FEBRUARY 28, 2021
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Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



Kimley-Horn Individual Licenses (Continued)

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

LENKER, JASEN EDWARD
1920 WEKIVA WAY
SUITE 200
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE83599
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor Haley Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
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PICCOLO, JERRY MARCUS
6425 ROBINSON STREET
JUPITER FL 33458

LICENSE NUMBER: PE80484
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor

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

LONG, JON CASEY
3439 E. MALLORY BLVD
JUPITER FL 33458

LICENSE NUMBER: PE56083
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor Haley Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

VIOLA, STEFANO F.
382 S HIBISCUS COURT
PLANTATION FL 33317

LICENSE NUMBER: PE74655
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor

STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
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LONG, JON CASEY
3439 E. MALLORY BLVD
JUPITER FL 33458

LICENSE NUMBER: PE56083
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor

STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
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LOPEZ GEDEON, MARISA-ANN
1920 WEKIVA WAY
SUITE 200
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE73995
EXPIRATION DATE: FEBRUARY 28, 2021
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Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



Kimley-Horn Individual Licenses (Continued)

RICK SCOTT, GOVERNOR
JONATHAN ZACHEM, SECRETARY

Florida
dbpr

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

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

MARAJH, CHELSEA MARIE
168 ALCAZAR STREET
ROYAL PALM BEACH, FL 33411

LICENSE NUMBER: PE84300
EXPIRATION DATE: FEBRUARY 28, 2021
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Licensee Details	
Licensee Information	
Name:	GOOLABSINGH, ALLYSON VICTORIA (Primary Name)
Main Address:	951 BRICKELL AVENUE APARTMENT 3605 MIAMI Florida 33131
County:	DADE
License Mailing:	
License Location:	
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	82392
Status:	Current, Active
License Date:	01/11/2017
Expires:	02/28/2021
Special Qualifications	
Civil	08/02/2016
Advanced Building Code Course Credit	12/31/2018

State of Florida
Board of Professional Engineers

Jaime Ghitelman

Whereas, *Jaime Ghitelman* has shown competency and fitness to practice Professional Engineering and has complied with all requirements of the Board of Professional Engineers; therefore by virtue of the powers vested in said Board by the State of Florida, the Florida Board of Professional Engineers hereby issues this certificate of licensure numbered 87473 to practice Professional Engineering in the State of Florida as provided by the laws of the state and subject to the powers as vested in said Board.

In Testimony Whereof, Witness the signature of the Chair and Vice Chair under the seal of the Board this 1st day of June, 2019.

Kenneth L. Jodel, Jr.
Chair

[Signature]
Vice Chair

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS



pompano beach
Florida's Warmest Welcome

Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



H2R Corp. Firm and Individual Licenses

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

NGUYEN, THAI
2534 MARY SUE ST
LARGO FL 33774

LICENSE NUMBER: PE66551
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

H2R CORP
3921 76TH AVENUE NORTH
PINELLAS PARK FL 33781

LICENSE NUMBER: CA31828
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
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DELMAS, YVES-STANLEY
6746 SPRINGCREEK ISLES BLVD
LAKE WORTH FL 33461

LICENSE NUMBER: PE80352
EXPIRATION DATE: FEBRUARY 28, 2021
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BROWARD COUNTY
Certification Application

Home Find an Agency A to Z Guide

Small Business Development Home
Broward County Home

Company Information

H2R CORP
1900 NW 40 COURT POMAPNO BEACH, FL 33064

County: Broward
Contact: DAVID RANCMAN
Phone: 954-972-7570
Fax:
E-mail: DRANCMAN@H2RCORP.COM
Web site: http://www.H2RCORP.COM

Certification(s): CBE
Type: Construction Services
Specialties:
FOUNDATION TESTING & INSPECTION
STRUCTURAL ENGINEERING
SURFACE EXPLORATION & DRILLING
LABORATORY FACILITIES AVAILABLE IN BROWARD

Mailing Address:
1900 NW 40 COURT
POMAPNO BEACH, FL 33064

Broward County Vendor: Yes
Vendor Number:
File Number:

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

RANCMAN, DAVID A.
6284 LANDOWNE CIRCLE
BOYNTON BEACH FL 33472

LICENSE NUMBER: PE70413
EXPIRATION DATE: FEBRUARY 28, 2021
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Chrome Engineering, Inc.

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

CHROME ENGINEERING, INC.
13201 SW 197 AVENUE
MIAMI FL 33196

LICENSE NUMBER: CA32291
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
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CANALES, JORGE ALBERTO
11236 SW 104TH STREET
MIAMI FL 33176

LICENSE NUMBER: PE60444
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
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DOVER, GREGORY P.
944 NW 104TH LN
CORAL SPRINGS FL 33071

LICENSE NUMBER: PE37684
EXPIRATION DATE: FEBRUARY 28, 2021
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FDOT **BROWARD COUNTY** **FLORIDA DEPARTMENT OF TRANSPORTATION** **GREATER ORLANDO AVIATION AUTHORITY** **ACKNOWLEDGE TRANSPORTATION AUTHORITY**

Florida Unified Certification Program
Disadvantaged Business Enterprise (DBE)
Certificate of Eligibility
CHROME ENGINEERING INC
MEETS THE REQUIREMENTS OF 49 CFR, PART 26
APPROVED NAICS CODES:
541330, 541340

Samuel Febres (Sammy)
DBE & Small Business Development Manager
Florida Department of Transportation

Tampa International Airport **ALLAHASSEE** **Vetran**

Client#: 25320

KIMLHORN



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/28/2020

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

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

PRODUCER Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022	CONTACT NAME: Jerry Noyola PHONE (A/C, No, Ext): 770-552-4225 E-MAIL ADDRESS: jerry.noyola@greyling.com		FAX (A/C, No): 866-550-4082
	INSURER(S) AFFORDING COVERAGE		
INSURED Kimley-Horn and Associates, Inc. 421 Fayetteville Street, Suite 600 Raleigh, NC 27601	INSURER A : National Union Fire Ins. Co.		NAIC # 19445
	INSURER B : Aspen American Insurance Company		43460
	INSURER C : New Hampshire Ins. Co.		23841
	INSURER D : Lloyds of London		85202
	INSURER E :		
	INSURER F :		

COVERAGES **CERTIFICATE NUMBER: 20-21** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			5268169	04/01/2020	04/01/2021	EACH OCCURRENCE \$1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000
							MED EXP (Any one person) \$25,000
							PERSONAL & ADV INJURY \$1,000,000
							GENERAL AGGREGATE \$2,000,000
							PRODUCTS - COMP/OP AGG \$2,000,000
							\$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			4489663	04/01/2020	04/01/2021	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000
							BODILY INJURY (Per person) \$
							BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
							\$
B	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$0			CX005FT20	04/01/2020	04/01/2021	EACH OCCURRENCE \$5,000,000
							AGGREGATE \$5,000,000
							\$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> N	N/A	015893685 (AOS)	04/01/2020	04/01/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER
				015893686 (CA)	04/01/2020	04/01/2021	E.L. EACH ACCIDENT \$1,000,000
							E.L. DISEASE - EA EMPLOYEE \$1,000,000
							E.L. DISEASE - POLICY LIMIT \$1,000,000
D	Professional Liab			B0146LDUSA2004949	04/01/2020	04/01/2021	Per Claim \$2,000,000 Aggregate \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Annual Renewal Qualification Package

CERTIFICATE HOLDER Florida Dept of Transportation 605 Suwannee st Tallahassee, FL 32399-0000	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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Kimley-Horn and Associates, Inc.

Billing Rates

Classification	Billing Rate
Analyst	\$135.00
Clerical	\$88.00
Principal	\$300.00
Professional 1	\$151.00
Professional 2	\$198.00
Senior Professional 1	\$239.00
Senior Professional 2	\$273.00
Senior Support Staff	\$179.00
Support Staff	\$118.00

CUMMINS CEDERBERG, INC. 2020 RATE SCHEDULE¹

Title	Hourly Rate
Principal	\$250.00
Project Director	\$220.00
Senior Project Manager	\$180.00
Project Manager	\$160.00
Senior Scientist	\$160.00
Project Scientist	\$130.00
Associate Scientist II	\$115.00
Associate Scientist I	\$95.00
Senior Engineer	\$180.00
Project Engineer	\$150.00
Associate Engineer II	\$130.00
Associate Engineer I	\$115.00
Senior Designer	\$120.00
Designer	\$100.00
Technician	\$75.00
Clerical	\$65.00

¹ Rates are subject to change at one-year intervals from date of proposal execution.



Exhibit B Fee Schedule

P.O. Box 892
Fort Lauderdale, Florida 33302
Ph: 954.467.6822 - Fax: 954.467.7033
sdickey@dickeyinc.com - www.dickeyinc.com

Project Management - Public Relations - Business Development - Strategic Planning - Economic Development

**Dickey Consulting Services, Inc
Billing Rates**

Title	Rate
Public Outreach Task Principal	\$181.47
Public Outreach Project Manager	\$87.92
Sr. Project Coordinator	\$71.17
Project Coordinator	\$64.45
Technician	\$54.61
Administrative Assistant	\$50.82

Dickey Consulting Services, Inc.

Sustaining Communities



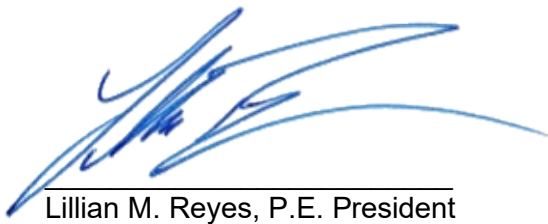
Electrical Design Associates

**BILLING RATE SCHEDULE
FOR
PROFESSIONAL SERVICES**

LABOR CLASSIFICATION	BASE RATE	X	MULTIPLIER	=	BILLING RATE
Principal In Company	\$ 72.00	x	2.85	=	\$ 205.20
Senior Electrical Engineer	\$ 60.00	x	2.85	=	\$ 171.00
Engineer	\$ 50.00	x	2.85	=	\$ 142.50
Senior Associate	\$ 48.00	x	2.85	=	\$ 136.80
Electrical Designer	\$ 40.00	x	2.85	=	\$ 114.00
CADD Technician	\$ 38.00	x	2.85	=	\$ 108.30
Clerical/Admin	\$ 28.00	x	2.85	=	\$ 79.80

The multiplier consists of salary (100%), general overhead (133%), fringe rate (27%) and Profit margin (25%), yielding a multiplier of 2.85.

Signature below certifies that the above Base Rate figures are accurate as of December 31, 2019 and as per the attached. The Billing Rates represent the actual salary costs including Salary, General Overhead, Fringe Benefits, and Profit Margin.



Lillian M. Reyes, P.E. President

December 14, 2020
Date

Exhibit B Fee Schedule

H2R Corp			
Job Classification	Employee	EOM	Rate
Engineer 2	Yves Delmas	Hour	\$ 119.35
Engineer 2	Min Ahn	Hour	\$ 119.35
Engineering Intern	Roshan Poudel	Hour	\$ 81.04
Engineering Intern	Omar Muriel	Hour	\$ 81.04
Senior Engineer 1	Thai Ngyuen	Hour	\$ 176.82
Senior Engineer 1	David Rancman	Hour	\$ 176.82
Geotechnical Technician	Gianfranco Salazar	Hour	\$ 67.78
Senior Geotechnical Technician	Johnny Marin	Hour	\$ 97.98
Senior Geotechnical Technician	Andres Echeverry	Hour	\$ 97.98



HSQ GROUP, INC.

Engineers • Planners • Surveyors

1001 Yamato Rd., Ste. 105, Boca Raton, FL 33431

(561) 392-0221 Phone • (561) 392-6458 Fax

December 14, 2020

Dixie McGaffic
KIMLEY-HORN
1920 Wekiva Way, Ste. 200
West Palm Beach, FL 33411
Email: Dixie.McGaffick@kimley-horn.com

Re: City of Pompano Beach: RLI E-20-0: Continuing Contract for Civil Engineering Services for Various City Projects

Dixie:

As requested, below are staff rates and titles for the above referenced project.

Name	Title	Hourly Rate	Multiplier	Loaded Rate
Alberto T. Zuniga, PE	Senior Engineer 2	\$37.50	3.00	\$112.50
Susan Zhang, PE	Engineering Technician	\$40.19	3.00	\$120.57
Daniel C. Laak, PSM	SUR Chief Surveyor	\$43.27	3.00	\$129.81

Please feel free to contact me if you require additional information or assistance at 561-392-0221 x103 or by email at nour@hsqgroup.net.

Thank you,
HSQ Group, Inc.

A handwritten signature in blue ink, appearing to read 'Nour Shehadeh', is written over the typed name.

Nour Shehadeh, PE
Vice President

**City of Pompano Beach Continuing Contracts - E-20-20
KEITH - PROFESSIONAL SERVICE FEE SCHEDULE**

Hourly Rate

Project Management

Project Executive	\$250.00
Expert Witness	\$350.00
Senior Project Manager	\$180.00
Project Manager II	\$160.00
Project Manager I	\$140.00
Assistant Project Manager	\$100.00
Administrative Assistant I	\$80.00

Civil / Traffic Engineering

Senior Traffic Engineer	\$175.00
Traffic Engineer	\$125.00
Engineer IV	\$125.00
Engineer III	\$110.00
Engineer II	\$100.00
Engineer I	\$90.00

Construction Engineering & Inspection (CEI)

Senior Construction Manager	\$180.00
Construction Manager	\$150.00
Engineering Inspector III	\$125.00
Engineering Inspector II	\$100.00
Engineering Inspector I	\$90.00

Planning

Senior Planner	\$140.00
Planner II	\$120.00
Planner I	\$100.00

Landscape Architecture

Senior Landscape Architect	\$150.00
Landscape Architect	\$135.00
Arborist	\$140.00
Landscape Designer III	\$125.00
Landscape Designer II	\$100.00
Landscape Designer I	\$90.00

**City of Pompano Beach Continuing Contracts - E-20-20
KEITH - PROFESSIONAL SERVICE FEE SCHEDULE**

Survey / SUE

Chief Surveyor	\$175.00
Senior Surveyor & Mapper.....	\$150.00
Project Surveyor II.....	\$125.00
Project Surveyor I.....	\$110.00
Technician	\$90.00
Survey Crew IV	\$160.00
Survey Crew III.....	\$140.00
Survey Crew II.....	\$120.00
Survey Crew I.....	\$110.00
Survey Static Laser Scanning.....	\$250.00
Survey Drone Photos	\$200.00
Survey Terrestrial Mobile LiDAR.....	Per Project
Chief Utility Coordinator	\$160.00
Senior Utility Coordinator	\$140.00
Utility Coordinator.....	\$100.00
Subsurface Utility Location Manager	\$140.00
Subsurface Utility Field Supervisor	\$90.00
Utility Designating/GPR.....	\$200.00
Impervious Coring >8".....	\$150.00/Each
Vacuum Excavation Test Hole (Pervious Surface).....	\$350.00/Each
Vacuum Excavation Test Hole (Impervious Surface)	\$450.00/Each

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
----	----------------------------------	--	-------------	-------------

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.

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

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

PRODUCER Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022	CONTACT NAME: Jerry Noyola	
	PHONE (A/C, No, Ext): 770-220-7699 FAX (A/C, No):	
	E-MAIL ADDRESS: jerry.noyola@greyling.com	
INSURED Kimley-Horn and Associates, Inc. 421 Fayetteville Street, Suite 600 Raleigh, NC 27601	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : National Union Fire Ins. Co.	19445
	INSURER B : Allied World Assurance Company (U.S.)	19489
	INSURER C : Everest National Ins Co	10120
	INSURER D : New Hampshire Ins. Co.	23841
	INSURER E : Lloyds of London	085202
	INSURER F :	

COVERAGES CERTIFICATE NUMBER: 21-22 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			GL5268169	04/01/2021	04/01/2022	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000 MED EXP (Any one person) \$25,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			CA4489663	04/01/2021	04/01/2022	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR			03127930	04/01/2021	04/01/2022	EACH OCCURRENCE \$5,000,000
C	<input checked="" type="checkbox"/> EXCESS LIAB DED <input checked="" type="checkbox"/> RETENTION \$10,000			XC8EX00363211	04/01/2021	04/01/2022	AGGREGATE \$5,000,000 \$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE/OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC015893685 (AOS) WC015893686 (CA)	04/01/2021 04/01/2021	04/01/2022 04/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
E	Professional Liab			B0146LDUSA2104949	04/01/2021	04/01/2022	Per Claim \$2,000,000 Aggregate \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: E-26-20; Continuing Contract Structural Service for Various Projects; Jamea Long. The City of Pompano Beach is named as an Additional Insured with respects to General & Automobile Liability where required by written contract. Should any of the above described policies be cancelled by the issuing insurer before the expiration date thereof, 30 days' written notice (except 10 days for nonpayment of premium) will be provided to the Certificate Holder.

APPROVED
Danielle Thorpe
By Danielle Thorpe at 5:39 pm, Apr 01, 2021

CERTIFICATE HOLDER City of Pompano Beach Kiandra Russ 1201 NE 5th Avenue Pompano Beach, FL 33060	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>D. N. Collins</i>
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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.

REQUESTED INFORMATION BELOW IS ON LOCAL BUSINESS PROGRAM FORM ON THE BID ATTACHMENTS TAB. BIDDERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

CITY OF POMPANO BEACH, FLORIDA
LOCAL BUSINESS PARTICIPATION FORM

Solicitation # & Title: _____

Prime Contractor's Name: _____

<u>Name of Firm, Address</u>	<u>Contact Person, Telephone Number</u>	<u>Type of Work to be Performed/Materials to be Purchased</u>	<u>Contract Amount</u>

LOCAL BUSINESS EXHIBIT "A"

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

Solicitation Number _____

TO: _____
(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:

at the following price: _____

(Date)

(Print Name of Local Business Contractor)

(Street Address)

(City, State Zip Code)

BY: _____
(Signature)

IMPORTANT NOTE: Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"

LOCAL BUSINESS EXHIBIT "C"
LOCAL BUSINESS UNAVAILABILITY FORM

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)



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Continuing Contract for
**STRUCTURAL ENGINEERING
SERVICES**
(E-26-20)

Kimley »» Horn

Expect More. Experience Better.



Kimley-Horn and Associates, Inc.

1920 Wekiva Way
Suite 200
West Palm Beach, FL 33411
Phone 561.840.0806
Fax: 561.863.8175
Jamea Long, P.E.
jamea.long@kimley-horn.com

August 24, 2020

*Subject: Request for Letters of Interest E-26-20
Continuing Contract for Structural Engineering Services*

Kimley»»Horn



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Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



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SECTION 1. LETTER OF INTEREST

Kimley»Horn

August 24, 2020

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

Re: Request for Letters of Interest – E-26-20: Continuing Contract for Structural Engineering Services

Dear Selection Committee Members:

Kimley-Horn is pleased to present the enclosed qualifications and response to the City of Pompano Beach and the Pompano Beach CRA's Request for Letters of Interest for Structural Engineering Services. As your project manager, my 23 years of experience working as a structural engineer on highway, municipal and other miscellaneous structural projects, coupled with the Kimley-Horn team, offers the City a robust local team of structural engineers and production professionals. We are experienced in various structural engineering tasks including

- municipal buildings
- bridge repair, reconstruction, replacements
- miscellaneous building repair, improvement, renovations
- roofing repairs, replacements, parking structures
- seawall repair, reconstruction, replacements
- marine structures
- parks and recreational facilities
- emergency power projects
- general transportation structures including bridges, poles, mast arms, walls, special inspection and structural condition assessments

Our team offers general consulting engineers and professionals who are exceptionally qualified to serve as your general structural consulting team.

The Kimley-Horn team has enjoyed a successful working relationship with the City of Pompano Beach for many years and we look forward to continuing to provide quality, cost-effective, and creative solutions while maintaining efficient project management on this Continuing Contract for Structural Engineering Services. Kimley-Horn has been successfully working with the City of Pompano Beach since 2002 and we look forward to continuing to provide quality services with our teaming partners on this contract. We have been providing on-call services to many municipalities and CRA's on a range of project sizes from very small one-day tasks to very large projects and construction. We have an established group of people and footprint of offices, with redundancy in staff and technical capability, that has allowed us to become experts in many fields.

Kimley-Horn's vicinity to the City offers a robust group of technical staff to assist the City. With over 300 staff in four offices in South Florida, Kimley-Horn offers you a responsive and technically balanced group of partners to fully rely on. These South Florida offices provide multi-disciplinary staff with an extensive depth of local resources not just in structural engineering but also in the civil, mechanical, roadway, and other aspects of projects. Our staff will be readily available to assist the City on any type of issue that may arise. We offer all the service types listed in the RLI, as well as others, in-house. Our South Florida offices provide over 35 structural engineering staff between our West Palm Beach, Fort Lauderdale, and Miami offices. This diverse staff stands ready to complete any task assigned. All you need to do is make one phone call and we can be on-site in less than an hour.

Corporate Name:

Kimley-Horn and Associates, Inc.

Local Office Serving the City of Pompano:

*1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411*

Telephone: 561.845.0665

**Project Manager/Kimley-Horn
Contact's Office:**

*Jamea Long, P.E.
1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411*

Telephone: 561.840.0859

Fax: 561.863.8175

jamea.long@kimley-horn.com



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The Kimley Horn team is focused on client service and we emphasize the following aspects of project management and execution:

- **Prompt and Proactive Responses.** We understand it is necessary to respond quickly and effectively with any task requested. We provide unmatched service, personal responsiveness, and local knowledge. Our office location will allow us to be readily available to your community and we are committing our local resources to you.
- **Commitment to Quality.** A firm is no greater than its reputation and Kimley-Horn is built on consistency and quality. As an established firm, we place significant emphasis on quality assurance and quality control. As a practice, we submit deliverables only after a thorough review by an expert within Kimley-Horn but outside of the immediate project team. We achieve quality by striving to improve one project at a time and regularly engage out clients in dialogue to help us understand how we can improve our service to them.
- **Budget Control.** We share your commitment to provide value to your residents by reasonably implementing public projects to meet City goals and stay within budget limits. We approach every task with a complete picture by looking at construction cost and engineering costs. The key to our success in this area is managing the right resources at the right time and actively seeking out potential cost-saving opportunities through value engineering.
- **Meaningful use of Subconsultants and MBE Partners.** Recognizing the demands and challenges that come from Continuing Contracts between compressed and/or accelerated schedules, simultaneous small and large size projects, and a broad variety of expectations on the type of work to be produced, we have purposefully aligned with a quality group of sub-consulting partners. For this contract we have established the most diverse, robust, and qualified group of professionals to serve the City. Subconsultant selection was based on 1) subconsultants experience with the City; 2) specialized expertise and experience in the industry; and 3) subconsultants working relationship with myself or Kimley-Horn. The result is a team of qualified and experienced professionals with extensive City knowledge. Our team consists of two subconsultant firms, all of which are certified MBE, SBE, or DBE. These firms will contribute meaningful roles as follows:
 - **Chrome Engineering (DBE)**
 - **H2R (SBE/Local Business)**

Kimley-Horn has worked with all of these subconsultants in the past on successful City of Pompano Beach projects. As a result, this Kimley-Horn team brings institutional knowledge with extensive project experience in the City of Pompano Beach.

By selecting our team as your structural consultant, you will experience the Kimley-Horn team's:

- Unique understanding of the City's vision based on in-depth structural design experience in the local area.
- Established relationships and work history with the City.
- Depth of local resources available to complete any task quickly and efficiently.
- Focus on value and stewardship of the project budgets.
- Adaptability during design.
- No ramp up—meaning the City can have the confidence to get us started immediately.

Kimley-Horn has successfully served the City since 2002 and we have demonstrated strong and efficient design and project delivery. We will continue to actively identify and solve critical issues, find reliable and innovative solutions, and provide responsive and cost-effective service all while meeting critical milestone dates on schedule.

We sincerely appreciate the opportunity to present our qualifications to you and look forward to serving as your on-call structural engineering consultant.

Sincerely,

KIMLEY-HORN

Jamea M. Long, P.E.
Project Manager



Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



SECTION 2 TECHNICAL APPROACH

Proposed Technical Approach and Methodology

Continuing services contracts require a different approach from typical project-specific contracts. Each task assigned will need an individualized approach that brings together the necessary disciplines to complete the task. At Kimley-Horn, we realize each task will have its own expectations and our team will work to exceed those expectations.

Our team has served as on-call consultants for many municipalities, CRA's, Counties, and institutions over the years and we understand and have established a general approach and methodology to make every project a successful one. Here are the key characteristics that our team brings to handling continuing service contracts:



- Think Fast as an Extension of the City's Staff.** It's important as your consultant to provide prompt, creative, and effective solutions to the tasks presented in the on-call. In addition to our experience working in the city, we have an abundance of local resources with a very broad range of structural skill sets that helps our team to be nimble and successful.
- Think Big Picture.** We recognize that it is essential to identify what ripple effects each task could have on other aspects of a project, a facility, or the city. It is vital to identify these ripples early on to avoid problems in construction or even problems created after construction is completed.
- Be Innovative.** In each task we like to look for creative, out of the box solutions to allow us to provide the City with the best possible solutions.
- Team with Other Consultants.** Kimley-Horn has qualified subconsultants on this project and they understand the importance of putting their best foot forward for the task assigned. We are committed to providing meaningful work to our teaming partners and rely on them for their experience in both their services, as well as their relationships with City staff. In times where multiple consultants are working for the City simultaneously on the same facility, we are very capable and experienced in working and partnering with these other consultants to deliver and coordinate the best results on each project.
- Provide Community Support.** Community outreach support may be necessary for some tasks. Our team is committed to providing the assistance the City needs to keep the residents knowledgeable about the tasks. We bring experienced public involvement professionals to the City who understand how to deliver sensitive and technical matters to the public and how to gather, manage, and present data to all stakeholders for resolution.
- Be Flexible.** We understand that schedules and projects can change, and we must be prepared to adjust with these changes. We also understand that budgets are a constraint and we will work towards cost effective approaches in design and construction. Our team is available for any size task and we have a scalable team that can adjust to projects of any size and level of complexity.



Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



Project Strategy

Through our experience on similar continuing services contracts, we have developed a strategy for approach to each task assignment. Our strategy includes the following steps:

- Visit the site to understand the field conditions prior to defining the scope.
- Identify and anticipate potential risks including those affecting budget, schedule, and stakeholders; and formulate any necessary early steps.
- Meet to discuss the scope to clearly understand the task and deliverables for the project.
- Create a clear scope for the project based on the meeting.
- Discuss with the City the most cost-effective way to complete the desired deliverables that will meet the project goals and the City's expectations.
- Create a schedule with clearly defined deliverables for each critical milestone.
- Conduct weekly internal project team meetings to keep milestone tasks on schedule – City staff would be welcome to attend.
- Provide the City with regular updates for use on the City's website and communication with internal staff and City leaders.
- Track all design issues and staff members involved to quickly resolve and minimize schedule impacts.
- Complete the deliverables.
- Build the project.

Clearly Define the Challenges and Set Objectives

The Kimley-Horn team will partner with the City to understand each task assignment and work together with open communication to set a plan to meet the objectives of the project with an efficient, constructible, and cost-effective solution. The relationships our team has with the City will enable our team to understand not just the task at hand, but how this task fits into the bigger picture for the City. This will include the identification of stakeholder's positions and objectives, working with groups such as residential communities, advisory boards, local businesses, and local and state agencies. We will also encourage communication between the various City departments and the CRAs to ensure the scope addresses not only the construction of a project, but sustainable operation and maintenance for the City at the completion of the project.

Evaluate the Situation and Develop a Feasible Solution

A feasible project must consider not only the initial cost but project resiliency along with long term operation and maintenance cost. Kimley-Horn will work to understand not only the initial task assigned, but the impacts this project will create for other areas in the City. It's important to start each project by identifying impacts to surrounding areas, constructability concerns (i.e. how can it be constructed while maintaining the facility for public use), and stakeholder concerns. Understanding all of these is essential to provide a quality project for the City and to avoid unnecessary friction with citizens and the business community. We know the City is dedicated to the citizens and community involvement is an important component in determining the overall design program and implementation priorities.





Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



Approach to Assignments

Initial Project Request from the City. Each project task will be initiated by a request from the City. After this request is received, the project manager will reach out to the City's Project Manager for the task within a one (1) business day timeframe to discuss the assignment and project specifics. The team will also make every effort to conduct a field review of the project location to gather any information that would be advantageous during scope development.

Identify Role of Specialty Subconsultant. Should a specific subconsultant expertise be required for an assignment it is important for Kimley-Horn to contact that local subconsultant early in the development phase so they are included in all the preliminary meetings and can participate in the scope, schedule, and fee development. Kimley-Horn utilizes subconsultants that we work well with and have a proven track record of delivering on-time, quality project deliverables. We expect our subconsultants to meet our high standards while performing meaningful tasks for the City.



Preliminary Personnel Assignment. This project has many different types of structural engineering services that could be necessary. While the Kimley-Horn team can do it all, we want to make sure the correct staff is assigned in the beginning of the project to ensure the City gets the best quality product. For example, if you have a building repair to complete, we would not assign an engineer that has mostly bridge experience. It's important that the skill set of the engineer match the project assignment. This also helps in keeping the project on schedule as that engineer would know what regulatory agencies or permitting would be necessary for the assignment. Of course, Jamea will still be your point of contact to start the efforts for the Kimley-Horn team and will keep involved during projects to ensure continuity for the City staff.

Project Status and Plans Review Meetings. It is imperative that our team acts as an extension of the City's staff. To that end, the team will have regular weekly meetings (which the City's Project Manager is welcome to attend). These meetings can include discussion of project progress, scope and status of related work and alternatives. Project issues will also be discussed in these meetings. In addition to these meetings, the City's Project Manager will be kept apprised of all decisions as the project progresses. We have found it helpful to create a design decision matrix for each assignment so that any important decisions are documented in one place. This also helps in case of any project transition should that be necessary (both on the City's side and the Consultant side).

Communication. While meetings are important, they are by no means the only form of communication amongst team members or between the team and the City. Emails, telephone, and web-based communications are a foundation of our corporate culture. These communication methods proved to be key during the recent pandemic. These methods are keeping Kimley-Horn open and operating while simultaneously meeting our project deadlines. Kimley-Horn staff and the community will remain safe, connected, and successful.

Project Schedule and Budget Control

Project schedules are often tied to budgets in fiscal years, as well as critical outside funding sources. We understand that meeting schedules is important. Common causes of schedule delays include developing or changing priorities, dealing with external agencies, and inadequate staffing. We will address these issues at the onset of the assignment to ensure the City has the best resources for the task to complete the project. Kimley-Horn currently works with multiple groups with the City of Pompano including the CRA, City Engineering, and Utility Departments.

Budget. Budget control spans the lifetime of an assignment from scoping to construction. During scoping, we will communicate with the City to ensure that all project goals are identified to avoid supplemental agreements and ensure future phases of the project are considered. Using and keeping appropriate staffing to complete assigned tasks keeps continuity



Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



for the project and goals of the project and it avoids waste on project budgets. Kimley-Horn strives to ensure construction cost estimates to help the City ensure the appropriate funds are available for construction. Our team will continue to work with the City and the Contractor to minimize delays, cost overruns, and potential claims during construction.

Quality Control Review. Kimley-Horn understands the start of quality begins with providing quality deliverables at all stages. Quality is built into the design and services provided to the City and not an add-on. We understand that quality products reduce project delays and costs. Our approach follows a quality control plan (written specifically for the City), engages the review staff as decisions are made, and keeps the same people involved with the project. Kimley-Horn will identify a project-specific file transfer method to facilitate the QA/QC process and to simplify sharing of information between project team and the City. Quality control extends beyond ensuring plans and reports are grammatically correct and previous comments have been incorporated. Our QA/QC process looks at the engineering decisions to make sure they are based on sound judgement and to confirm that the constructability of the project is also properly addressed. Making sure to have an inter-discipline review is also part of our QA/QC process. Specific staff have been identified to act as quality reviewers for each structural discipline to ensure that each deliverable meets your expectations.

Ability to Act Fast. We understand the importance of responsiveness. The City will get the resources necessary to complete the tasks assigned. We empower our staff to make decisions with appropriate oversight. We have internal team meetings to keep tasks moving in the right direction and to avoid wasted time on projects. Common file structures for all projects ensure that the staff and City can have access to information in a timely fashion. This team has members well versed in many different areas which allows the City to work with similar individuals to ensure subject-matter experts are always available on short notice. We encourage frequent communication between team members through use of brief, daily task updates for each assignment.

All of the team members we have assembled for our core team—including subconsultants—are located in South Florida. We are available by phone at any time and since we are located close to the City, we can be to you within a matter of minutes. Our West Palm Beach-based team is readily available to hit the ground running on your projects. As a trusted on-call consultant for municipal, and private-sector clients throughout the country, Kimley-Horn maintains an effective and accurate accounting of projected staff hours for up to a six-month time period. We know at any given moment what our availability is, and because we have access to the resources of 16 offices in Florida and 90 offices nationwide, we can assure you that we have the required resources for any task at any time.



The Kimley-Horn team is well suited to manage and administer the City's projects. We are prepared to commit the necessary resources to ensure the success of your efforts. And with our tremendous stable of diverse local resources and experienced subconsultant partners, we have unequalled ability to staff efficiently for any assignment the City provides under the Structural Engineering Services contract.



SECTION 3 SCHEDULE

Schedule

We can begin work immediately and we will work with the City to develop a schedule based on the requirements of the individual task and will be able to begin work upon signed authorization.

Sample Project Schedule

Months	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1. Preliminary Design Phase																	
A. Data Collection	◆																
B. Analysis		◆															
C. Preliminary Design Alt.			◆														
D. Cost/Benefit Analysis				◆													
E. Public Involvement				◆													
2. Final Design Phase																	
A. Final Design					◆												
B. Permitting						◆											
C. Public Involvement							◆										
3. Construction Phase																	
A. Bidding Services									◆								
B. Construction Services										◆							
C. Construction Certification																	◆

◆ Milestones

Current Workload

The members of our project team were selected using two criteria: (1) their experience with similar projects and (2) their availability to assume major technical responsibilities within your project schedule. Kimley-Horn's proactive management system, known as "cast-aheads," is used to detail every project's personnel needs and also to determine each staff person's availability. By continuously matching project needs with staff availability, our cast-aheads system is an accurate tool for keeping our projects on schedule.

Kimley-Horn's vast resources will allow us to assign the appropriate engineering, technical, and support staff to complete your projects on schedule and within budget. The percentages shown here represent our availability commitment of key staff chosen to work with the City on these important projects.

Based on a review of our cast-aheads, we can assure you that the staff members selected for this team are available immediately to serve you and are in an excellent position to handle the workload of any assignment you wish to give us.



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SECTION 4 REFERENCES

Kimley-Horn is proud of the relationships we have developed with our clients, and much of our success over the last five decades is directly related to our efforts to perform high quality, timely services for all of our clients. The client references provided below are for projects similar to the City of Pompano Beach Continuing Contract for Structural Engineering Services. We invite you to contact our references; these individuals will tell you that we listened to their needs, met their schedules, accomplished their missions, and delivered results.

Project: McNab Road Over Cypress Creek (C-14) Bridge Replacement and Terra Mar Drive over Spanish River Bridge Rehabilitation Projects

Cost: \$12.2 million budgeted through G.O. Bond

Responsibilities: Design and consulting services for two separate bridge projects within the City as part of the current G.O. Bond. The project at McNab Road includes the full replacement of the existing bridge and relocation of existing utilities. The proposed bridge will incorporate aesthetic features appropriate to the surrounding areas.

Contact Information: Fernand Thony, Engineering Projects Manager
City of Pompano Beach
fernand.thony@copbfl.com
954.928.5248

Project: Atlantic Boulevard Bascule Bridge Improvements including Decorative Sails and Lighting

Cost: \$1.5 million

Responsibilities: Kimley-Horn designed a replacement traffic railing to improve safety and aesthetics, as well as an under-bridge walkway to improve pedestrian access to the water. Kimley-Horn obtained all permits for the project through coordination with FDOT, USACE, FDEP, the City, and SFWMD.

Contact Information: Horacio Danovich, R.M.A.
Director of Engineering Services for Pompano Beach Community Redevelopment Agency (CRA)
horacio.danovich@copbfl.com
954.786.7834



Project: Berth 1 Bulkhead Replacement

Cost: \$1.5 million

Responsibilities: Analysis, design, and construction document development of this bulkhead replacement at the Port of Palm Beach. Kimley-Horn was also responsible for development of a fast track construction phasing and sequencing plan to minimize impacts to Port operations on adjacent berths, shore power stations, and water box design.

Contact Information: Ronald Coddington, P.E.
Port of Palm Beach
rcoddington@portofpalmbeach.com
561.383.4133



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Project: Mercy Hospital Seawall and Loading Dock Replacement

Cost: \$5 million

Responsibilities: Kimley-Horn provided design, planning, bidding, permitting, and construction phase services for this \$5-million project. This project includes strengthening by replacement of 2,000 feet of seawall along the perimeter of Mercy Hospital's property in Miami. The construction tasks for this project include steel sheet pile installation, tie rod installation between existing wall and new wall, concrete cap placement, backfill and site grading.

Contact Information: Russell Maass
HCA Healthcare
russell.maass@hcahealthcare.com
615.344.9551

Project: Turnpike Widening Design from Boynton Beach to Lake Worth (including 4 bridge replacements and a canal crossing)

Cost: \$176 million

Responsibilities: 4 bridge replacements and the relocation of 2,500 feet of the Lake Worth Drainage District canal, right-of-way acquisition, new toll plaza buildings, overhead signage, pavement markings, signalization, lighting, landscaping, ITS plans for relocating SunNav fiber optic facilities, utility coordination, barrier wall design, and complex traffic control analyses and plans.

Contact Information: Andrew Healy, P.E.
FDOT
andy.healy@dot.state.fl.us
407.264.3401

List of Projects Performed for the City of Pompano Beach

Kimley-Horn

- Atlantic Boulevard Bridge Improvements and Streetscape
- Continuing Contract for Transportation Engineering Services for Various City Projects
- WA #7 NW 2nd St Feasibility
- WA #6 Airport Access Road
- WA #8 SE 11th Bridge Plans
- WA #5 N Riverside Drive
- WA #4 Taxiway Delta
- McNab Road Design Support
- McNab Streetscape Improvements
- NE 33rd Streetscape Improvements
- NW 2nd Street and 31st Avenue
- PB Planning WA# 4 Pompano Station
- PB WA #4 Oceanside Lt
- PB Planning WA #5 Harborside at Hidden Harbour



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- Continuing Engineering and Consulting for Municipal Air Park, including:
 - Relocation of Taxiway Kilo and Construction Phase Services
 - Runway 15-33 Rehabilitation, Expansion, and Construction Phase Services
 - Air Park Wildlife Assessment Study
 - Standby Diesel Engine Drive for High-Service Pump #6
 - PMP Taxiway D Reconstruction
 - PMP Airpark Obstruct Perimeter
 - Airport Zoning and Airspace
 - PMP Taxiway D CPS
 - PMP ALP Update
 - PMP TV G Grant Assistance
 - Airspace Study Checklist
 - Air Park Maintenance Storage
 - Pavement Phase 2
 - Airspace Study Checklist
 - Airspace Study Dog Park
 - Pompano Taxiway Fillet
 - Helicopter Landing Area
 - PMP Aquatic Airspace Study
 - Runway 15 Obstruction Survey
 - Pompano Airpark Main
 - Taxiway Pavement
 - Pompano Air Park Business Plan
 - Pompano Air Park Runway
 - PMP Driving Range Airspace
- East Transit Oriented Corridor (ETOC) Transportation Analysis
- Lyons Park Sanitary Sewer Rehabilitation
- Complete Streets
- Downtown and Martin Luther King Blvd.
- 19355 Dixie Highway Improvements
- Lane Elimination
- North East Force Main Installation
- Pompano Beach Lane Elimination
- 11th Avenue Bridge Report
- Fairfield Reservoir
- Atlantic One
- Pompano CRA
- Knox Farms PH 2
- Survey Golf Course Update
- Survey Support Services
- Gopher Tortoise Relocation



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- Magnetic Heading Verification
- RNAV Checklist
- Water Treatment Improvements
- Employee Parking Lot Expansion
- Diesel Engineering
- Northeast Force Main Install
- Hidden Harbour Marina



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SECTION 5 PROJECT TEAM FORM

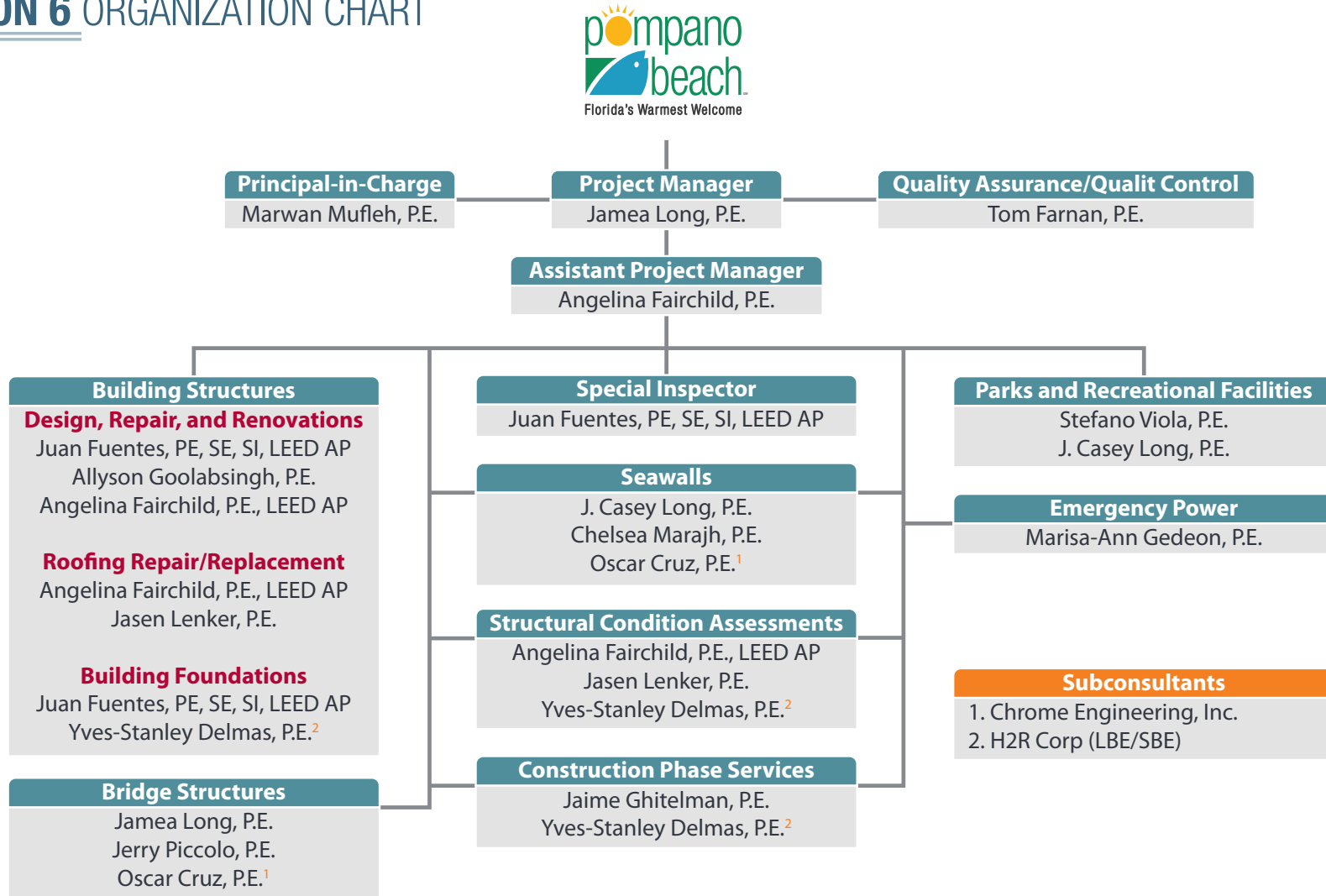
The Project Team Form is uploaded as a separate attachment.



Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



SECTION 6 ORGANIZATION CHART





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SECTION 7 STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM

Statement of Skills and Experience of Project Team

Firm Overview

Kimley-Horn is a full-service, multidisciplinary consulting firm offering a broad range of engineering, planning, and environmental services to clients in both the public and private sectors. Kimley-Horn was founded in 1967 and has provided engineering design services for dozens of municipalities in Florida.

The members of our project team were selected based upon their experience with a variety of structural infrastructure projects of similar scale and complexity and their availability to assume major project responsibilities on this contract. Our team is not focused on short-term results. We are committed to continuing a long-term, successful relationship with the City founded on trust, respect, and teamwork. Kimley-Horn is an employee-owned firm structured to attract and retain design professionals who are highly-skilled and dedicated to client service. This client-service mindset has been the hallmark of our growth over the last 53 years.

Local structural design staff based in West Palm Beach, Miami and Fort Lauderdale will be responsible for the management and production of your project with the support from local Pompano-Beach-based subconsultants. With almost 300 professional and support staff in Fort Lauderdale, Miami and West Palm Beach combined, plus more than 500 additional staff across Florida, Kimley-Horn has more than enough staffing resources and availability to meet the City's needs. The following section outlines our team's skill and experience on similar engineering disciplines and projects those that may be required by the City of Pompano Beach's Continuing Contract for Structural Engineering Services.

Subconsultants



H2R Corp. H2R provides geotechnical engineering, foundation testing and inspection, subsurface exploration and drilling, specialty construction support and verification, materials testing and inspection services, and CEI support services throughout Florida. *H2R Corp. is located in Pompano Beach.*



Chrome Engineering, Inc. was founded by Mr. Oscar J. Cruz, in 2018 as a local engineering company with the objective to provide structural design consulting services for the multiple ongoing and planned projects within their area. They are prequalified to provide structural engineering services with the Florida Department of Transportation and Miami-Dade County. They are also listed as an FDOT Small Business Firm and are a certified Disadvantaged Business Enterprise (DBE) with the State of Florida as well as certified as a Small Business Enterprise (SBE) with Miami-Dade County. Their structural engineers' experience includes the successful participation in projects for all FDOT Districts, including the Florida's Turnpike, as well as for the Miami-Dade Expressway Authority (MDX), Miami-Dade County, Broward County, Collier County, Pinellas County, City of Doral, City of Miami Gardens, City of Hialeah, City of Miami Beach among many others. Their current staff includes three Florida Registered Professional Engineers and two structural designers, with a combined experience exceeding 150 years and hundreds of successful projects built within schedule and budget. *Chrome Engineering is located in Broward County.*

Municipal Buildings

Structural engineering has been a specialty discipline at Kimley-Horn in Florida for more than 40 years. Kimley-Horn offers expertise in design, construction observation, and evaluation of a variety of buildings. Our experience has been enhanced with **Allyson Goolabshingh, P.E.** and **Juan Fuentes, P.E., SE, SI, LEED AP** who specialize in vertical structure design. Their experience includes multilevel structures exposed to seismic and wind loads. Their intimate knowledge of local, state, and national design codes provides efficient design solutions for concrete, steel, wood, and masonry structures.

Both Allyson and Juan have extensive experience in structural municipal building design. From fire stations, emergency operations center, maintenance facilities and police stations, our team understands the nuances of municipal building design.



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Flexibility is key for a municipal building. The maintenance building may need to be repurposed as an office building ten years after its construction or vice-versa. A municipal building benefits by being designed as an enhanced facility. A structure designed to higher wind speeds allows the building to safely harbor people and equipment in a storm event. The enhanced facility allows the City to be ready to help its citizens once the storm passes.

Pines City Center Phase 1B P6

Pembroke Pines, Florida

Two story 40,000 square foot retail building structurally designed for maximum flexibility. The project utilizes open web steel joist, structural steel framing, composite steel floor framing, infill masonry, and shallow foundations. The project floor framing was designed for 100 pounds per square foot and oversized stairs which allows the owner the flexibility to utilize the building for assembly, retail, office, or medical uses.

Kimley-Horn is the structural engineer of record and Threshold Inspector. The project has unique architectural features such as cantilevered northwest corner, curved masonry wall, and iconic wing wall.



Coral Springs Public Safety Training and Technology Center

City of Coral Springs, Florida

As part of personal design experience, this project is a \$3.9 million, two story, 30,000 sq. ft. Training Center with attached apparatus bays. The project used an open web joist system for the floor structure that required an in-depth vibration analysis. The joist system is supported on a combination of interior steel girders, steel and concrete columns, load bearing masonry walls, and shallow foundations. The facility serves as a part of the Coral Springs Fire Department training site. The building provides student classrooms, lab, café, and locker room.





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Bridge Engineering

Our experienced bridge design staff has already encountered—and surmounted—just about every challenge your project could throw at them. Difficult site conditions and geometry. Unusual geotechnical underpinnings. Simultaneous construction schedules. We can provide creative solutions that cost-effectively meet the demands of your site and schedule using precast, prestressed concrete; structural steel; curved steel; cast-in-place segmental construction; and cast-in-place post-tensioned construction.

Hundreds of municipal bridges across the U.S. bear our imprint: canal, river and stream crossings, highway overpasses, railroad crossings, and pedestrian walkways. Our multidisciplinary expertise spans both roadway and bridge engineering—from planning and surveys through design and construction administration—successfully integrating the full range of each site's demands. Our project goal is simple: make each bridge project an outstanding success.

Bridge Inspection and Rehabilitation

FDOT District's One, Two, Three, Four, Five, Six, and Seven have relied on Kimley-Horn's bridge inspection and bridge scour analysis experience to support their bridge maintenance programs statewide. Our experience across Florida has provided us the opportunity to become extremely familiar with a variety of bridge types and construction techniques, as well as federal guidelines and regulations regarding bridge scour, maintenance, and rehabilitation. Our focus throughout any project is to look for cost-effective, innovative ways to get each design and construction job done quickly, accurately, and cost effectively. Our goal is to satisfy your needs with the best alternative. We evaluate each alternative as if we were spending our own money.

Bridge and Roadway Approach Design

Roadway design is one of the mainstays of our firm's professional practice. Collectively, our engineers have been responsible for the design of more than 3,000 miles of roadway nationwide. We have provided these services for urban, rural, primary, secondary, and interstate roadways for clients ranging from small municipalities to state departments of transportation. We are well equipped to address all related aspects of roadway design projects such as intersection geometrics, utility relocations, traffic control, signalization, and other features. Paving and drainage services are an integral part of our bridge and roadway design projects, and our substantial experience in dealing with regulatory and other agencies enables us to secure the necessary permits and approvals for building and upgrading roadway facilities. In addition, Kimley-Horn has provided construction administration services on hundreds of miles of urban and rural roadways for projects ranging from limited-access arterials to collector facilities for counties, cities, and state departments of transportation. Construction phase services include cost estimating, pre-bid services, and construction administration/observation.

Bridge Design and Construction Plans

After a hard day managing crews under a hot sun, the last thing you want to hear is that the contractor thinks there's a design issue. We agree. That's why we will provide quality construction plans that are designed to meet all local, county, and FDOT standards—the standards your contractors understand. We will apply our own detailed and specific quality control procedures to each bridge design effort to make sure the plans are as thorough as possible. And our key team members have inspected so many bridges across Florida that we know what can go wrong and design to avoid it. Clients say we're so accurate that there aren't many change orders—so thorough that there are few surprises in the field, and so clear that contractors don't have trouble understanding what they need to do. If your bridge design poses special requirements, we will satisfy them, too—whether you want a traditional design to match a historic setting or a planter wall to provide a specialty landscape feature.



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Atlantic Boulevard Bascule Bridge Improvements including Decorative Sails and Lighting

Pompano Beach, FL

Kimley-Horn served the City of Pompano Beach with CSA Architects and Burkhardt Construction to incorporate safety and aesthetic improvements to this 400-foot bascule bridge over the Intracoastal Waterway. Kimley-Horn designed a replacement traffic railing to improve safety and aesthetics, as well as an under-bridge walkway to improve pedestrian access to the water. The project involved the design and construction of enhancements to the bridge façade, tender house, traffic railings, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on bridge façades, land-based lighting, and a pedestrian esplanade under the bridge connecting restaurants and buildings from the south to the north. The design-build team was responsible for complete design, permitting, and coordination with FDOT. Kimley-Horn obtained all permits for the project through coordination with FDOT, USACE, USCG, FDEP, the City, and SFWMD. The project created a signature gateway within the City's Beach district.



McNab Road Over Cypress Creek (C-14) Bridge Replacement and Terra Mar Drive over Spanish River Bridge Rehabilitation Projects

Pompano Beach, FL

Kimley-Horn is currently serving the City of Pompano Beach to provide design and consulting services for two separate bridge projects within the City as part of the current G.O. Bond. The project at McNab Road includes the full replacement of the existing bridge and relocation of existing utilities. The proposed bridge will incorporate aesthetic features appropriate to the surrounding areas. Kimley-Horn is leading permitting of this project, including USCG, SFWMD, and Broward County. Improvements at Terra Mar Drive include repairs to the existing bridge and seawalls to address deterioration. The design at this location also includes upsizing the existing water main along Terra Mar Drive and incorporating aesthetic features. Our project team is providing structural, architectural, roadway, permitting, utility adjustment, and geotechnical services for both projects.

SR 992/SW 152nd St. (Coral Reef Dr.) over the C-100 Canal, FDOT District Six

Miami-Dade County

Kimley-Horn was responsible for the rehabilitation and retrofit of an existing 3-span, PC/PS concrete slab unit bridge crossing the C-100 Canal. The existing bridge utilized non-composite slab units placed side-by-side with an asphalt topping. Over the years, through milling and resurfacing operations, the asphalt thickness had increased 2-3 times the original maximum design thickness in several locations. In addition, differential movement between adjacent slab units resulted in



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full-depth longitudinal cracks in the asphalt along the length of the bridge causing distress in the asphalt and allowing rainwater and debris to seep through the bridge in multiple locations, increasing the frequency and cost of long-term maintenance. As part of the project, the bridge was converted to a composite bridge by removing the asphalt overlay and replacing it with a cast-in-place reinforced concrete topping slab. Reinforcing dowels were installed into the top of the existing slab units to ensure composite action. In addition, expansion joints were replaced at all supports, concrete traffic railings were reconstructed to the latest FDOT Standards, and new ADA compliant sidewalks with aluminum pedestrian railings were reconstructed along each side of the bridge.



CR 475 Bridge over Jumper Creek

Sumter County, FL

Kimley-Horn designed a new three-span bridge utilizing PC/PS Florida Slab Beams (FSBs) to replace the existing five-span, cast-in-place flat slab bridge. Improvements include milling and resurfacing, structural design, permitting, and construction phase services. Since FSBs were recently developed by FDOT and only available as Developmental Design Standards, close coordination with FDOT Central Office was required to obtain standards and specifications for use on this project.



Midway Road Bridge over North Fork of the St. Lucie River, FDOT District Four

St. Lucie County, FL

Kimley-Horn designed a new 3-span bridge over the St. Lucie River. The project involved the widening of an existing undivided two-lane roadway to a divided four-lane urban roadway. The new bridge utilizes precast/prestressed Florida-I beams with span lengths set to accommodate the future typical section. The bridge typical section allows for travel lanes, buffered bicycle lanes, and sidewalks/shared use paths. Phased construction will be used to allow for the removal of the existing bridge while maintaining existing traffic.



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Glades Road Exit Ramp over Lake Worth Drainage District Canal, Florida's Turnpike Enterprise

Boca Raton, FL

As part of Kimley-Horn's design services for the Turnpike All-Electronic Tolling 5A conversion from I-595 to south of the Lantana Toll Plaza, we designed a new two-lane northbound exit ramp structure over the Lake Worth Drainage District Canal and added a right-turn lane onto Glades Road. The bridge is a three span continuous cast-in-place concrete flat slab supported on concrete pile bents with 18-inch precast prestressed concrete piles. Design services also included a retaining wall.



Flagler Memorial Bascule Bridge Replacement Design-Build Criteria Package and Construction Phase Services

FDOT District Four, West Palm Beach

Kimley-Horn developed design-build criteria package for replacement of the existing four-lane bascule bridge across the Intracoastal Waterway and subsequently provided postdesign services during construction. Our team designed the approach roadways, drainage systems, and construction phasing traffic control plans to 90% and included concept development of signing/markings, signalization, lighting, structures and landscape plans. The scope also included extensive public involvement, permitting, and utility coordination efforts. The new bridge is 1,800 feet long (made shorter by the use of retaining walls at one end) and touches down at a new signalized intersection with Flagler Drive. The new bridge includes special traffic barriers, decorative pedestrian railings and light poles, and customized architectural and landscape features.



US 1/Jupiter Bascule Bridge Replacement

FDOT District Four, Jupiter

Kimley-Horn was retained by FDOT District Four to conduct a PD&E study for bascule bridge no. 930005 in Jupiter. Our team evaluated the following alternatives: 1) Bridge rehabilitation; 2) high-, mid-, or low-level replacement, and various alignment alternatives that include consideration for temporary bridge, full bridge closure, and phased construction with temporary traffic using the existing bridge. Each alternative evaluated bringing the bridge up to FDOT standards and includes options to accommodate pedestrian and bicyclists. The study effort also included a complex public involvement component and public hearing. Subsequent to the selection of the preferred alternative of a higher, wider bascule bridge with bike lanes and sidewalks, Kimley-Horn was selected by design-build firm constructing the new bridge to provide roadway design, lighting, and public involvement support.





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Seawall Repair, Reconstruction, and Replacement

Kimley-Horn offers expertise in seawall, breakwater, bulkhead, revetment, pier, and jetty design and permitting; marina planning, design, and permitting; beach nourishment and erosion control projects; dredging; hydraulic modeling; and general marine and coastal construction. Our bulkhead and seawall design and inspection includes several projects in Palm Beach, including the repair of 900 feet of ocean seawall, toe wall construction and bulkhead improvements, refurbishing an existing ocean bulkhead, and constructing 770 feet of new ocean bulkhead. We also evaluated the structural condition and repair requirements of 3,600 feet of aged ocean seawall in Palm Beach and recommended some immediate repairs and long-range inspection procedures. The firm has also designed intracoastal and Oceanside residential seawalls. We have provided coastal engineering services to the Breakers Hotel in Palm Beach on an as-needed basis for almost 35 years.

The Bristol

West Palm Beach, FL

The design of this project consists of a post-and-panel cantilevered concrete sheetpile wall to replace a similar tie-backed system. Total length of the wall is approximately 750 linear feet, with a maximum exposed height of 8 feet. Design challenges include connection to adjacent seawalls, the presence of an existing outfall that must be maintained, scour considerations, and permitting by both SFWMD and USACE.





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9 Island Avenue Seawall

Miami Beach, FL

Kimley-Horn performed an above and below water condition assessment of the 623-LF concrete post and panel seawall on the east side of the 9 Island Avenue. Our team also performed a timber marina assessment following Hurricane Irma - which was severely damaged during the storm rendering it inoperable and unsafe.

Services provided included a visual and tactile level 2 seawall inspection in accordance with the guidelines of ASCE Practice No. 130; timber marina damage assessment; repair plans, specifications, and opinion of probable cost for repairs to the seawall and total replacement of the timber marina.

Permit assistance and construction phase services were also provided. They included meetings with the City of Miami and DERM, routine site visits to observe construction progress and review conformance with construction documents as well as produce field reports, review payment applications from the contractor, respond to RFI's and review change orders.



Town of Palm Beach Coastal Structures

Palm Beach, FL

Kimley-Horn has served as a consultant to the Town of Palm Beach for several decades, including numerous structural improvements and replacements to several seawalls throughout the Town's limits. Kimley-Horn was selected by the Town of Palm Beach to prepare improvement designs that would raise the height of the lakeside bulkhead at Seabreeze Avenue, Seaspray Avenue, and Primavera Way to match the height of the adjacent private seawalls, while addressing seepage issues that occurred during periods of extreme high tides.





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Fisher Island Ferry Terminal

Miami, FL

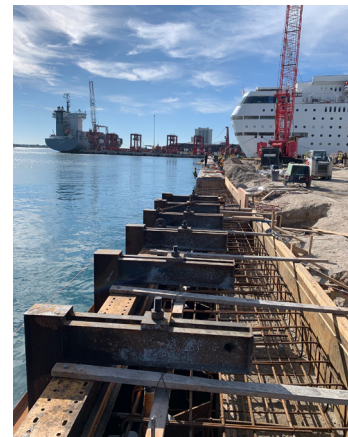
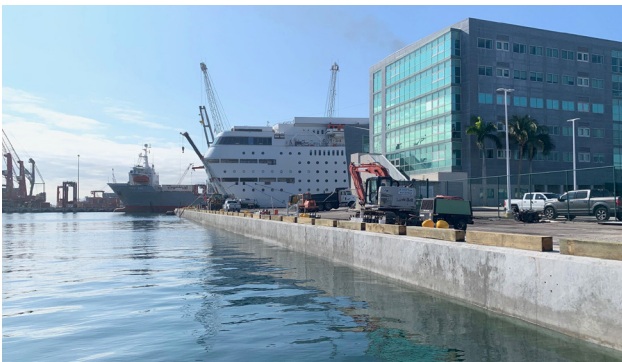
Kimley-Horn was responsible for the design and plan preparation for the modifications and permitting of the seawall extension adjacent to the ferry landing on MacArthur Causeway. The seawall is part of a larger project that includes site development, a new service road, and parking access. Kimley-Horn was retained by Fisher Island Community Association for the proposed development of a parking garage and improvements to the existing ferry terminal vehicle loading/unloading area. Kimley-Horn developed various alternatives for the ferry terminal vehicle loading area aimed at facilitating the egress of the vehicle from the loading area and their access to MacArthur Causeway. As part of the design process, the Florida Department of Transportation and Kimley-Horn worked closely to evaluate each option working towards a set of full construction plans inclusive of driveway modification plans, drainage plans, and a traffic signal modification plan. The selected option involved realignment of the egress road, which also triggered a modification to an existing seawall and required permitting. The design of the access drives and seawall extension was closely coordinated with a second existing ferry to allow the connection of the access drive to the ferry loading area.



Berth 1 Bulkhead Replacement

Port of Palm Beach, FL

Responsible for analysis, design, and construction document development for upland paving with a bulkhead replacement to -35 ft. dredge depth. Responsibilities also included development of a fast-track construction phasing and sequencing. The slip uses a steel sheet pile wall with a drilled soil anchor tie back system and a concrete cap. At 450 ft. long, this replacement project is a major addition to solve the Port's berthing long-term needs.





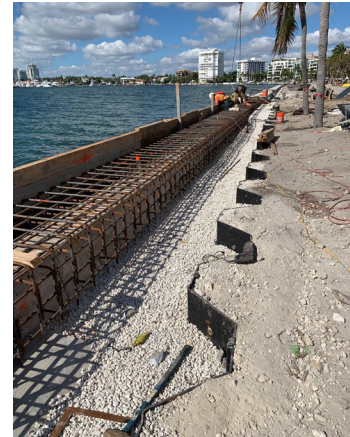
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Mercy Hospital Seawall and Loading Dock Replacement

Miami, FL

This project includes strengthening of 2,000 feet of seawall along the perimeter of Mercy Hospital's property in Miami. The construction tasks for this project include steel sheetpile installation, tie rod installation between existing wall and new wall, concrete cap placement, backfill, and site grading. This project also includes the construction of a new landing dock for rescue vessels adjacent to the seawall. Kimley-Horn provided design, planning, bidding, permitting, and construction phase services for this \$4-million project.



Parks and Recreational Facilities

Our firm has successfully completed numerous parks and recreation-oriented projects for federal, state, regional, and local government clients and for many private developments as well. The landscape architects engineers comprising our parks team have relevant planning and engineering experience and are ideally suited to meet your needs. On recreation-related projects, we have provided complete site development engineering services, landscape architecture, surveying, and traffic engineering services.

Siesta Beach Park

Siesta Key, FL

Kimley-Horn worked with Sarasota County for the implementation of this \$21-million project. Construction started in fall 2013 and opened February 2016. Construction was carefully sequenced to minimize interruption during peak tourist season. Services included programming, park design, landscape architecture, civil engineering, construction documents, and permitting for this high-profile park project. Design components included "site design" enhancements; a beachfront esplanade to connect key park components; improved traffic circulation and parking; high-quality, indigenous architecture; beautification consistent with a "world class" beach park; phasing and effective implementation while keeping the park open; wayfinding signage; environmental permitting; sustainable design to respect the environment and wildlife; and LID/LEED design solutions.

Key park features include:

- Beachfront esplanade
- New concession/restroom facility
- Renovated historical restroom





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- Playground with dedicated play areas for 2 to 5 and 5 to 12 year olds
- Picnic area
- Florida-friendly landscaping
- Pervious concrete parking lots



OB Johnson Park

Hallandale Beach, FL

This 6.4-acre park in Hallandale Beach Park was part of the City-wide park master plan that set forth a program to enhance 13 of the City's parks and recreation areas in support of community-wide goals and neighborhood needs. As part of the development, the park included a 42,000 square foot multigenerational facility that included a teen center, indoor basketball courts, after school and senior programming, exercise room, administrative offices, and other accessory uses for computer and dance classes, food distribution, and other programming for all ages. The exterior park amenities included a walking trail, playground, tennis courts, a field house, and a football/soccer field. Additionally, the park improvements included a centrally located surface parking lot, site infrastructure, and landscaping.

***This is a LEED Gold certified project*.**



Kimley-Horn provided master planning, landscape architecture, engineering design and permitting services, as well as construction observation and administration.

Welleby Park Expansion

Sunrise, FL

The City of Sunrise retained Kimley-Horn for improvements to Welleby Park located at NW 44th Street and Hiatus Road within the City of Sunrise. As part of the project the City will incorporate a former FPL owned property located northwest of the developed park property. The existing building and outdoor storage yard will be demolished, and the site will be improved with park amenities as identified by a park masterplan prepared by another consultant. The City has identified a park program comprised of the following: additional parking, grading and drainage improvements, dog park facilities, a stand-alone restroom building, completing an off-street loop for the park trail system, playground area improvements, relocating a sand volleyball court, a new 'safety town' play feature, an 800-SF addition to the existing park community building as well as a reconfigured patio space, and a boardwalk at the lake edge to replace portions of existing chain link fence. Attendance at one public information meeting will be required of the design team, as well as limited construction phase services. Kimley-Horn will provide conceptual design for two options for the park redevelopment to be presented at a public presentation meeting. Our team will refine the concept design and prepare design plans, including paving and drainage plans, utility plans, and signing and marking plans. The City has indicated a construction budget of approximately \$2,700,000 for the proposed improvements.



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Trust for Public Lands Parks Projects

Various Locations, Panhandle, FL

Kimley-Horn is part of a consulting team producing four new parks in Panhandle communities that will improve access to Gulf Coast waterways, improve recreation in those towns and cities, and support tourism to the coast for generations to come. Our team is providing structural engineering design and park master planning for the Captain Leonard Destin Park, Island View Park, Innerarity Point Park, and Lynn Haven Bayou Park and Preserve. Captain Leonard Destin Park will offer the City of Destin's its first splash pad, picnic pavilions, educational opportunities for the adjacent schools, a playground, preservation of the existing heron rookery, access to the beach, a dock with a canoe/kayak launch, an improved seawall, pervious parking areas, circulation improvements, and a model of the seine boat captained by Leonard Destin. Island View Park will include a parking area, seating areas, a boardwalk along the shoreline, and safety improvements to US Hwy 98 including a right turn lane and an improved driveway access. Innerarity Point Park will include a new dock with canoe/kayak launch, an overlook deck with bench seating, a two-story treehouse overlooking sweeping views of the waterway, several small open-air picnic pavilions, playgrounds, picnic/gathering pavilions, restroom facility, pervious concrete within parking areas, and a boardwalk. Lynn Haven Bayou Park will include large gathering structures, an outdoor classroom, a two-story screened-in bay/bayou overlook, seven open-air picnic pavilions, a natural playground, beach areas along the bay, a fitness trail loop, disc golf course, a bayou boardwalk, and wildlife viewing areas. These projects incorporated ADA accessibility as a key element in the design of the parks. In each park, environmental aspects were taken into consideration to preserve the natural elements, while enhancing community enjoyment.

Special Inspector

Kimley-Horn's reputation is built on quality assurance from design through construction. From drafters following green, blue, orange back check procedure to our administrative staff transferring shop drawing corrections, everyone is empowered to make sure information is correct. We pride ourselves on making quality assurance part of our culture to ensure the highest possible level of service for our clients. To help ensure we deliver on this promise during construction, our approach is twofold- utilize the latest technology available to expedite and resolve any field issues and provide field representatives who have sufficient knowledge and experience.

Our construction observation team is led by Mr. Juan Fuentes, PE, SE, SI, LEED AP, a seasoned field representative with over twenty years of field experience. Juan's experience ranges from small private sector projects to large and complicated public projects. He leads a team of structural designers who reinforce their field experience through his eyes and knowledge. We strive to utilize the same staff for design and site visits since they will know what is unique about the structure and if anything should be closely examined and when.

Our construction quality assurance is further enhanced by using of the latest technology. We have innovated the use of Ipad's during site visits; evolving the manner to document deficiencies, field notes, and photos. If a field issue arises that requires immediate solution, our design staff is available through Microsoft Teams video conferencing to provide their insight and knowledge. This helps resolve an issue as quickly as possible and make delays a thing of the past.



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SECTION 8 RESUMES OF KEY PERSONNEL

To best serve the City of Pompano Beach Kimley-Horn has organized a core team of practiced professionals to provide a high level of responsiveness to the City, both in terms of exceptional local interaction and support, and extensive technical experience in the disciplines you require. We believe our project team will be your greatest asset. Our project team is as critical to the project's success as the design approach. ***The skill and dedication of the team assembled for this project has unmatched experience working in the City of Pompano Beach and possess a thorough understanding of project elements, from the design and permitting to final construction.***



Jamea Long, P.E.

Project Manager

Relevant Experience

Dixie Highway Flyover Design-Build – SR 811 (Dixie Highway) over FEC Railroad and Hillsboro Canal, FDOT District Four, Deerfield Beach –

Senior designer structures and retaining walls and structural task manager responsible for the substructure of eight-span continuous steel box girder bridge. Responsible for quality control of a fourspan Florida-I beam girder bridge over the Hillsboro Canal.

I-75 Managed Lane Project (Segments A&B) Design Build, FDOT District Four –

Serves as project manager for the firm's services for this design-build project as a subconsultant to another firm. Responsibilities include structural plans for two steel box girder bridges, four precast/prestressed concrete beam bridges, and all retaining walls, toll gantries, and overhead sign structures. We will also provide signing and pavement marking plans, ITS plans, and post-design and construction phase services.

Fenton Street Overpass/Orange County Permit Project, Orange County

Structural engineer for the design and plans production of a four-lane, divided urban facility from south of International Drive to Palm Parkway. This project also included the design of a five-lane, urban section from Lake Street to Fenton Street (Street B); a bridge design for an overpass across I-4; and the reconstruction of the International Drive intersection and Palm Parkway. The overpass across I-4 was designed to set up for a future diamond interchange at Wildwood (Fenton Street) and the future, ultimate I-4 typical section. The bridge is a two-span structure with continuous steel plate girders with each span being 225 feet for a total of 450 feet. Because the bridge construction crosses FDOT right-of-way, the bridge plans were reviewed and approved by FDOT and Orange County and an Airspace Agreement was negotiated between the FDOT and Orange County. Traffic control plans were developed for the phased bridge construction while maintaining traffic on I-4.

Pedestrian Bridge over Palmetto Avenue Extension (overpass for Veronica S. Shoemaker Boulevard), Fort Myers –

Served as structural engineer for the design, construction documents, and bid assistance for the Pedestrian Bridge over Palmetto Avenue Extension in Fort Myers. The firm provided services for a 120-foot-long by 14-foot-wide single span pedestrian bridge. This included evaluating up to two concepts for the bridge structure and two concepts for the retaining wall approaches. As an option to a concrete bridge our team evaluated the use of a pre-manufactured enclosed truss as a cost-effective alternative.

Bridge Cleaning, Painting and Repairs – SR 136/SR 47/SR 49/SR 20 over Suwanee River and Santa Fe Rivers, FDOT District Two –

Served as structural engineer for the cleaning, painting and repair of four steel girder bridges located in three separate counties in District Two. Project includes: cleaning and painting of steel girders, bearings, and H-piles; repair of steel H-piles; replacement of existing pile jackets; shimming of existing bearings requiring bridge jacking operations with live load; joint repair and replacement; repair of existing riprap; concrete spall repair; concrete restoration by shotcrete application; and MOT operations.

Widening Florida's Turnpike from North of Glades Road to North of Atlantic Avenue, Florida's Turnpike Enterprise, Broward County –

Serving as structural engineer for Kimley-Horn's design services to widening the Turnpike from six to eight lanes. Work will include stabilizing the Lake Worth Drainage District E-2W canal bank to support the project's widening needs, replacing the Yamato Bridge over the Turnpike, widening the Turnpike bridge over Clint Moore Road, replacing the bridge over the L-38 Canal, noise barrier design, lighting design, signing and pavement markings, and utility

PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, University of Florida, 1997

Professional Engineer in Florida, #58677, June 20, 2002

American Society of Civil Engineers (ASCE)

SPECIAL QUALIFICATIONS

Has 24 years of engineering experience

Responsibilities include coordinating projects, performing calculations, coordinating plan preparation, and reviewing shop drawings

Experience includes writing technical specifications and observing project construction

coordination. Of special concern is the presence of Florida Gas Transmission mains along the project's right of way and the need to avoid design options that require gas main relocation.

Kings Highway (SR 713) from Okeechobee Road (SR 70) to US 1 (SR 5) PD&E Study, FDOT District Four, St. Lucie County — Served as project engineer. Kimley-Horn performed a PD&E study to widen an existing two-lane roadway to a four- or six-lane divided roadway. This 10-mile project included all environmental and engineering reports necessary to evaluate alternative corridors and alternative alignments within the selected corridor. The project also included public information meetings and public workshops with local residents and elected officials. Additional services included the preparation of a detailed concept plan, right-of-way maps, and a pond siting report to determine additional right-of-way needs.

US 1 (Biscayne Boulevard) Over NE 203rd Street PD&E Study and Final Design, FDOT District Six, Miami-Dade County — Completed bridge railing design to be placed on retaining walls in order to alleviate obstructed views to local businesses as part of the design and engineering services for this project. Kimley-Horn provided design services to replace an existing at-grade intersection of SR 5/US 1 and NE 203rd Street in Miami-Dade County. This project won the Grand Award from Florida Institute of Consulting Engineers.

CR 712 (Midway Road) Design and Reconstruction, FDOT District Four, St. Lucie County — Serving as structural design engineer for the reconstruction of Midway Road from a two-lane, rural roadway to a four-lane, divided urban roadway from west of South 25th Street to east of SR 5 (US 1), for a length of two miles. The project includes replacement of the existing bridge over the North Fork of the St. Lucie River and will also include retaining walls, drainage ponds, signing, lighting, signalization, landscaping, irrigation, and wetland mitigation. The corridor is within a historic area and our design will consider right-of-way impacts, impacts to parks and schools, concerns of White City residents, access management changes, flooding and environmental concerns, 4(f) properties, utilities and, possibly, decorative lighting within the historic limits.

Design Services for SR 614 (Indrio Road), FDOT District Four, St. Lucie County — Serving as project engineer. This project involves extensive right-of-way acquisition and design for a two-mile segment of SR 614 (Indrio Road) from I-95 to SR 607 (Emerson Avenue) in the northern portion of St. Lucie County. The preferred alternative for design as established by the previous PD&E study is a four-lane section with 12-foot travel lanes, a 22-foot median, 5-foot bike lanes, and 5-foot sidewalks. The Kimley-Horn team is using context-sensitive design features, including upgrades to culvert end treatments at major crossings and designs to incorporate aesthetic features of the rural adjoining properties. Other services include value engineering; environmental permitting with the Fort Pierce Farms Water Control District, South Florida Water Management District, and U.S. Army Corps of Engineers; control and design surveys; geotechnical investigations; an access management plan update; community awareness plan; drainage design; utility coordination and SUE; and long-range/cost estimates.

I-595 Corridor Roadway Improvement Project (Design, Build, Operate, Maintain), FDOT District Four, Broward County — Engineer of Record for I-595 Express Lane Bridge over Pine Island Drive. This bridge consisted of a three-span, continuous steel superstructure with multi-column bents.

SR 5/US 1 and SR A1A RRR Design Services, FDOT District Four, Palm Beach Gardens — Served as structural engineer for this 3R project that includes two roadway segments under one contract. The SR 5 (US 1) segment is a 7.5 mile long, four-lane divided with urban and suburban sections spanning five municipalities. The SR A1A portion is ½ mile of two-lane roadway. Because of the length of the project, an expedited survey schedule was required. The project also includes a public involvement program involving five municipalities and coordination of landscape design for all cities. The project also involves adding missing sidewalk; widening pavement to provide bike lanes along the numerous existing right-turn lanes; evaluating and designing repairs to existing drainage problems; environmental permitting; signing and pavement markings; replacing a curbed section due to widening; and analyzing numerous signalized intersections against current standards. The project also includes preparing a number of design variations and coordination with more than a dozen utility companies.

HEFT Widening PD&E Study, Final Design, and Permitting, Okeechobee Mainline Toll Plaza, Florida's Turnpike Enterprise, Miami-Dade County — Responsible for design calculations and drawings for two bridge widenings: HEFT over Maule Industries Road and Pennsuco Canal. Both of these bridges were AASHTO beam bridges utilizing inverted T caps supported on concrete piles. Kimley-Horn completed a PD&E study for a 13-mile section of Florida's Turnpike between SR 836 and I-75 (Sections 1 and 2) in Miami-Dade County. We also completed final roadway construction plans for widening of the HEFT from the Okeechobee Mainline Toll Plaza north to I-75 and evaluated the design issues involved in eight-laning this section of the HEFT. Our staff also designed modifications to the Okeechobee Road interchange to include new toll facilities and completed bridge widening plans for 10 bridges.



Marwan Mufleh, P.E.

Principal-in-Charge

Relevant Experience

MLK Jr. Boulevard Improvements and Downtown Connectivity, Pompano Beach — Project manager for Kimley-Horn's services to another firm to provide professional engineering design services to the City and the Pompano Beach CRA for roadway improvements along Martin Luther King Jr. Boulevard (a.k.a. Hammondville Road) between NW 0th Avenue to east of Dixie Highway. Marwan supervised a group of professionals to provide traffic analysis studies, signal modification design, maintenance of traffic plans, irrigation plans and provided assistance during the construction phase.

NW 6th Avenue, Pompano Beach — Supervised project manager for the design and construction administration for the reconstruction of a two-lane urban collector in the NW CRA. This project was highly visible and politically sensitive because it was intended to revitalize the neighborhood along the corridor. As such, it required extensive coordination with the City Manager, Public Works Administrator, and City Council. It involved creative hardscape utilizing African themes for brick paver crosswalks, sidewalks, roundabout intersections, signalized intersection, landscaping, irrigation and numerous driveway connections. It also involved extensive utility plans to place the overhead electrical, telephone, and cable TV lines underground.

NW 27th Avenue, Pompano Beach — Project manager for the reconstruction of one mile of a two-lane urban arterial within a residential area. The project involved numerous driveway connections, drainage, landscaping, and irrigation.

SR A1A Complete Streets Design, City of Hollywood — Project manager of the Kimley-Horn team serving the City of Hollywood to conduct a feasibility study to incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The traffic study considered alternatives including lane elimination and roadway reconfiguration. Because SR A1A is a state road, our team coordinated extensively with FOOT District Four for design approvals. The roadway plans include a reduction of speed, improving safety for vehicles, pedestrians, and bicyclists; wider sidewalks, improved street furniture, landscaping, and signage. The team also provided traffic signal analyses, driveway access reviews, emergency vehicle access reviews, meetings and coordination, and permitting services. Our team designed real world mock ups of selected alternatives for sidewalk pavers and decorative street lights for the public's input before final design.

Dixie Highway/21st Avenue Corridor Redesign Concept and Mobility Study, City of Hollywood — Contract manager for the Kimley-Horn team that prepared a Redesign Concept Study for the Dixie Highway and 21st Avenue corridor throughout Hollywood between Pembroke Road and Sheridan Street. A vision for a "transit-ready corridor" along the FEC Railroad was created by designing Complete Streets solutions in anticipation of re-establishing passenger rail service through seamless integration of an anticipated Tri-Rail Coastal Link station. The Complete Streets approach recommended in this study includes a "road diet" lane reduction to repurpose excess automobile capacity for bicyclist, pedestrian, and transit improvements. In addition, the Complete Streets approach will establish a transit-ready corridor for seamless integration of an anticipated Tri-Rail Coastal Link station along the Florida East Coast (FEC) Railroad.

PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, University of Texas, Arlington, 1986

Professional Engineer in Florida, #45329, March 27, 1992

American Society of Civil Engineers (ASCE)

American Society of Highway Engineers (ASHE) Florida Engineering Society, Member

SPECIAL QUALIFICATIONS

Has 33 years of civil engineering experience

Principal areas of practice include project management from the design concept stage through the construction administration phase, roadway design, streetscape, Complete Streets, roadway lane re-purposing, traffic calming, neighborhood revitalization, drainage design, innovative pavement design, pavement marking, and maintenance of traffic

Served as project manager on numerous successful highway design and construction projects for Broward County and various municipalities and CRAs

Highly experienced with neighborhood street redevelopment and lane elimination to repurpose streets for all modes of transportation Experienced in Microstation and Geopak

Las Olas Boulevard and Colee Hammock Neighborhood Traffic Calming, Fort Lauderdale — Project manager assisting the City with preliminary designs for the reconfiguration of Las Dias Boulevard. As a result, the City implemented a pilot project for temporary lane elimination and buffered bike lanes. Our services also addressed traffic circulation, safety, multimodal mobility, and quality-of-life issues along the Las Olas Boulevard corridor (from just west of the Himmarshee Canal to the Intracoastal Waterway Bridge). The project also included a traffic calming study for the Colee Hammock neighborhood. Improvements included enhanced crosswalks, raised intersection, and warning lights for improved safety. For Colee Hammock, our team provided plans for roadway design, signing and pavement markings, lighting improvements, and permitting application preparation. Kimley-Horn also provided post-design construction services.

Las Olas Boulevard Corridor Improvements, Fort Lauderdale — Project engineer. Kimley-Horn provided final design, evaluation, and due diligence services for this mixed-use project for the City of Fort Lauderdale Community Redevelopment Agency. The project consists of the redevelopment of several pieces of City property from existing surface parking lots to a new multi-story parking garage; active park and plaza areas; and general open space to enhance the pedestrian and beachgoer experience in the Fort Lauderdale beach area. Las Olas Boulevard is being improved to provide a Complete Streets design to better connect the shops, restaurants, and other businesses with the new Oceanside Plaza on the south side of Las Olas Boulevard. Kimley-Horn also provided the initial site civil engineering design, roadway design, permitting coordination, stormwater, utility, franchise utility coordination, and other services.

Wiles Road Design from Riverside Drive to Rock Island Road, Broward County — Project manager for complete contract plans for the widening of Wiles Road to a 6-lane divided urban arterial from Riverside Drive to Rock Island Road. As part of this design, we incorporated the Broward Complete Streets guidelines on this project (also prepared by Kimley-Horn), which were endorsed by the Broward MPO. We coordinated closely with the County to tackle issues related to the narrow areas of the corridor, including a balance between traffic lane, sidewalk and bike lane widths. This segment had grant funding from FOOT and the improvements included roadway design, Complete Streets design, drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, permitting coordination with the City of Coral Springs and detailed traffic control plans.

Boynton Beach Boulevard Design from East of 1-95 to US 1, Boynton Beach — Project manager providing design services for this multi-stage project in the City of Boynton Beach. The design improvements to the project area (east of 1-95 to US 1) include landscape architecture enhancements and Complete Streets features. Design features include narrowed lanes and expanded sidewalks to encourage pedestrian mobility and landscape/hardscape upgrades within the corridor. Our services include roadway and landscape design; signing and marking; signal plans; lighting; traffic analysis; utility coordination; permitting assistance; and public involvement services.

Federal Highway (US 1) Enhancements, Delray Beach CRA — Project manager. This project included two miles of the US 1 oneway pair in each direction in Delray Beach. The City and its Community Redevelopment Agency (CRA) adopted the Downtown Delray Beach Master Plan, which has as one of its key elements a reconfiguration of the two one-way segments of US 1 from three lanes to two lanes. The design provided two lanes each way with on-street parking for both avenues, City residents and visitors will soon enjoy the benefits of on-street, buffered parking; slower speeds and a safer, more pedestrian-friendly environment; landscaping beautification and decorative, environmentally sensitive street lighting; bicycle lanes; and a new sense of continuity with the Downtown area.

24th and 25th Street Improvements, West Palm Beach — Project manager for the Kimley-Horn team retained by the City of West Palm Beach to provide streetscape improvements in the Northwood neighborhood area. This project is a joint effort between the City of West Palm Beach and the West Palm Beach Community Redevelopment Agency (CRA) to reconstruct each of the two-lane roadways with on-street parallel parking on both sides, thus creating a main street through the District. The project is envisioned as an impetus to spur redevelopment of that District. As such, it required an intensive public involvement program that included residents, merchants, the CRA Advisory Board, and the CRA Board, which is the City Commission. The project included extensive landscape and hardscape plans, renderings, decorative street lights, drainage, signing and marking, and traffic control plans; 24th and 25th Streets were also designated as SR 5 and are owned and maintained by the Florida Department of Transportation (FDOT). Therefore, permitting and close coordination with FDOT were necessary. Due to local agency participation, funding was provided by state and federal governments.



PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, Arizona State University, 1980

Professional Engineer in Florida, #49143, April 1, 1995

SPECIAL QUALIFICATIONS

Has 39 years of bridge design, construction, scour analysis, and inspection experience

Particular experience with design of large, cast-in-place post-tensioned concrete box girder bridges, and steel-welded plate and box girders, along with precast prestressed bridges, precast prestressed and cast-in-place flat slab bridges, retaining walls, box culverts, and highway sign and signal structures

Specializes in structural design, construction and maintenance, bridge scour analyses, and highway geometrics and design

Tom Farnan, P.E.

Quality Assurance/Quality Control

Relevant Experience

Dixie Highway Flyover Design-Build, FDOT District Four — Structural team leader for the design of a new roadway and bridge to connect Dixie Highway from north of Hillsboro Road along west side of FEC RR, over the FEC RR and Hillsboro Canal, and connecting into existing Dixie Highway north of Hillsboro Canal east of the FEC RR tracks. Lead bridge designer for all retaining walls, a three-span vehicular bridge, a single-span, 218-ft long, steel box girder pedestrian bridge (both over the Hillsboro Canal), and all substructure designs for the main bridge consisting of eight spans of curved steel box girders.

NW 25th Street Widening and Viaduct, FDOT District Six, Miami Project manager, lead structural engineer, and engineer of record for Kimley-Horn's services. Duties included the design and checks for the bulkhead walls, at grade canal bridge, and viaduct portions for the three-span continuous steel plate girder units over SR 836 and NW 72nd Avenue.

Reconstruction of Krome Avenue (SR 997) from South of SW 296 Street to South of SW 232 Street, FDOT District Six — Senior structural engineer responsible for design of the bridge over the SFWMD canal. Kimley-Horn is providing roadway, signing and marking, signalization, lighting, structures and landscape design. The project consists of widening the existing 2-lane undivided road to a 4-lane divided road with a 10' wide shared use path. This project is part of the Krome Avenue South Corridor and has several environmentally sensitive areas. This segment of Krome Avenue handles part of the main freight activity in south and west Miami-Dade County, with a daily truck percentage of 15%.

Turnpike Mainline Widening Design, Boynton Beach to Lake Worth, Florida's Turnpike Enterprise (FTE) — Lead structural engineer for this 7.2-mile reconstruction of existing four-lane to eight-lane divided expressway that includes a new Interchange and conversion of mainline barrier plaza into full 8-lane open road tolling (ORT) expressway complete with ramp manual tolling. The project encompasses roadway widening, bridge widening and replacements, 2,500 feet of a major Lake Worth Drainage District Canal relocation, right-of-way acquisition, new toll plaza buildings, overhead signage, pavement markings, signalization, lighting, landscaping, ITS system relocation, utility adjustment, new sound barrier wall, and complex traffic control during construction. Led a team of 12 in-house multi-disciplinary staff.

Lantana Toll Plaza Open Road Tolling (ORT) Design, Palm Beach County — Served as project engineer. The ORT-Lite project was a fast-track, cost-conscious initiative of Florida's Turnpike Enterprise to institute Open Road Tolling (ORT) at both the Cypress Creek and Lantana Mainline Toll Plazas. The project included pavement widening, milling, resurfacing, and overbuild of the roadway approaches to the Lantana Toll Plaza, overhead signage, pavement markings, guardrail installation, toll plaza modifications, equipment gantry installation, and traffic control analyses and plans. The complexity of the project required close coordination with Turnpike staff, toll equipment installers, CEI staff and the contractor in the field. In order to maintain a steady revenue stream for the Florida's Turnpike Enterprise, the traffic control plan and switch over to the new tolling equipment necessitated nighttime lane closures.

Sand Lake Road and Florida's Turnpike Interchange Design, FDOT District Five — Structural engineer for design of a new interchange for SR 91 (Turnpike Mainline) and SR 482 (Sand Lake Road) in Orange County.

Responsible for all structural design, including removal and replacement of the existing westbound bridge, superstructure replacement for the eastbound bridge, design of new SPU ramps, design of seven retaining walls, box culverts, and all overhead sign structures, mast arms, and drainage structures.

I-75 Managed Lane Project (Segments A&B) Design Build, FDOT District Four — Engineer of Record for the design of a nonaccessible express lane toll gantry on I-75 just north of the Florida's Turnpike Extension (HEFT). This gantry was designed in accordance with the Turnpikes GTR and required special coordination with Turnpike tolling staff since this gantry was the first bi-directional use tolling. Placement of tolling equipment was critical for this gantry. The gantry consisted of a tri-chord span truss structure with all the supporting tolling frame work and equipment.

I-75 Managed Lane Project (Segment C)- TS Design, FDOT District Four — Engineer of Record for the design of a non-accessible express lane toll gantry on I-75 just south of Miramar Parkway and a second gantry just south of Sheridan Street. These gantries were designed in accordance with the Turnpikes GTR and required special coordination with Turnpike tolling staff since this gantry was the first bi-directional use tolling. Placement of tolling equipment was critical for these gantries. The gantries consisted of a trichord span truss structure with all the supporting tolling frame work and equipment.

I-75 Managed Lane Project (Segment D) ITS Design, FDOT District Four — Engineer of Record for the design of a non-accessible express lane toll gantry on I-75 just north of Griffin Road. This gantry was designed in accordance with the Turnpikes GTR and required special coordination with Turnpike tolling staff since this gantry was the first bi-directional use tolling. Placement of tolling equipment was critical for this gantry. The gantry consisted of a tri-chord span truss structure with all the supporting tolling frame work and equipment.

PD&E Study for Widening of Florida's Turnpike Spur and the HEFT North, Broward/ Miami-Dade Counties — Structural engineer for the Kimley-Horn team that is serving as a subconsultant to another firm to provide engineering services for a PD&E study for the widening of the Florida's Turnpike Spur and the HEFT from East of NW 57th Avenue to Mainline in Broward and Miami-Dade counties. Kimley-Horn's role is to provide environmental and public involvement support, as well as to assist with roadway design, structural elements, drainage (including preparation of a Location Hydraulics Technical Memorandum and a Pond Siting Report), permitting, and lighting.

Sawgrass Widening PD&E Study, Florida's Turnpike Enterprise, Broward and Palm Beach Counties Led structural design for more than six miles of noise walls for this project in Broward County. The project involved conducting a PD&E study for the widening of an eight-mile section of the expressway in Broward County. The key issue identified was noise impacts and mitigation of these impacts to adjacent homeowners. Location design acceptance was obtained in 12 months.

Turnpike Mainline Widening from Lake Worth to Jupiter, PD&E Study and Design, Palm Beach County — Lead structural engineer responsible for bridge analysis reports for eight bridges, including bridges replacements and ramps over Okeechobee Blvd., SR 710, PGA Blvd., and several canal crossings. Turnpike Mainline Widening from Sunrise to Atlantic, Florida's Turnpike Enterprise, Broward County — Lead structural engineer for two bridge widenings and two bridge replacements for this 6.5-mile widening project in Broward County. Also responsible for all the retaining walls and bulkhead walls along the project.

Turnpike Widening from HEFT to Johnson Street PD&E Study and Design, Broward County — Lead structural engineer for design of three bridge widenings, one bridge replacement, and one new bridge along with associated retaining walls and bulkhead walls.

HEFT Widening Final Design and Permitting, Okeechobee Mainline Toll Plaza to I-75, Florida's Turnpike Enterprise — Structural engineer for 10 bridge widenings on Florida's Turnpike. Services included design and plans preparation of concrete superstructure and substructure elements, maintenance of traffic concerns, and overhead sign design.

Turnpike (SR 91) All Electronic Tolling (AET) 5A Conversion from I-595 to South of the Lantana Mainline Toll Plaza — Structural engineer. Kimley-Horn was selected to provide design services for the conversion of the existing tolling scheme along the Turnpike to all electronic tolling (AET). The current system uses a combination of ramp toll plazas and mainline barrier toll plazas. FTE's goal is to incorporate a mainline gantry configuration whereby existing ramp toll plazas are removed and mainline tolling points between each interchange are constructed.



Angelina Fairchild, P.E., LEED AP

Assistant Project Manager

Relevant Experience

Atlantic Boulevard Bascule Bridge Improvements including Decorative Sails and Lighting, City of Pompano Beach — Structural engineer. Kimley-Horn served the City of Pompano Beach with CSA Architects and Burkhardt Construction to incorporate safety and aesthetic improvements to this 400-foot bascule bridge over the Intracoastal Waterway. Kimley-Horn designed a replacement traffic railing to improve safety and aesthetics, as well as an under-bridge walkway to improve pedestrian access to the water. The project involved the design and construction of enhancements to the bridge façade, tender house, traffic railings, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on bridge façades, landbased lighting, and a pedestrian esplanade under the bridge connecting restaurants and buildings from the south to the north. The design-build team was responsible for complete design, permitting, and coordination with FDOT. Kimley-Horn obtained all permits for the project through coordination with FDOT, USACE, USCG, FDEP, the City, and SFWMD. The project created a signature gateway within the City's Beach district

Goodyear Facility Expansion, Pompano Beach Airpark, Pompano Beach, FL — Structural engineer. The existing hangar facility will be enlarged by 7,800 square feet to accommodate the new airship and will be updated with new features. Kimley-Horn has led the site planning process through the City of Pompano Beach and has been responsible for a variety of facility improvements.

Brickell Key One Property Structural Assessment and Repair Work, Miami, FL — Project manager for the assessment of building structural elements for three buildings, including exterior façade, roof, parking garage, and ancillary structures. Built in the 1970s, the Brickell Key One property includes a 22-story oceanfront condominium tower with two additional levels of parking, a commercial complex, and an oceanfront "bay home" townhouse building. Subsequent to the property condition assessment of exterior façade and concrete elements of the building, Kimley-Horn has performed the analysis, design, and preparation of construction drawings, product specifications, and bid packages for the repairs. We are providing construction phase services.

Skypass Bridge, Port of Palm Beach, Riviera Beach, FL — Structural engineer for design of a 1,900-foot, four-lane bridge over US 1. Kimley-Horn's fast-track design of roadway approaches and the bridge, which rises to 69 feet, allowed for the elevation of US 1 to improve port operations. The bridge was constructed in two sections to maintain existing traffic. Design and contract plans were produced in less than nine months.

Royal Palm Boulevard Bridge over Margate Canal, Margate Improvements, FL — Project engineer. Our services included the engineering design and development of construction documents for Royal Palm Boulevard Improvements beginning approximately 200 feet± east of the Margate Canal and extending east to the west half right-of-way of SR 7 (441), approximately one mile in total length. The project involved realignment of the roadway, east- and westbound left-turn lanes, access management modifications, renovation of an existing bridge and medians, construction of pedestrian bridges, base enhancements, milling and resurfacing, providing new asphalt areas, swale improvements, minor drainage improvements, and lighting improvements. Professional services included design, permitting, coordinating with utility providers for adjustments and/or relocations, preparing quantity calculations and engineers' estimates of probable costs, and limited construction phase services.

Palmetto Expressway Interchange Bridge, FDOT District Six, Miami, FL — Structures task manager and lead engineer for the plans preparation for the rehabilitation of this urban interchange. The project included replacing and

PROFESSIONAL CREDENTIALS

Master of Science, Civil Engineering, University of Texas, Austin

Bachelor of Science, Architectural Engineering, University of Texas, Austin

Professional Engineer in Florida

LEED Accredited Professional

Excel CXL Tribometrist

SPECIAL QUALIFICATIONS

A lead engineer in our Florida region structural division with 33 years of experience

Principal areas of practice include industrial facilities, municipal projects, parks, marinas, bridges, and condition assessments

Involved in the design, rehabilitation, repair, construction, and inspection phase services on a variety of structural engineering projects that have included conventional reinforced concrete, precast prestressed concrete, post-tensioned concrete, and structural steel

The Florida Engineering Society (FES) has recognized Angelina as a leader in her field several times: In 2018 she was awarded Engineer of the Year by the Palm Beach Chapter; in 2014 she received the President's Award, in 2010, she received the state award for Outstanding Service to the Engineering Profession; and in 2000, she was selected as the state's Young Engineer of the Year.

Angelina Fairchild, P.E., LEED AP

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lengthening the two main overpass structures, adding two new ramp bridges and a new canal crossing, as well as a significant amount of retaining walls (permanent and temporary).

Bridge Scour Evaluation Program Tidal Model, Phase II, FDOT District Four — Project manager for Phase I qualitative assessments of existing bridges and the development of a two-dimensional tidal model for the Intracoastal Waterway within the District's limits. This model simulated storm surge and wind forces using SMS and RMA2 computer software. The modeling encompassed 160 miles of Intracoastal Waterway in South Florida from Port Everglades Inlet in Dade County to Sebastian Inlet in Brevard County and was part of the firm's Intracoastal modeling contract with District Four.

Bridge Scour Evaluation Program, FDOT District One — Performed quality assurance/quality control reviews for the Phase I reports of the bridge scour evaluation project and performed bridge rating analyses for several bridges in Pinellas County as part of this bridge scour project for District One. The firm performed over 1,400 Phase I quantitative and qualitative evaluations, 900 Phase II hydraulic/hydrologic evaluations, 100 Phase III structural and geotechnical evaluations, and prepared over 50 Phase IV countermeasure plans of action.

Bridge Rehabilitation Project, Deerfield Beach, FL — Structural engineer. Evaluated seven existing residential bridges for the City. The project included comparison of FDOT bridge inspection reports with existing field conditions. Based on these comparisons, Kimley-Horn recommended additional repairs needed, provided cost estimates, and prioritized repair projects. Additionally, Kimley-Horn prepared plans, specifications, and oversaw the implementation of the repairs.

Cane Ramp Structural Modifications, Design, and Construction for the Sugar Cane Growers Cooperative of Florida, Belle Glade, Palm Beach County, FL — The project consists of modifying an existing elevated concrete can ramp to accommodate larger trucks, and design a new steel frame hydraulic cane dumper system and its foundations to straddle across the cane ramp. The foundations will be constructed over the summer when the mill is shut down. The frame will be fabricated during the next crop and installed after the next grinding season. The foundation construction completion date is September 2013. The total project is expected to be completed in the summer of 2014.

Structural Assessment of 305 Maddock Way (Duck's Nest) and 323 Chilean Avenue, Palm Beach, FL Structural engineer in charge of conducting evaluations and producing structural engineering reports on two historic homes. The assessment was made to confirm or refute earlier evaluations to determine if the homes were structurally sound and could be renovated or necessitate demolition.

Miscellaneous Structures for Parks and Recreation Projects, Jupiter, FL — Provided structural engineering design and quality assurance services for structural elements (dugouts, concession stands, enclosures, etc.) for several park projects for the Town of Jupiter.

College of Business Complex Structural Façade Assessment, Boca Raton, FL — Serving as project manager for the field assessment, report and follow-up recommendations to repair structural deficiencies of the façades of the buildings that constitute the College of Business include the Fleming Hall Complex (Buildings 23, 24 and 25) as well as College of Business /Sean Stein Pavilion (Building 86), the DeSantis Pavilion (Building 87) and the Office Depart Center for Executive Education (Building 93).

North Ocean Boulevard Seawall Replacement, Palm Beach, FL — Structural engineer responsible for the evaluation of the existing condition of the seawall for the Town of Palm Beach along North Ocean Boulevard. Due to revised coastal loads, the age of seawall, and its interaction with an existing beach access tunnel, the decision was made to replace the existing seawall by driving new steel sheetpiles in front of the existing concrete wall. Permits from FDEP and USACE were required. Kimley-Horn developed the construction drawings for the seawall replacement and overall roadway corridor improvements. We also assisted the Town with bidding and provided construction observation services. The project upgraded the corridor along the beach including approximately 1,600 linear feet of seawall replacement, drainage, and pavement.

Beach Road Water Control Structure Rehabilitation, Sanibel, FL — The City of Sanibel owns and maintains a storm water conveyance and management system that includes water control structures operated by sluice gates. The Beach Road Water Control Structure (BRWCS) is part of the system draining an area south of Periwinkle Way and East of Donax Street to San Carlos Bay. The BRWCS structure was built circa 1992 of reinforced concrete with two 72" x 60" flush bottom sluice gates and an adjacent weir basin. As the project manager for Kimley-Horn, coordinated and oversaw the team that performed an in-depth inspection of the BRWCS both, above water and underwater to determine and document the attributes of each defect such that repair/rehab plans and bid documents could be prepared. Following the presentation of these findings, as the engineer of record, lead the engineering team that developed a Repair Protocol Manual, Plan details, and specifications suitable for construction and bidding to repair the deficiencies and restore the structures. Submitted proposal to provide post-design and construction phase services to the City.



Juan Fuentes, PE, SE, SI, LEED AP

Special Inspector

Relevant Experience

Stirrup Apartments, Miami, Florida — Principal, Engineer of Record, and Field Representative for this 5-story, 68-unit building. The project utilized concrete columns and an 8-inch post-tension concrete slab. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading.

Town Center Apartments, Miami, Florida — Principal, Engineer of Record, and Field Representative for this 5-story, 192-unit building. The project utilized concrete columns and an 8-inch post-tension concrete slab. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading.

26 Edgewater Condominiums, Miami, Florida — Principal, Engineer of Record, and Threshold Inspector for this 10-story, 175,000 square foot mixed-use building with 86 units. The project offers its residents a 3-level parking garage and fitness center on the roof amenities deck. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading. Floor plates required special attention during design due the thirty-foot span distance between columns.

Collins Park Apartments, Miami, Florida — Principal, Engineer of Record, and Field Representative for this 7-story, 124-unit building. The project utilized concrete columns and an 8-inch post-tension concrete slab. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading.

Wingate Hotel, Miami, Florida — Principal, Engineer of Record, and Threshold Inspector for this 6-story, 42,000-square-foot, 84-key hotel. The project consists of concrete columns and a 7.5-inch post tension concrete slab. The structure is supported on shallow foundations and uses reinforced concrete shear walls to resist the wind loading.

Pines City Center Phase 1, Pembroke Pines, Florida — Project Manager, Engineer of Record, and Special Inspector responsible for the design and construction observation for \$20 Million retail center. The project consists of three separate single-story buildings and is approximately 200,000 square feet. The project utilized staggered masonry facades, open web steel joist, load bearing masonry walls, and shallow foundations.

Pines City Center Phase 1B, Pembroke Pines, Florida — Project Manager, Engineer of Record, and Threshold Inspector responsible for the design and construction observation for \$5 Million retail center. The project consists of three separate buildings and is approximately 50,000 square feet. The largest building is 40,000 square feet and two story. The project utilized open web steel joist, structural steel framing, composite steel floor framing, infill masonry, and shallow foundations.

Pines City Center Phase 2, Pembroke Pines, Florida — Project Manager, Engineer of Record, and Special Inspector responsible for the design and construction observation for \$10 Million retail center. The project consists of two separate single-story buildings and is approximately 100,000 square feet. The project utilized staggered masonry facades, open web steel joist, load bearing masonry walls, and shallow foundations.

PROFESSIONAL CREDENTIALS

Bachelor of Science in Civil Engineering, 2000

Bachelor of Science in Architectural Engineering, 2000 University of Miami Cum Laude

American Society of Civil Engineers (ASCE)

American Institute of Steel Construction (AISC)

American Concrete Institute (ACI)

Florida Structural Engineers Association (FSEA)

Professional Engineer Florida No. 62426

Special Inspector (Threshold) Florida No. 62426

Structural Engineer Illinois No. 081006736

LEED AP

SPECIAL QUALIFICATIONS

21 years of experience

Juan Fuentes, PE, SE, SI, LEED AP

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North Dade Maintenance Facility, Florida Department of Transportation District VI — Project engineer responsible for this phase II of the design/build project for FDOT District VI North Dade Maintenance Facility. Phase II included a single building containing eight-bay truck maintenance garage and 8,000 sq. ft. warehouse. The project also included miscellaneous structures such as material bins and canopy foundations for existing fueling facility.

City of Hialeah Solid Waste Building Addition, Hialeah, Florida — Project engineer responsible for the design and construction documents of the 2,500 sq. ft. addition to existing building. The addition provided new administrative space for the solid waste department.

Coral Springs Public Safety Training and Technology Center, City of Coral Springs, Florida — Project engineer responsible for the design and construction documents of the new \$3.9 million, 30,000 sq. ft. Training Center and attached apparatus bays. The project used an open web joist system for the floor structure that required an in-depth vibration analysis. The joist system is supported on a combination of interior steel girders, steel and concrete columns and load bearing masonry walls.

Oaks Road Fire Rescue Station, Town of Davie, Florida — Project engineer responsible for the design and construction documents of the new \$2.5 million, 15,000 sq. ft. fire station. The design required special to the cantilevered second floor structure and curved roof diaphragm.

Lauderhill Fire Station No. 57 Addition, Lauderhill, Florida — Project engineer responsible for the design of the 3,800 sq. ft. addition that included a 4-storey elevator tower. The addition of the elevator tower required special attention at the foundation level due to a 5 ft difference in elevation between new and existing foundations.

Plantation Fire Station No. 2 Addition, Plantation, Florida — Project engineer responsible for the design of the 4,200 sq. ft. addition to the existing fire station. The design required special attention at the new/existing diaphragm connection due to the existing building structure configuration.

Hialeah Fire Station No. 4 Addition, Hialeah, Florida — Project engineer responsible for the preparation of construction documents and structural design of 30-foot high tower addition. The addition required a mat foundation to minimize differential settlement between existing and new construction.

City of Hialeah Police Station Addition, Hialeah, Florida — Project engineer responsible for the design and preparation of construction documents for a new 4,500 sq. ft. covered walkway and 600 sq. ft. entry canopy. The entry canopy expressed the structure by using tube steel member for the bowstring trusses.



PROFESSIONAL CREDENTIALS

Master, Civil Engineering, George Mason University, 2015

Professional Engineer in Florida, #83599, August 3, 2017

American Society of Civil Engineers (ASCE)

National Society of Professional Engineers (NSPE)

SPECIAL QUALIFICATIONS

Has eight years of experience

Provides services to insurance companies and other confidential clients related to accidents, building failures, and other investigations

Jasen Lenker, P.E.

Structural Condition Assessments

Relevant Experience

Seawall Assessment, Repair Set of Plans, Opinion of Probable Cost and Construction Phase Services for 623 LF of Seawall at 9 Island Ave., Miami Beach, FL — Kimley-Horn was retained to assess the condition of the 623 LF of seawall on the east side of the Property located at 9 Island Ave., Miami Beach, FL and provide repair plans and specifications. The scope also includes issuing bid packages for the submittal of quotations to perform the Work, conduct a pre-bid meeting with potential bidders, and provide onsite construction observation services during the repair phase of the seawall.

Structural Assessment Following Hurricane Irma, Boynton Beach, FL — Provided structural assessment of a private residence following Hurricane Irma on behalf for Frontline Insurance.

Due Diligence Services - Property Condition Assessment, Dania Beach, FL — Project engineer. Kimley-Horn was retained to perform a baseline property condition assessment to observe and report on the physical condition of the property. The property was formerly occupied by a RV sales facility, but was recently vacated, but a potential buyer is considering purchasing the property.

LA Fitness, Garland, TX — Project engineer. Kimley-Horn was retained to perform a structural assessment of a LA Fitness building located in Garland, TX and report on the physical condition of the property. Noticeable structural cracks and settlement began to develop in the walls and foundation of the building in less than 5 years of service.

Crystal Lagoons Beachwalk, St. Johns County, FL — Project engineer. Kimley-Horn was selected to provide professional civil and landscape architectural services for the development of this luxury living community featuring a 14-acre crystal lagoon as the centerpiece—the largest man-made water feature in the U.S. The project includes 800 home sites, a clubhouse, and over 3 million square feet of retail and commercial space along CR 210. Kimley-Horn has been involved in this project since conceptual planning. Specific services provided include conceptual design, full civil/site plans, construction documents, permitting, bidding assistance, and construction phase services.

Lake Worth Neighborhood Road Program Year 1, Year 2, and Year 3, Lake Worth, FL— Project engineer on the team that provided the City of Lake Worth with civil engineering services consisting of roadway design and drainage design. The effort focused mainly on pavement rehabilitation on roadways with the lowest pavement condition index. In addition to pavement rehabilitation, Kimley-Horn designed new catch basins, additional traffic calming measures, and ADA compliant sidewalk routes to provide continuity in the neighborhood. Tasks include data collection, utility coordination, development of construction documents, bidding assistance, and observation during construction. Lake Worth Neighborhood Road Program Year 3 is still in design.

Mercy Hospital Seawall and Loading Dock Replacement, Miami, FL — Project Engineer. Performed an above and below water condition assessment of the 623-LF concrete post and panel seawall on the east side of the 9 Island Avenue. Our team also performed a timber marina assessment following Hurricane Irma - which was severely damaged during the storm rendering it inoperable and unsafe. Services provided included a visual and tactile level 2 seawall inspection in accordance with the guidelines of ASCE Practice No. 130; timber marina damage assessment; repair plans, specifications, and opinion of probable cost for repairs to the seawall and total replacement of the timber marina.

North Bay Village Continuing Services Agreement for Planning, Utilities, Engineering, and Roadways, North Bay Village, FL — Project engineer. Kimley-Horn provides general engineering services for the City of North Bay Village on an ongoing basis. Services have included water and wastewater studies, planning, design, permitting, and construction phase services.

Welleby Park Expansion, Sunrise, FL — Project analyst. The City of Sunrise retained Kimley-Horn for improvements to Welleby Park located at NW 44th Street and Hiatus Road within the City of Sunrise. Kimley-Horn will provide conceptual design for two options for the park redevelopment to be presented at a public presentation meeting. Our team will refine the concept design and prepare design plans, including paving and drainage plans, utility plans, and signing and marking plans.

West Villages Improvement District (WVID) Southwest Wastewater Reclamation Facility (SWWWF), North Port, FL — Project engineer. Kimley-Horn is providing a full range of engineering and hydrogeologic consulting services for the West Villages Improvement District (WVID) Wastewater Reclamation Facility (SWWWF). Kimley-Horn is preparing a preliminary site plan to establish a hydraulic profile for the SWWWWF. Kimley-Horn will prepare a hydraulic analysis of the Island Walk and Gran Paradiso development master pump stations, along with the three additional existing lift stations currently manifolded into the existing force main, to determine modifications required to redirect the discharge to the SWWWWF headworks. Kimley-Horn will prepare plans and specifications for the construction of a Class I industrial DIW for the future disposal of SWWWWF wet weather discharges and membrane concentrate (brine) for the future WVID reverse osmosis (RO) water treatment plant (WTP) in accordance with the approved Preliminary Design Report (PDR). Kimley-Horn will prepare a PDR for the injection well system and submit an underground injection control (UIC) permit to the FDEP. Permitting agencies we are dealing with include the Southwest Florida Water Management District (SWFWMD), FDEP, U.S Army Corps of Engineers (USACE), FDEP/Health Department, FDEP/Sarasota County, City of North Port, and FDOT.



Jerry Piccolo, P.E.

Bridge Structures

Relevant Experience

City of Pompano Beach, Atlantic Boulevard Bascule Bridge

Improvements including Decorative Sails and Lighting, Pompano Beach, FL — Structural engineer. Kimley-Horn served the City of Pompano Beach with CSA Architects and Burkhardt Construction to incorporate safety and aesthetic improvements to this 400-foot bascule bridge over the Intracoastal Waterway. Kimley-Horn designed a replacement traffic railing to improve safety and aesthetics, as well as an under-bridge walkway to improve pedestrian access to the water. The project involved the design and construction of enhancements to the bridge façade, tender house, traffic railings, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on bridge façades, land-based lighting, and a pedestrian esplanade under the bridge connecting restaurants and buildings from the south to the north. The design-build team was responsible for complete design, permitting, and coordination with FDOT. Kimley-Horn obtained all permits for the project through coordination with FDOT, USACE, USCG, FDEP, the City, and SFWMD. The project created a signature gateway within the City's Beach district.

Lowson Boulevard Pedestrian Bridges, Delray Beach, FL — Project manager. Kimley-Horn was retained by Delray Beach to complete a set of construction plans for two pedestrian bridges for the proposed Lowson Blvd. pedestrian bridge over Lake Worth Drainage District's (LWDD) E-4 Canal. The bridges will be on either side of the canal. The bridge is part of the bicycle lane addition for Lowson Blvd. The project also includes the preparation of a Type 1 Categorical Exclusion environmental document with permitting and coordination with LWDD and the US Army Corps of Engineers.

Design-Build Criteria Packages for I-95 Interchange Improvements at Donald Ross Road, Woolbright Road, 10th Avenue North, and Hypoluxo Road, FDOT District Four — Structural engineer for the development of design-build criteria packages for four interchanges in Palm Beach County as a subconsultant to another firm. Services included roadway and structural contract plans, RFP development, and design variations/exceptions (as necessary) for horizontal and vertical clearances to the railroad tracks at each interchange. Kimley-Horn also provided shop drawing reviews of MSE walls, overhead signs, signal equipment, lighting equipment, and drainage facilities.

Florida's Turnpike Widening from Glades Road to Atlantic Avenue, Florida's Turnpike Enterprise, Palm Beach County, FL — Structural engineer. Kimley-Horn is providing professional services for the widening design of the Turnpike mainline from 6 to 10 lanes, including express lanes. Design services include stabilizing the Lake Worth Drainage District (LWDD) E-2W canal bank to support the project's widening, replacing the Yamato Road bridge over the Turnpike, widening the bridge over Clint Moore Road, replacing the bridge over L-38 Canal, designing noise barriers, roadway lighting, signing and pavement markings, and utility coordination.

Glades Road and Butts Road Intersection Improvements, Boca Raton, FL — Structural engineer for design of a signal replacement and second southbound turn lane on Butts Road at the intersection of SR 808/ Glades Road as part of our countywide miscellaneous services contract

PROFESSIONAL CREDENTIALS

Master of Engineering, Civil Engineering, University of Florida, 2012

Bachelor of Science, Civil Engineering, University of Florida, 2011

Professional Engineer in Florida, #80484, January 20, 2016

SPECIAL QUALIFICATIONS

Seven years of experience providing structural design support for roadway improvements in South Florida

Experience includes bridge design, mast-arm design, overhead sign structures, retaining walls, noise walls, toll gantries, and construction phase services

for Palm Beach County. Kimley-Horn's services included signal plans and design to replace the existing mast-arm assembly, signing and pavement marking plans, roadway and intersection design, drainage design, and environmental permitting with South Florida Water Management District and Lake Worth Drainage District.

I-75 Managed Lane Project (Segments A & B) Design-Build from NW 170th Street to South of Miramar Parkway, FDOT District Four, Fort Lauderdale, FL — Structural analyst for the firm's services for this design-build project as a subconsultant to another firm. Responsibilities included structural plans for two steel box girder bridges, four precast/prestressed concrete beam bridges, and all retaining walls, toll gantries, and overhead sign structures.

Lyons Road from Clint Moore Road to Atlantic Avenue, Boca Raton, FL — Structural engineer. As a subconsultant to another firm, Kimley-Horn is providing structural design services for a new Lyons Road bridge over the Lake Worth Drainage District (LWDD) L-38 Canal adjacent to the existing bridge. Careful attention needs to be maintained when working adjacent to existing large underground utilities and overhead electric lines that may interfere with bridge pile driving. Kimley-Horn is coordinating closely with LWDD for the design of the new bridge and consideration of canal access.

Okeechobee Road (SR 25) from East of NW 87 Ave to NW 79 Ave, FDOT District Six — Structural engineer for final design services for the reconstruction of a ¾-mile section of Okeechobee Road in Miami-Dade County. Services include widening the existing road to 4 lanes in each direction; widening the NW 79th Avenue Bridge over the Miami (C-6) Canal; intersection modifications at NW 95th Street and Frontage Road; relocation of an existing BJs Wholesale Club entrance and addition of a new free-flow right-turn lane; and new access from the Frontage Road to westbound Okeechobee Road. Kimley-Horn is also responsible for all permitting; structural design; drainage design; signing and marking; signalization; lighting design; ITS system design; and landscaping along the corridor.

SR 992/SW 152nd St. (Coral Reef Dr.) from SR 821 (HEFT) NB Ramp to SR 5/US-1, FDOT District Six — Structural engineer for the rehabilitation and retrofit of an existing 3-span, PC/PS concrete slab unit bridge crossing the C-100 Canal. The existing bridge utilized non-composite slab units placed side-by-side with an asphalt topping. Over the years, through milling and resurfacing operations, the asphalt thickness had increased 2-3 times the original maximum design thickness in several locations. In addition, differential movement between adjacent slab units resulted in full-depth longitudinal cracks in the asphalt along the length of the bridge causing distress in the asphalt and allowing rainwater and debris to seep through the bridge in multiple locations, increasing the frequency and cost of long-term maintenance. As part of the project, the bridge was converted to a composite bridge by removing the asphalt overlay and replacing it with a cast-in-place reinforced concrete topping slab. Reinforcing dowels were installed into the top of the existing slab units to ensure composite action. In addition, expansion joints were replaced at all supports, concrete traffic railings were reconstructed to the latest FDOT Standards, and new ADA compliant sidewalks with aluminum pedestrian railings were reconstructed along each side of the bridge.

Old Dixie Highway, Yamato Road to Linton Boulevard, Boca Raton, FL — Structural engineer of record. As a subconsultant to another firm, Kimley-Horn provided structural design and signalization services for the construction of a new three-lane urban roadway section from Yamato Road to Linton Boulevard. The project scope included the design, permitting, and construction plans for 3.5 miles of Old Dixie Highway from north of Yamato Road to north of Linton Blvd. The structural component of the project included the bridge replacement over the C-15 Canal. Our team coordinated with Palm Beach County Utilities and South Florida Water Management District for relocation of existing utilities and ultimate design of the bridge replacement.

PD&E Study for Florida's Turnpike Spur and the HEFT from NW 57th Avenue to Turnpike Mainline, Broward/Miami-Dade Counties, FL — Structural analyst for the Kimley-Horn team that is serving as a subconsultant to another firm to provide engineering services for a PD&E study for the widening of the Florida's Turnpike Spur and the HEFT from East of NW 57th Avenue to Mainline in Broward and Miami-Dade counties. Kimley-Horn's role is to provide environmental and public involvement support, as well as to assist with roadway design, structural elements, drainage (including preparation of a Location Hydraulics Technical Memorandum and a Pond Siting Report), permitting, and lighting.

Jaime Ghitelman, P.E.

Construction Phase Services

Relevant Experience

Berth 1 Bulkhead Replacement, Port of Palm Beach, Riviera Beach, FL

— Project Inspector/lead diver. Kimley-Horn is responsible for the analysis, design, and construction document development for upland paving with a bulkhead replacement to –35 ft. dredge depth. Responsibilities also included development of a fast-track construction phasing and sequencing. The slip uses a steel sheet pile wall with a drilled soil anchor tie back system and a concrete cap. At 450 ft. long, this replacement project is a major addition to solve the Port's berthing long-term needs.

Mercy Hospital Seawall and Loading Dock Replacement, Miami, FL

— Lead diver and project analyst for the dock portion of the project. This project includes strengthening of 2,000 feet of seawall along the perimeter of Mercy Hospital's property in Miami. The construction tasks for this project include steel sheetpile installation, tie rod installation between existing wall and new wall, concrete cap placement, backfill, and site grading. This project also includes the construction of a new landing dock for rescue vessels adjacent to the seawall. Kimley-Horn provided design, planning, bidding, permitting, and construction phase services for this \$4-million project.

Underwater Seawall Inspections, Broward, Miami-Dade, and Palm Beach Counties, FL

— Project analyst. Lead diver involved with inspections and assessments of seawalls throughout the tri-county area, both underwater and in-water.

Ponce Bridge Preventative Maintenance Program, Puerto Rico

Project analyst tasked with performing the field work and developing the plans and specifications. Kimley-Horn was contracted to perform an assessment of seven bridges along PR-52 in the Ponce Municipality of Puerto Rico. As part of this contract, Kimley-Horn develop the preventative maintenance protocol that the Transportation Authority can use to determine what preventative procedures should be performed on the bridges. Additionally, Kimley-Horn developed plans and specifications for the implementation of these procedures.

9 Island Avenue Seawall, Miami Beach, FL

— Led above- and below-water condition assessment of the 623-LF concrete post and panel seawall on the east side of the 9 Island Avenue. Conducted an underwater Level II inspection of the concrete seawall structure along the southwest side of the property. The Level II inspection included a detailed visual and tactile examination of the structure, both above and under the water surface. Sixty-three concrete piles were observed during the inspections and used as basepoints for locating deficiencies, which were documented with photographs. Limited non-destructive testing, including sounding, was performed during the inspection to assess any deficiencies not apparent during the visual examination.

Annie's Dock, Palm Beach, FL — Second underwater inspector. Kimley-Horn provided professional engineering services for the marine aspects of the repair and restoration of Annie's Dock on the North End of Palm Beach Island. Repairs and restoration included the removal of damaged concrete



PROFESSIONAL CREDENTIALS

Master of Science, Civil Engineering,
Georgia Institute of Technology,
2015

Bachelor of Science, Civil
Engineering, Georgia Institute of
Technology, 2014

Professional Engineer in Florida
#87473, June 1, 2019

Technical Diving International (TDI)
— Intro to Tech Diving Certification
(Certificate #: 856075)

National Highway Institute Safety
Inspection of In-Service Bridges
Training

FirstAid CPR AED, NSC, 08/16/2019

American Institute of Steel
Construction

SPECIAL QUALIFICATIONS

Six years of experience involved
with civil engineering, structural,
and forensics projects

Software experience includes
AutoCad and Autodesk

Proficient in Finite Elements
Analysis Programs: RISA 3D, STAAD,
RAM Elements

caps, the elevating of the existing structures, the refurbishment of the existing metal walkways damaged during Hurricane Irma.

Bradley Park Improvements, Palm Beach, FL — Project analyst. Kimley-Horn served the Preservation Foundation of Palm Beach for landscaping and hardscaping improvements within Bradley Park. Services performed for this project included: replacing existing sidewalks along the park perimeter, regrading the interior of the park, addition of Lake Trail, addition or refurbishment of entry feature, new landscaping, new landscape lighting, fountain relocation, restroom replacement, and addition of overlook. Our team provided construction document preparation, permitting assistance (SFWMD), Guaranteed Maximum Price Review with contractor, and construction observation.

Brickell Key One Property Structural Assessment and Repair Work, Miami, FL — Engineer and inspector for a building repair design and construction phase services. Built in the 1970s, the Brickell Key One property includes a 22-story oceanfront condominium tower with two additional levels of parking, a commercial complex, and an oceanfront “bay home” townhouse building. Subsequent to the property condition assessment of exterior façade and concrete elements of the building, Kimley-Horn has performed the analysis, design, and preparation of construction drawings, product specifications, and bid packages for the repairs. We are currently assisting the Association with bid evaluations and providing construction phase services.

Implementation of Preventative Maintenance Program Protocol for Ponce Bridges 2267, 2271, 2272, 2335, 2370, and 2371 at PR-52, Ponce, Puerto Rico — Project Analyst. Kimley-Horn implemented preservation activities according to their Systematic Preventative Maintenance Program Protocol and FHWA's Preservation Guide for Bridges 2267, 2271, 2335, 2370, and 2371 at PR-52 in Ponce, PR. The purpose was to extend the service life of the existing bridges superstructure using the latest techniques in preservation.

Madeleine Villas on Crespi Boulevard for City of Miami Beach, Miami Beach, FL — Project analyst for residential seawall evaluation and reconstruction. Kimley-Horn performed an in-water condition assessment of the existing seawall to determine what potential repair options the city should consider. Upon completion of the inspection, a report with recommendations was submitted and a seawall repair was designed.

Mt. Sinai Hospital Bed Tower, Miami Beach, FL — Project analyst providing seawall inspection at the project site. This project consists of the construction of a new 200-bed tower that will convert a portion of the facility's semi-private beds to private beds; a new emergency department; new helipad; reconstruction of parking area; construction of a new main entry drive; and construction of a 400-space parking garage.

Roadway Sign Emergency Repairs After Hurricane Maria, Puerto Rico — Project analyst responsible for performing field work and helping develop the plans for replacement of signs. Kimley-Horn was contracted to assess the condition of roadway signs, overhead structures, and signal structures post-hurricane Maria and document any signs that warranted replacement. Kimley-Horn was responsible for approximately 220 km of road along the island in the municipalities of San Juan and Adjuntas.

Miramar Fire Station #107 Emergency Traffic Signal Design, Miramar, FL — Project analyst. Kimley-Horn was retained by a local firm to provide design of an emergency traffic signal for a new fire station located on the north side of Miramar Parkway, west of Red Road in Miramar, FL. Kimley-Horn developed a Conceptual Signal Plan for the modifications to one corner of the intersection to be submitted for the 60% review stage. The Conceptual Signal Plan indicates the location of the proposed signal pole and mast arm, controller, mast arm orientation, signal head placement, pedestrian signal heads and pushbuttons, and electrical devices. Kimley-Horn will coordinate with Broward County Traffic Engineering Division to determine the location or relocation of the signal hardware, the need for interconnection with adjacent traffic signals (if necessary) and the extent to which existing electric services can be used with the proposed signal. Kimley-Horn will also prepare traffic signal design plans and furnish a Signal Plans Package for the project.



PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering,

Florida International University,
2007

Professional Engineer in Florida,
#74655, June 8, 2012

American Society of Civil Engineers (ASCE)

Florida Engineering Society,
Member

SPECIAL QUALIFICATIONS

More than 14 years of engineering experience, including roadway restoration/resurfacing, drainage modeling, water/wastewater utility design, stormwater master planning, preparation of engineering drawings, permitting, and site/plan preparation and review

Prior to joining Kimley-Horn, served as Sergeant in the U.S. Marine Corps for five years

Extensive experience with AutoCAD, WaterCAD, StormCAD, and Cascade

Stefano Viola, P.E.

Parks and Recreational Facilities

Relevant Experience

Royal Palm Boulevard Bridge over Margate Canal, Margate — Project engineer for the realignment of the roadway, east- and westbound left turn lanes, access management modifications, renovation of an existing bridge and medians, construction of pedestrian bridges, base enhancements, milling and resurfacing, providing new asphalt areas, swale improvements, drainage improvements, landscaping, irrigation, and lighting improvements. Also provided utility coordination. The work included design of a roadway bridge and two pedestrian bridges, roadway and turn lanes, drainage, signing and pavement markings, government agency approvals, coordinating with utility providers for adjustments and or relocations, preparing detailed quantity calculations and engineers estimates of probable costs, and providing resident project representation and incidental items.

24-inch Water Main Route Evaluation Report and Design, West Palm Beach — Provided utility coordination for the relocation of an existing subaqueous 24-inch water main that conflicted with the new bridge location. To implement the most beneficial relocation route for the City, Kimley-Horn developed a water main route evaluation report. The project included evaluating four alternative water main alignments to cross the Intracoastal Waterway from the City of West Palm Beach to the Town of Palm Beach. The report discussed community impacts, constructability, permit feasibility, and a recommendation to proceed with a preferred water main route.

Peruvian Avenue Streetscape, Palm Beach — Project engineer for design, permitting, and construction phase services of this streetscape project in the Town of Palm Beach. The project was funded by private residents along Peruvian Avenue who wanted to implement their vision to renovate the right-of-way by adding landscape islands, street trees and decorative plantings, new lighting, decorative sidewalks, irrigation, and associated infrastructure improvements. The project was challenging due to substandard longitudinal and transverse roadway cross slopes that needed to be addressed while maintaining ADA accessibility and vehicle access.

Westside Blueway Trail Phase II, Miami Gardens — Project manager for planning and design services for the development of the Westside Blueway Trail inclusive of the site amenities and furnishings. The firm was also tasked with providing full construction documents and specifications as required for the bidding, construction observations, and administration of the project. Kimley-Horn's responsibilities included processing applications for construction permits and securing the necessary approvals through all applicable permitting agencies. One of which was the FDOT LAP approval.

Town Hall Square Streetscape and Infrastructure Improvements, Palm Beach — Project engineer for this historic fountain restoration and roadway beautification project within the heart of the Town's commercial corridor. Phase I of the project included the restoration of the Mizner Memorial Fountain that was originally constructed in 1929. This part of the project was partially funded by the State of Florida through a historic preservation grant. Phase II of the project includes streetscape improvements consisting of landscaped nodes, decorative pedestrian crossings, updated urban park landscaping that creates a public gathering area in the median of a roadway where the fountain feature resides, modification of various underground utilities, replacement of sidewalks with decorative tabby concrete, and the introduction of many landscaping and architectural elements throughout the area. Phase II of the project will be partially funded by the state of Florida through a historic preservation grant and through private citizen donations.

Continuing Services Contract for Utilities and Infrastructure, Hollywood Project engineer. Kimley-Horn has been serving the City of Hollywood since 2011 on a variety of utility and infrastructure projects including: South Park Road 16-inch Force Main Upgrade; Water Main Replacement Program 11-5110 – Hollywood Blvd. to Pembroke Road, I-95 to S. 26th Avenue; Water Main

Replacement Program 12-5114 – Hollywood Blvd. to Pembroke Road, S. 26th Avenue to S. Dixie Highway; and 6-inch to 16-inch Water Main Replacement Program 14-5122 – Hollywood Blvd. to Moffett Street, U.S. 1 to Intracoastal Waterway (Phase III). Kimley-Horn's services include design and preparation of construction documents, regulatory assistance, assistance with bid and award of the construction contract, and construction administration services.

Stormwater Master Plan, Medley — Project engineer. Kimley-Horn was retained to prepare a Stormwater Master plan for the Town, which faces a number of challenges, including a high water table relative to the existing grade (which are generally very flat; numerous pockets of contamination throughout the Town caused by industrial tenants); Florida East Coast Railway, which bisects the Town and thus often makes conveyance of stormwater to the nearby C-6 Canal (the Miami River) cost prohibitive; and the lingering threat of sea level rise and climate change. As part of the Stormwater Master Plan, Kimley-Horn is helping to prioritize 12 problem areas for the Town; plan and model projects to improve the conditions; provide pollutant loading reduction information for use in grant applications; and considering the Southeast Florida Unified Sea Level Rise Study findings, a requirement to ensure the projects provide long-term flood protection and to ensure eligibility for financial assistance from Miami-Dade County in the future.

Downtown Phase I and II, and Lake Patricia Roadway/Drainage Improvement Projects, Miami Lakes Project manager and provided permitting and construction phase services; also involved with preparation of construction documents and specifications. Kimley-Horn was involved with the design and permitting services to implement a large roadway and drainage improvement project located in Downtown Miami Lakes. The project area consisted of Bull Run Road from NW 67th Avenue south to Ludlum Road and Miami Lakeway North from NW 67th Avenue to Miami Lakes Drive. It also included Main Street and Meadow Walk from Bull Run to Miami Lakeway North. The capital project included approximately one mile of roadway restoration/resurfacing and drainage improvements in residential/business areas, curbing and sidewalk improvements, a new outfall pipe, swale restoration, signing and pavement markings, and site restoration. The drainage improvements consisted of approximately 3,000 linear feet of exfiltration trench, approximately 2,500 linear feet of HDPE piping, approximately 40 drainage structures and one outfall structure and headwall.

Historic Miramar Complete Streets, Miramar — Project engineer for the development of design concepts and a phasing plan for the City to implement their Complete Streets vision utilizing a Broward County Redevelopment Program grant. Opinions of probable construction cost were developed in support of the phasing plan, along with a narrative detailing the design and cost differences between the initial grant application and current anticipated construction pricing. The Complete Streets improvements, designated for the 255-acre project area, include 7 miles of sidewalk improvements with accessible ramps and crosswalks, potential biking facilities, decorative crosswalk treatments, street trees, sodded swale improvements, irrigation, and pedestrian level lighting.

Roadway Resurfacing Program – Pavement Management System Update, Miramar — Project engineer. Kimley-Horn was retained by the City of Miramar to update the City's Roadway Resurfacing Program. The program consists of a network level evaluation of pavements, comprising of the development of pavement inventory, roadway network definition, pavement condition surveys of approximately 195 centerline miles of roadway pavement, development of a PAVER pavement management database, development of list of capital needs to allow budgeting for the City's roadway resurfacing program.

Continuing Engineering Services, Miramar — Project manager for Kimley-Horn's general civil engineering, traffic engineering, landscape architecture and park design consulting services to the City of Miramar on an ongoing basis. Areas of assistance include review of traffic impact analyses and parking studies specific to development applications, park design services for the Police Benevolent Association Civic Center Park Expansion, reclaimed water line design, water main design, and site civil engineering. Additional services include involvement as a member of the City of Miramar's land development staff to provide traffic and transportation input to the Planning and Zoning Board and the City Commission for traffic operation issues and proposed development site plans.

Barton Boulevard Streetscape, Rockledge — Project engineer for this \$4.2-million facelift for two miles of Barton Boulevard, from US 1 on the east to Fiske Boulevard on the west. Also provided utility coordination. Kimley-Horn provided design services to improve traffic flow, add new decorative lighting and landscaping, contain a landscape median, improve pedestrian movements with new sidewalks and bike paths, upgrade drainage and stormwater management, install new mast arm traffic lights, add new infrastructure, and beautify the heart of the Redevelopment district. Kimley-Horn also worked with a number of agencies, such as the Florida Department of Transportation (FDOT), St. Johns River Water Management District, and the FEC Railway. In addition, the major intersection of US 1 and Barton Boulevard was improved as part of a multi-million dollar FDOT road widening project. The City and CRA have contributed \$1.5 million dollars for project enhancements which included pedway, landscaping, lighting, and wayside stations.



J. Casey Long, P.E.

Seawalls, Parks and Recreational Facilities

Relevant Experience

West Indian Company, Mooring Dolphin, Mooring Bollards and Pier Expansion and Bulkhead Replacement — Project Manager. Responsible for the coordination, management and overall design (EOR) of the Capital Improvements of the existing WICO docks in St. Thomas, USVI. Project improvements are estimated at \$16 million. The project team's responsibilities included creation of a new outer mooring dolphin with fender, a 150 foot long pier extension, two 72 inch mooring bollard monopiles, two new landside bollards, bollard replacements on the existing berths, repairs to the existing pier and 800 linear feet of new bulkhead allowing deepening of the existing inner berth. Project consulting consisted of construction document development, specifications, bidding services, bid evaluation / support and consultant services during construction. In addition to the Project Management role, he served as Structural Engineer of Record on the project for all aspects of the marine package with the responsibility of certifying the structural analysis and design of the structural elements.

Port of Miami, Cruise Terminal J Bulkhead Repair, Miami, FL Project Manager. Responsible for the project management and coordination for this project which involves the re-construction of a 1500 linear feet bulkhead cap adjacent to Cruise Terminal J. The improvements include concrete cap replacement, new fendering, new upland paving, water box replacement and phasing / maintenance of traffic Project consulting services consist of initial assessment of the wall condition above and below water, the preparation of the construction documents.

Port of Miami, South Side Bulkhead Assessment, Miami, FL Responsible for the project management, senior technical support and coordination for this project which involved the evaluation of existing conditions on nearly 4500 LF of bulkhead, evaluation of past reports and assessments and the review of as-built drawings. Project consulting services consist of initial assessment of the wall condition and preparation of the a summary report and recommendation of repairs needed.

Port of Miami, Bays 165 – 176 Assessment, Miami, FL — Responsible for the project management, senior technical support and coordination for this project which involved the evaluation of existing conditions on nearly 1500 LF of bulkhead, evaluation of past reports and assessments and the review of as-built drawings. Project consulting services also consist of an underwater inspections, development of specifications for test pits and exploration of structural conditions underground, and preparation of the a summary report and recommendation of repairs needed.

Port of Miami, Area 2, Seaboard Marina Bulkhead Expansion, Miami, FL — Project Manager. Responsible for the project management and coordination for this project which involved the construction of a 550 foot bulkhead to replace a rip-rap area at the Port of Miami for Seaboard Marine. The improvements include steel sheet pile bulkhead, fendering, paving, grading and drainage improvements; the addition of a water main extension, fire hydrants to support the bulkhead expansion and new fendering systems. Project consulting services consist of the preparation of the construction documents, bid evaluation / support and consultant services during construction.

PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, University of Florida, 1995

Master of Engineering, Structural Engineering, University of Florida, 1996

Professional Engineer in Florida, #56083, July 1, 2001

NCEES Certification, #23162

Florida Engineering Society

National Society of Professional Engineers (NSPE)

SPECIAL QUALIFICATIONS

Has 24 years of diverse civil and structural engineering experience on infrastructure improvement projects

Has provided structural and civil design aspects for port/marine, industrial, commercial, military and educational facilities

Specific examples include design of container/cruise ship bulkheads, floating dock facilities and marina, ship moorings, marina seawalls, paved container yard areas, mobile passenger walkways for cruise ship access, offshore saltwater pump station, and ship's camels

He has also designed or consulted on additional projects such as complete building systems (such as warehouses, office buildings, public safety facilities, and cruise terminals), warehouse crane rails, retaining walls, dredging projects, port planning

Extensive experience providing structural inspections, including

Canaveral Port Authority, Cruise Terminal 8 Expansion, Cape Canaveral, FL — Responsible for assisting in the coordination, management and overall design of the Canaveral Port Authority's Cruise Terminal No. 8 Expansion estimated at \$13 million. The project team's responsibilities included creation of a new parking area, design of a 20,000 SF cruise terminal expansion, design of an elevated connector walkway, parking garage vertical circulation cores, construction document development, specifications, bidding services, bid evaluation / support and consultant services during construction. In addition to the Assistant Project Management role, he served as Structural Engineer of Record on the project for the building with the responsibility of certifying the structural analysis and design of the structural elements.

Port of Miami, Area 3, Seaboard Marina Bulkhead Expansion, Miami, FL — Responsible for the project management and coordination for this project which involves the construction of a 750 foot bulkhead to replace a rip-rap area at the Port of Miami for Seaboard Marine. The improvements include steel sheet pile bulkhead, fendering, paving, grading and drainage improvements; the addition of a water main extension, two fire hydrants to support the bulkhead expansion and new fendering systems. Project consulting services consist of the preparation of the construction documents, bid evaluation / support and consultant services during construction.

Port of Miami, Crane Stow Pin and Tie-Down, Miami, FL — Responsible for the project management and coordination for this project which involves the construction of six crane tie down and stow pins at Port of Miami Wharves 3 through 6. The improvements included extensive coordination with the Owner and tenant to determine locations for these tie down in suitable locations for operations and the development of details that were compatible with maintaining the berths operational during construction with minimal down time. Design features included augercast pile foundations and concrete cap construction. Project consulting services consist of the preparation of the construction documents, bid evaluation / support and consultant services during construction.

City of Key West, Zero Duval Bulkhead, Key West, FL — Responsible for the Design management and coordination for this project which involves the construction of a 50 foot long bulkhead underneath an existing ticketing facility to replace a deteriorating existing wall in Key West Florida. The improvements include steel sheet pile bulkhead, demolition plans, wood deck replacement and 54 inch diameter outfall extension. Project consulting services consist of the preparation of the construction documents.

Bayport Cruise Terminal Complex – Phase 1 — Cruise Terminal - Port of Houston Authority, Houston, TX – Project Manager and Structural Engineer. Responsible for the coordination, management and overall planning for the Port of Houston Authorities Bayport Cruise Terminal Complex Phase 1 Terminal. Project Teams responsibilities included creation of a new to 8 acre parking area, design of a 100,000 SF cruise terminal, design of a 1000 lineal foot wharf, utility design, roadway design, security infrastructure design, fill management plans, construction document development, specifications and bidding services. In addition to Project Management role, will serve as Structural Engineer of Record on the project for the building with the responsible for the structural analysis and design of the Bayport Cruise Terminal. Construction types included steel framing, concrete framing and precast panel wall system.

Crown Bay Cruise Ship Pier Expansion and Multi-Use Commercial Center, St. Thomas, U.S. Virgin Islands — Project Manager and Structural Engineer. Responsible for the coordination and management of this 12 acre cruise ship destination. This design build project (in which his employer teamed with Contractor American Bridge) required the design of new marine facilities including a 1000 foot pier expansion, modification to mooring dolphins dredging and revetment relocation. In addition, this project consisted of the design of adjacent site improvements and eight buildings totaling 60,000 SF. Buildings were of tilt-up wall construction and timber roof framing in a hurricane zone and a seismic Zone 4. In addition to his project management responsibilities, Mr. Long was also responsible for the structural design and layout of all buildings.



Marisa-Ann Gedeon, P.E.

Emergency Power

Relevant Experience

Rybovich Marina Redevelopment, West Palm Beach, FL — Structural engineer for this project that involved the redevelopment of an existing 11.4-acre boatyard and marina. The project's purpose was to consolidate boatyard operations onto one half of the site, facilitating the redevelopment of the other half as residential town homes, two 16-floor residential towers, and a parking garage. Services included development of a functional site plan for the reconfigured boatyard operations, demolition plans for existing buildings and infrastructure, stormwater management design and permitting, boatyard and building utilities design, entrance road and parking lot design, marina permitting, helipad design and permitting, site plan approval, and environmental assessment and remediation.

US 441 (SR 7) Prospect Road "Breeze" Bus Queue Jumper, Fort Lauderdale, FL — Project engineer on the Kimley-Horn team that provided planning and design services for two transit signal priority (TSP) projects in Broward County. Kimley-Horn's services began with a data collection task, including an investigation of field equipment and identifying intersection upgrades (modified signal display, updated signage, etc.). We prepared a simulation to demonstrate the ability of the queue jumper function to work within the arterial progression of the US 441 (SR 7) corridor. We also prepared system functional requirements for the queue jumper function. In addition, Kimley-Horn prepared the signal design plan set for this queue jumper demonstration project.

City of Fort Lauderdale Executive Airport (FXE) General Engineering Consultant, Fort Lauderdale, FL — Staff engineering analyst for rehabilitation of Taxiway Bravo. Project included mill and overlay of Taxiway Bravo, and relocation and expansion of Taxiway Bravo connectors. Provided structural design of security poles and gates on airport perimeter.

Antonio (Nery) Juarbe Pol Airport (ABO) Rehabilitation of Runway 8-26, Arecibo, Puerto Rico — Project engineer for the rehabilitation of Runway 8-26 via mill and overlay of 6,250 tons of bituminous asphalt. Runway 8-26, ABO's only runway, is 3,963 ft x 60 ft. The scope of work included analysis of the runway's existing pavement to determine milling depths and capacity, design of a typical section to accommodate the airport's existing fleet mix, and design of an asphalt interlayer to bridge existing cracks which could not be milled out and prevent them from reflecting through the new asphalt. Responsible for asphalt (P-401) pavement design, grading, cross sections, profile, afield marking, project phasing, opinion of cost, development of technical specifications, and engineer's report. The scope also included the development of an Airports Geographic Information System (Airports GIS) for ABO. This work included collecting airport, survey, aerial, aeronautical and obstruction data to create an Airport GIS system and electronic airport layout plan. Led construction phase services which included: reviewing contractor's work for conformance with the contract documents, reviewing and responding to requests for information, amending contract documents, and reviewing material test results.

The Bristol Seawall Design, Intracoastal Bulkhead, and Construction Phase Services, West Palm Beach, FL — Project engineer. Kimley-Horn served as part of the development team for this 22-story luxury condominium fronting the Intracoastal Waterway just south of the Flagler Bridge in West Palm Beach. Our responsibilities have included providing civil design and analysis, which involved extensive coordination with the project architect and

PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, University of Florida, 2006

Associate of Science, Civil Engineering, Palm Beach Community College, 2003

Professional Engineer in Florida, #73995, January 12, 2012

American Society of Civil Engineers (ASCE)

Florida Engineering Society

Society of Women Engineers (SWE)

SPECIAL QUALIFICATIONS

Has 15 years of experience serving as a staff engineering analyst providing planning, design, and zoning services for various aviation and civil projects

Responsible for performing structural calculations on a number of aviation and civil projects

Assists with airport design services, including pavement evaluations, pavement grading, pavement condition surveys and reports, phasing, drainage design, data collection and organization, engineer's reports, construction phase services, cost estimates, technical specifications, and permitting

Participated in the Florida Department of Transportation Aviation Office Airfield Pavement Inspection Training Course through the FDOT Statewide Airfield Pavement Management Program (certification obtained)

landscape architect. As the project moves to the construction stage, this high-end residential project will be an iconic addition to the West Palm Beach waterfront and skyline.

Brickell Key One Property Structural Assessment and Repair Work, Miami, FL — The project includes an assessment of building structural elements including exterior façade, roof, parking garage and interior structures. Includes structural design, construction drawings, and product specifications, and providing construction phase services during that upcoming phase. Subsequent to a prior property condition assessment of exterior façade and concrete elements of the building, Kimley-Horn was engaged to develop repair plans and specifications for deteriorating buildings and facilities at the site. Brickell Key One is a 20-story oceanfront condominium built in the 1970s.

Countess De Hoernle Park Value Engineering (VE) Services, Boca Raton, FL — Project analyst. The Greater Boca Raton Beach and Park District selected Kimley-Horn and their professional estimator subconsultant to perform an independent cost evaluation of the project being designed by the City's consultant and to perform a VE analysis of the design performed to date. The VE study was based on the review of the 60 percent plans and specifications for the proposed eight athletic fields and a two-building complex facility. The VE study identified that the project, as currently designed, was several million dollars over budget and that proposed VE alternatives totaled savings of up to \$6 million (with changes ranging from site drainage to building consolidation) that would provide the needed facilities at a cost that meets the available budget. The project was redesigned to include many of the recommended changes.

Fort Lauderdale Executive Airport (FXE) Taxiway Charlie and Delta Rehabilitation, Fort Lauderdale, FL — Project analyst. Taxiways Charlie, Delta and their connectors were showing severe signs of longitudinal and transverse cracking, depressions, and weathering. Kimley-Horn was retained to provide design services for the rehabilitation of 1,985 linear feet of Taxiway Charlie and 1,620 linear feet of Taxiway Delta. The project consisted of milling and overlaying existing bituminous pavements, grade correction, striping, and replacing all edge lighting with LED lights. Careful construction phasing was also required as access to fixed base operator ramps and the Customs ramp needed to be maintained during daylight hours.

Airport Pavement Management System for Tallahassee Regional Airport, Tallahassee, FL — Project analyst. Kimley-Horn prepared a pavement management system for all airport-maintained airside and landside pavements at TLH. The project included a field review of the pavements to determine the pavement condition index for each segment and development of a pavement management program based upon pavement condition and preferred maintenance procedures for the Airport. The system will be used in development of a Capital Improvement Program (CIP), projecting the need and budget costs for rehabilitation in future years. It is positioned as a pavement management tool, updated periodically for changes in condition due to rehabilitation and maintenance completion and pavement aging.

Naples Municipal Airport (APF) Runway 5-23 Threshold Improvements, Naples, FL — Project analyst. Kimley-Horn provided design and construction-phase services for the Naples Municipal Airport Runway 5-23 Threshold Improvements project. This project included improving the existing 290-foot threshold displacement on the Runway 5 end by 510 feet and creating an 800-foot displaced threshold on the Runway 23 end of the runway. Additional work included 50-foot-wide extensions of Taxiway A and Taxiway D to provide access to the improved displaced thresholds. Specific elements associated with threshold improvements project included: clearing, grubbing, and earthwork; new bituminous asphalt pavement construction; runway grooving; pavement markings; drainage improvements including the creation of new on-site stormwater areas and the installation of culverts; erosion control; and installation of runway lighting and signage for the displaced thresholds and taxiways. Kimley-Horn's design services included preparing construction plans and specifications for the design of the threshold improvements and associated work, revisions to the Airport Layout Plan, and an environmental assessment (EA). The EA resulted in the issuance of a Finding of No Significant Impact (FONSI) and allowed the development to proceed with minimal mitigation efforts.

Altamonte Springs Gateway Drive Extension Final Design, Altamonte Springs, FL — Project analyst/engineer on the Kimley-Horn team that provided design, permitting, bidding support, and construction phase services for the Gateway Drive Extension project. This project involved the new construction of approximately one mile of four-lane, divided urban roadway from east of Forest City Road to Keller Road. It also included construction of a new two-lane, urban roadway and widening for auxiliary lanes along Maitland Boulevard and Keller Road. The disciplines involved in this project included roadway, drainage, floodplain, utilities, traffic control, signing/pavement marking, signalization, structural, landscaping, permitting and right-of-way-mapping. This project was permitted through Seminole County, SJRWMD, USACE, FDEP, FEMA, FDOT, and the City of Maitland.



Chelsea Marajh, P.E.

Seawalls

Relevant Experience

City of Pompano Beach, Atlantic Boulevard Bascule Bridge Improvements including Decorative Sails and Lighting, Pompano Beach, FL — Project analyst. Kimley-Horn served the City of Pompano Beach with CSA Architects and Burkhardt Construction to incorporate safety and aesthetic improvements to this 400-foot bascule bridge over the Intracoastal Waterway. Kimley-Horn designed a replacement traffic railing to improve safety and aesthetics, as well as an under-bridge walkway to improve pedestrian access to the water. The project involved the design and construction of enhancements to the bridge façade, tender house, traffic railings, lighting, large tensioned sails at each end of the bridge (four total) and computerized uplighting, artwork on bridge façades, land-based lighting, and a pedestrian esplanade under the bridge connecting restaurants and buildings from the south to the north. The design-build team was responsible for complete design, permitting, and coordination with FDOT. Kimley-Horn obtained all permits for the project through coordination with FDOT, USACE, USCG, FDEP, the City, and SFWMD. The project created a signature gateway within the City's Beach district.

Berth 1 Bulkhead Replacement, Port of Palm Beach, Riviera Beach, FL — Structural Analyst. Kimley-Horn is responsible for the analysis, design, and construction document development for upland paving with a bulkhead replacement to -35 ft. dredge depth. Responsibilities also included development of a fast-track construction phasing and sequencing. The slip uses a steel sheet pile wall with a drilled soil anchor tie back system and a concrete cap. At 450 ft. long, this replacement project is a major addition to solve the Port's berthing long-term needs.

Mercy Hospital Seawall and Loading Dock Replacement, Miami, FL — Structural analyst. This project includes strengthening of 2,000 feet of seawall along the perimeter of Mercy Hospital's property in Miami. The construction tasks for this project include steel sheetpile installation, tie rod installation between existing wall and new wall, concrete cap placement, backfill, and site grading. This project also includes the construction of a new landing dock for rescue vessels adjacent to the seawall. Kimley-Horn provided design, planning, bidding, permitting, and construction phase services for this \$4-million project.

Miami Beach Convention Center, Miami Beach, FL — Structural engineer. This project involves the expansion and renovation of the existing convention center as well as the redevelopment of surrounding areas into active parks to create a Convention Center District. This multidisciplinary project includes streetscape; the redesign of Convention Center Drive, 19th Street, and 18th Street; and the realignment of all underground utilities, including large storm culverts, water mains, sewer mains, force mains, and dry utilities. Other civil services associated with the project include improvements and modifications to three signalized intersections; coastal engineering, including the design of the Collins Canal edge stabilization and a secondary floodwall; and environmental engineering, including the preparation of a soil management plan for earthwork management during construction.

Lift Station 13 Rehabilitation, West Palm Beach, FL — Structural analyst. Kimley-Horn was retained by the City of West Palm Beach for the addition of a new electrical room and associated improvements at this lift station in West Palm Beach. Our team designed a new electrical room and placed the new electrical components of the building at an increased

PROFESSIONAL CREDENTIALS

Bachelor of Science, Civil Engineering, University of Florida, 2012

Professional Engineer in Florida, #84300, December 16, 2017

American Institute of Steel Construction

SPECIAL QUALIFICATIONS

Has seven years of civil and structural engineering experience

Software experience includes AutoCAD, Mathcad, TEDDS, STAAD, RISA 3D, and Shoring Suite

elevation to avoid future flooding problems. An evaluation of the existing pumps was also performed to determine if the station can be converted from a triplex to a duplex station once the City begins to bypass flow from Lift Station 5. Kimley-Horn's services included the design of the bypass piping, new landscaping, a new bridge crane, and an overhead door to aid in operations and maintenance, as well as the design of submersible actuators in the dry pit.

Fisher Island Ferry Terminal, Miami, FL — Structural analyst. Kimley-Horn was retained by Fisher Island Community Association for the proposed development of a parking garage and improvements to the existing ferry terminal vehicle loading/unloading area. Kimley-Horn developed various alternatives for the ferry terminal vehicle loading area aimed at facilitating the egress of the vehicle from the loading area and their access to MacArthur Causeway. As part of the design process, the Florida Department of Transportation and Kimley-Horn worked closely to evaluate each option working towards a full construction set of plans inclusive of driveway modification plans, drainage plans, and a traffic signal modification plan. The selected option involved realignment of the egress road, which also triggered a modification to an existing seawall and required permitting. The development of the parking garage was on an adjacent parcel. The development of the site involved the design of access roads to the parking for ingress and egress, site drainage and water/sewer services for the garage which was programmed to have small office space for rental purposes. The design of the access drives was closely coordinated with a second existing ferry to allow the connection of the access drive to the ferry loading area.

Madeleine Villas on Crespi Boulevard for City of Miami Beach, Miami Beach, FL — Structural engineer. Kimley-Horn performed an inspection of an existing seawall along the Tatum Waterway for the City owned apartment complex. As a result of the inspection, Kimley-Horn recommended the replacement of the wall. The project consists of replacing approximately 100 feet of seawall with a new concrete wall. The new design includes raising the top of wall to comply with the City of Miami Beach's new standards. Kimley-Horn is providing inspection, design, permitting, and construction phase services.

St. Petersburg Pier Approach Design, St. Petersburg, FL — Structural engineer. Kimley-Horn is currently providing professional services for the St. Petersburg Pier Approach project. This project consists of the redevelopment of the area between the new proposed Pier and the Downtown Core of Beach Drive. Professional services being provided include site civil engineering, stormwater design and permitting, utility design and permitting, transportation engineering, landscape architecture, parking study, structural engineering, and environmental services.

The Bristol Seawall Design, Intracoastal Bulkhead, and Construction Phase Services, West Palm Beach, FL — Structural analyst for the replacement of 750 linear feet of seawall along the intercostal of West Palm Beach. The site is being developed as a 22-story condominium complex. Providing construction phase services for the installation of the new seawall.

Intracoastal Seawall Design and Construction for Ourisman Residence, B&A Design Builders, Palm Beach County, FL — Structural analyst. The project consisted of performing a condition assessment that confirmed the need to reconstruct an existing residential seawall located along the Intracoastal Waterway in the Town of Palm Beach. The existing wall was more than 50 years old and approximately 70 feet in length. The new wall raised the wall height to meet Town standards for bulkhead flood elevation criteria and was built one foot waterward of the existing wall alignment. Kimley-Horn provided design, permitting, and construction phase services for this project.

E-4 Canal Aerial Watermain, City of Lake Worth, FL — Structural engineer. Kimley-Horn is currently providing professional services for the City of Lake Worth to install a new aerial water main crossing. The project consists of the installation of a pile supported pipe crossing adjacent to the existing bridge to support the proposed watermain. Professional services being provided include site civil engineering, structural engineering, and construction phase services.

North Ocean Boulevard Seawall Replacement, Palm Beach, FL — Structural analyst for the design of the replacement seawall for the Town of Palm Beach along North Ocean Boulevard. Responsible for review and interpretation of Coastal Loading Reports, Geotechnical Reports, and existing record drawings. Created construction drawings based on the structural design and reviewed shop drawings from the contractor. When complete, the project will upgrade the corridor along the beach including approximately 1600 linear feet of seawall replacement, drainage, and pavement.



Allyson Goolabsingh, P.E.

Building Structures

Relevant Experience

The following projects were completed by Ally prior to joining Kimley-Horn

Jade Signature, Sunny Isles, FL — 59-story luxury residences with 3 levels of underground parking on Sunny Isles Beach. Responsible for the design of gravity system including PT slabs, columns, and beams. Responsible for managing construction administration.

River Landing, Miami, FL — 2.2-million-square-foot project with two, 24-story towers above a podium and over 460,000 square feet of big box retail and office space. Responsible for the design of gravity and lateral elements of the retail portion including steel columns, concrete shear walls and steel braced frames, composite slab on metal deck with composite steel beams, hydrostatic slabs within the basement, and pile caps with ACIP piles. Responsible for managing construction administration.

Tenant Buildout Experience: River Landing, Miami, FL — Prior to joining Kimley-Horn, Ally provided construction administration services for a 2.2 million-square-foot project with two 24-story towers above a podium and more than 460,000 square feet of big box retail and office space. Ally was responsible for the design and coordination for new retail and restaurant tenant buildouts. The design included new structural framing to achieve architectural intent (i.e. mezzanines, stairs, etc.); structural framing for hanging and ground/roof mounted mechanical equipment; storefront, window, and nana wall supports; infill slabs on grade and elevated slabs. Ally was also responsible for coordinating tenant buildouts designed by others. She aided in locating mechanical equipment, slab openings, and wall openings to meet client needs while also creating the least number of structural repairs or upgrades to the main building structure.

Paradise Plaza, Miami, FL — 260,000-square-foot luxury retail building in the Design District in Miami. Ally was responsible for the design of gravity and lateral elements including steel columns, concrete shear walls, composite slab on metal deck with composite steel beams, hydrostatic slab within the basement, and shallow foundations. Responsible for managing construction administration, Completion 2018.

Tenant Buildout Experience: Paradise Plaza, Miami, FL — Prior to joining Kimley-Horn, Ally provided construction administration services for a 260,000-square-foot luxury retail building in the Design District. Ally was responsible for the design and coordination for a new luxury retail two story tenant buildout. The design included new framing for unique interior stair, skylight, interior elevator, and storefront supports. The design also required checking existing structure for two new large openings in the main shear wall and coordinating the opening location and dimensions to create the least number of structural upgrades. Responsible for designing and detailing structural upgrades where required. Also responsible for coordinating other luxury retail and restaurant tenant buildouts designed by others. Ally aided in locating mechanical equipment, slab openings, and wall openings in order to meet client needs while also creating the least number of structural repairs or upgrades to the main building structure.

PROFESSIONAL CREDENTIALS

Master of Science, Civil Engineering,
University of Miami, 2013

Bachelor of Science, Civil
Engineering, University of Miami,
2012

Professional Engineer in Florida,
#82392, January 11, 2017

Florida Structural Engineers
Association

SPECIAL QUALIFICATIONS

Ally has nine years of project experience, serving as structural engineer and project manager on a wide variety of public- and private-sector jobs

Software experience includes CSI ETABS, CSI SAFE, RAM Concept, RAM Structural System, RAM Elements, Tekla TEDDS, EnerCalc, SPColumn, Revit, and AutoCAD

Allyson Goolabsingh, P.E.

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Maridence, Nassau, Bahamas — Eight-story luxury hotel with ground level retail in the Bahamas. Responsible for design of the gravity and lateral elements including CIP columns and shear walls, PT concrete slabs, and shallow foundations.

Aloft Miami Aventura, Aventura, FL — 12-story hotel with elevated pool deck. Responsible for design of the gravity and lateral elements including consisting of CIP columns and shear walls, PT concrete slabs, and pile caps with ACIP piles. Responsible for managing construction administration. Completion 2018

Florida Hospital Wauchula, FL — Three-story hospital expansion. Responsible for the design of gravity and lateral elements including concrete tilt wall connections and foundations, composite slab on metal deck with composite steel beams, and shallow foundations. Responsible for managing construction administration.

Flagler Banyan Square, West Palm Beach, FL — 30,000-square-foot waterfront office and retail project. Responsible for the design of the gravity and lateral elements including steel columns, composite slab on metal deck with composite steel beams, concrete shear walls, and shallow foundations. Responsible for designing the structural components for the exterior promenade including stairs, retaining walls, large scale sculpture supports. Responsible for managing construction administration.

Tenant Buildout Experience: Flagler Banyan Square, West Palm Beach, FL — Prior to joining Kimley-Horn, Ally provided construction administration services and field observation reports for 30,000 square feet of waterfront retail and office space. Ally was responsible for design and coordination of the 10,000 square feet ground floor restaurant tenant buildout which included new supports for a nana wall system, new exterior wall openings, canopy support and foundation, PCU hanging support, and exterior fireplace.

Puerto Rico Chamber of Commerce, Miami, FL — Three-story, 36,000-square-foot office building with ground floor retail. Completion 2021. Responsible for the design of the gravity and lateral elements including concrete columns, shear walls, shallow foundations, and post-tensioned concrete slabs.



YVES "STAN" DELMAS, PE

GEOTECHNICAL ENGINEER | PROJECT MANAGER

EDUCATION:

Florida Atlantic Univ.
Bachelor of Science
Civil Engineering
2010

REGISTRATIONS:

State of Florida
PE #80352

EXPERIENCE: 8 YRS.

YRS AT H2R: 2

CERTIFICATIONS:

TIN D45297785

PAPERS WRITTEN:

D. Rancman, T. Nguyen, D. Hart, Y.S. Delmas. "Pile Group Effects and Soil Dilatancy at the Fort Lauderdale International Airport, Proceedings of the 2018 International Foundations Congress and Equipment Exposition (FCEE), Orlando, FL

Stan is responsible for the geotechnical design of civil projects, and the coordination of construction-phase services and inspections for a variety of projects. Stan's design and knowledge of both geotechnical and conventional testing field services result in a skill set that combines his knowledge of design intent and the importance of collecting quality field data. He is experienced in geotechnical construction projects where mix designs, and in-situ testing is critical to the project's success. In addition, he has significant laboratory experience.

TAMPA INTERNATIONAL CURBSIDE AIRPORT EXPANSION, HILLBOROUGH COUNTY, FL

Geotechnical engineering for the Tampa International Airport Curbside Expansion Program which includes the replacement and expansion of the curbsides, new approach and exit bridges, new elevated and at-grade lanes, a new Central Utility Plant, and new vertical circulation buildings. The vertical circulation buildings will accommodate express passenger drop off/pick up and include conditioned lobbies to provide a means for passengers to access the main terminal via elevators and escalators from the new lanes. Responsible for all aspect of the geotechnical exploration programs and geotechnical analyses for different foundation systems, including driven piles and non-redundant drilled shafts.

TAMIAMI TRAIL 2.6-MILE BRIDGE, FL, MIAMI – DADE COUNTY, FL / FDOT D6

As part of the Comprehensive Everglades Restoration Plan (CERP), The Florida Department of Transportation and the National Park Service replaced a portion of the Tamiami Trail Road/U.S. Highway 41 with a new 2.6 mile-long bridge. H2R Corp is responsible to provide geotechnical support to the Construction, Engineering and Inspection team. Responsibilities include oversight of the team performing dynamic pile testing, and review of all geotechnical documents submitted by the design-build team to identify discrepancies and to ensure that the foundations are constructed according to the design plans and the Florida Department of Transportation's specifications.

DISTRICTWIDE GEOTECHNICAL AND MATERIALS TESTING PROJECTS - NASSAU, DUVAL & CLAY COUNTIES, FL / FDOT D2

Laboratory Technician for this districtwide contract that includes soil exploration, geotechnical exploration testing, highway materials testing, construction materials testing, and foundation studies.

I-75 WIDENING PROJECTS - HILLSBOROUGH & PASCO COUNTIES, FL, FDOT D7.

As part of geotechnical engineering and PDA services portion of the I-75 widening project, served as geotechnical engineering services for the CEI. In addition, provided dynamic pile testing services for the corridor which had fourteen bridges. The dynamic pile testing portion implemented the Pile Driving Analyzer (PDA) and the Embedded Data Collector (EDC).

PORT OF MIAMI TUNNEL, MIAMI – DADE COUNTY, FL / FDOT D6

Field Inspector for a major construction project in Miami, Florida. The project is a 0.75-mile-long split portal automotive traffic tunnel connecting the MacArthur Causeway on Watson Island and the Port of Miami on Dodge Island, as well as road improvements around the port of Miami. Work on the project involved downhole camera and field permeability testing on the wall of the tunnel. The project also required unconfined strength on soil cement and a triaxial test on soil.

DYNAMIC PILE TESTING SERVICES, MIAMI – DADE COUNTY, FL / FDOT D6

Project Manager for this project that involved performing dynamic pile testing services for construction of the new express lanes on existing I-75 express lane bridge over the Homestead Extension of Florida's Turnpike. Responsible for monitoring the project at appropriate intervals based on the contractor's schedule. Our firm is responsible for monitoring the test piles and providing pile casting length and recommendations. We are developing the pile driving criteria based on subsequent analyses including WEAP/CAPWAP and PDPILOT.

SR 826/SR 836 INTERCHANGE RECONSTRUCTION, MIAMI – DADE COUNTY, FL / FDOT D6

Field Inspector/Laboratory Technician responsible for construction engineering and inspection services related to foundation installation and testing efforts. This \$550 million design-build project includes the replacement or new construction of more than 40 bridges and several miles of limited-access highway construction, along with the associated ramps, embankments, mechanically stabilized earth (MSE) walls, and other miscellaneous structures. Responsibilities also include oversight of the team performing dynamic pile testing, cross-hole sonic logging, embedded data collector testing, and pile integrity testing on foundation elements.

S.R. 821 WIDENING FROM N. OF SW 72ND TO N. OF SW 40TH ST. - MIAMI – DADE COUNTY, FL / FDOT FLORIDA'S TURNPIKE ENTERPRISE

Geotechnical Engineer for this project in design, including 18-inch prestressed-concrete piles and micro-piles along with MSE and sound walls. Vibration and settlement have created issues with shallow foundation supported bridges and certain nearby structures. Improvements include the widening of Homestead Extension of Florida's Turnpike to three general purpose lanes and two express lanes in each direction; replacing the mainline toll facilities with new all-electronic toll; constructing a new northbound, two-lane exit ramp to Bird Road; removing an old bridge and constructing a new bridge; converting a two-lane frontage road with controlled access; and milling and resurfacing the highway. Project Manager for this design-build project during construction phase, providing dynamic pile testing services, cross-hole sonic logging, vibration monitoring, pile driving inspection, noisewall foundation inspection, and drilled shaft inspection for tolling, signage, and miscellaneous structures.

BRIDGES OF THE ISLES & SUNRISE KEY BRIDGE REPLACEMENTS DESIGN-BUILD - FORT LAUDERDALE, FL / FDOT D4

Geotechnical Engineer responsible for the design of four new bridges and one bridge replacement to provide connectivity between the urmi Isles finger islands, north of Las Olas Boulevard, with S.R. 842 on the mainland. Services included accelerated bridge design and construction in an environmentally sensitive area. The project also involved complex maintenance of traffic, temporary signalization, traffic control plans, extensive utility coordination, geotechnical design, public outreach, and coordination with multiple stakeholders. Also provided construction services oversight, including pile driving inspection, dynamic pile testing and vibration monitoring.



JORDAN NELSON, PE

PROJECT ENGINEER

EDUCATION:

University of Florida
Mechanical Engineering
Bachelor of Science 2011
Master of Engineering 2013

REGISTRATIONS / CERTIFICATIONS:

FL PE #85278
TX PE #132934
WV PE #23595
NI Certified LabVIEW
Developer

EXPERIENCE: 7 YRS

YRS AT H2R: Recent Hire

PROFESSIONAL AFFILIATIONS:

American Society of
Mechanical Engineers
American Concrete Institute
Florida Engineering Society

PUBLICATIONS:

Muchard, Michael K. Nelson,
Jordan D. "Determination of
Unknown Foundation
Lengths for Bridges Using
Parallel Seismic Testing".
ASCE Florida Section 2015.

Nelson, Jordan D. Ferraro,
Christopher C. Algernon,
Daniel. "The Application of
Nondestructive Evaluation
Techniques to Concrete with
Internal Flaws". Structural
Faults and Repair 2014.

Owing to a background in instrumentation, controls engineering, solid mechanics, and manufacturing, Jordan Nelson fills a unique role within geotechnical and construction engineering. He began his carrier in structural materials research for FDOT and moved into deep foundations quality assurance. He has extensive experience in static, bi-directional, and rapid foundation load testing as well as nondestructive integrity testing methods, geotechnical instrumentation, and environmental monitoring. His product development experience has allowed him to advance the art in these services and promote the industry at large.

I-4 ULTIMATE - ORLANDO, FL / SKANSKA-GRANITE-LANE JV / FDOT

Vibration Specialty Engineer and project manager for existing structure protection services. \$2.3B P3 project rebuilding 21 miles of Interstate 4 through metropolitan Orlando. Supported automated remote vibration monitoring equipment, performed structural surveys, and advised on vibration mitigation methods.

SELMON EXPRESSWAY WEST EXTENSION – TAMPA, FL / KIEWIT / TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

Project manager and senior engineer for load testing and internal foundation QC testing. 1.9-mile elevated tollway connecting Lee Roy Selmon Expressway to Gandy Bridge over Gandy Boulevard. Designed and performed four bi-directional load tests with novel modular test frame design. Performed static load test on ACIP foundation for segment walker towers. Oversaw crosshole sonic logging, thermal integrity profiling, and low strain integrity testing on over 150 ACIP and drilled shaft foundation elements.

DISTRICTWIDE UNKNOWN FOUNDATIONS AND SCOUR STUDY – FLORIDA DISTRICT 7 / TIERRA, INC / FDOT

Project engineer for unknown foundations testing. Evaluation of three bridges for scour and durability studies. Performed parallel seismic and low strain integrity and evaluated in situ pile elevations and overall foundation integrity.

COUNTYWIDE UNKNOWN FOUNDATIONS AND SCOUR STUDY – CITRUS COUNTY, FL / INTERTEK-PSI / FDOT

Project manager and specialty engineer for unknown foundations testing. Evaluation of three historical bridges for scour and durability studies. Performed parallel seismic testing using a unique over water approach in close coordination with prime contractor. Evaluated in situ pile elevations to support scour and durability study.

TAMPA INTERNATIONAL AIRPORT AUTOMATED PEOPLE MOVER AND RELATED BUILDINGS – TAMPA, FL / CASE ATLANTIC COMPANY / MALCOLM DRILLING CO / HILLSBOROUGH COUNTY AVIATION AUTHORITY

Project manager and senior test engineer for foundation load tests and integrity testing. Expansion of TPA facilities including automated people mover, consolidated rental car center, expanded taxiway, and APM-served commercial space. Performed three bi-directional load tests on the people mover footprint and one in support of commercial building construction. Performed crosshole sonic logging and low strain integrity tests on deep foundation elements

SEATTLE TACOMA INTERNATIONAL AIRPORT – INTERNATIONAL ARRIVALS FACILITY – SEATTLE, WA / MALCOLM DRILLING COMPANY / PORT OF SEATTLE

Project engineer for foundation load test. Construction of iconic new facility for international arrivals including a 900-foot long, 85-foot high ped bridge over an existing taxi lane. Designed modular load test assembly and oversaw offsite fabrication. Assisted with installation and performed 12,000 kip load test on an expendable test shaft.

US-181 HARBOR BRIDGE – CORPUS CHRISTI, TX / FLATIRON-DRAGADOS JV / PORT OF CORPUS CHRISTI

Senior project engineer for foundation load test program. Replacement of existing steel truss bridge with what will be the longest cable stay bridge in the US as part of six miles of highway replacement. Performed thermal integrity profiling and bi-directional load testing for each pylon foundation with loads up to 15,000 kips.

HONOLULU LIGHT RAIL – HONOLULU, HI / KIEWIT / SHIMMICK TRAYLOR GRANITE JV / HONOLULU AUTHORITY FOR RAPID TRANSIT

Project engineer for bi-directional load testing, integrity testing, and bottom cleanliness testing. 20-mile elevated light railway serving Honolulu and surrounding areas. Designed and performed bi-directional load tests for guideway and stations. Performed bottom cleanliness (Mini-SID) inspections and crosshole sonic logging tests for non-redundant drilled shafts.

WELLSBURG BRIDGE – WELLSBURG, WV TO BRILLIANT, OH / BRAYMAN / FLATIRON / WV DOT

Project manager for drilled shaft load testing, quality control, and integrity testing. Unique tied-arch bridge design spanning the Ohio river to form a new crossing. Designed and oversaw construction of bi-directional load testing assemblies. Oversaw crosshole sonic logging of large diameter drilled shaft foundation elements. Modified and oversaw use of portable mechanical caliper for drilled shaft dimension and verticality testing.

EXPERTISE:

- product and intellectual property development
- mechanical systems design
- solid modeling and simulation
- complex project management
- construction safety
- non-destructive testing (NDT)
- deep foundations testing and quality control
- vibration monitoring and protection of existing structures
- thermal integrity profiling (TIP)
- low strain integrity testing (PIT)
- parallel seismic testing (PST)
- structural concrete NDT
- ground penetrating radar (GPR)
- sonic NDT methods
- data acquisition systems design
- software development
- electronics design and fabrication



THAI NGUYEN, PhD, PE

CHIEF GEOTECHNICAL ENGINEER



EDUCATION:

Ph.D., 2018
M.Sc., 2001
University of Florida
Gainesville, Florida, USA,

EXPERIENCE: 24 YRS

YRS AT H2R: 5

REGISTRATIONS:

Florida P.E. No. 66551, 2007
Master PDA CAPWAP
proficiency, 2012, 2014
SmartPile EDC User No.
020FL0046-13, 2011

PUBLICATIONS:

“Strength Envelopes of Florida Carbonate Rocks near Ground Surface.” *Author, ASCE Journal of Geotechnical and GE, 2019.*

“Case Studies of Rebounds on Long, Slender Piles.” *Author, ASTM StressWave, 2018*

“Case Studies - Driving Concrete Piles in Florida Pinnacle Limestone.” *Author, ASTM StressWave, 2018*

“Evaluation of Existing Deep Foundation Performance Using the FDOT Database to Improve Current Design Methodologies.” *Contributor, FDOT 2005.*

“National Cooperative Highway Research Program Report 507: Load and Resistance Factor Design (LRFD) for Deep Foundations.” *Contributor, TRB, 2004.*

4 other ASCE, ARMA, and Rock Mechanics publications, 2018

Thai Nguyen has extensive knowledge in geotechnical engineering, specifically involving foundation systems for tunnels, bridges, buildings, dams, and other structures. Mr. Nguyen’s technical experience includes: Design of Foundation Systems: spread footings, driven piles, auger cast piles, drilled shafts, etc.; Foundation Testing, Geotechnical Instrumentation and QA/QC during the installation of auger cast-displacement piles, drilled shafts, driven piles, and tie-down anchors; Engineering Data Management; Soil Structure Interaction; Earth Retaining Structures; Slope Stabilities; Construction Methodologies; Ground Improvement Techniques; Vibration Monitoring Programs; Condition Surveys; Forensic Engineering.

FDOT DISTRICT 7 DISTRICTWIDE CONTRACT

Project Manager 2020-current. Manage districtwide contract works involving asphalt plant, pavement coring, verification testing, and all geotechnical services.

TAMPA INTERNATIONAL AIRPORT EXPANSION

Senior Engineer 2019-2020. Review of geotechnical exploration reports and geotechnical analyses for different foundation systems, including driven piles and non-redundant drilled shafts.

C-44 RESERVOIR/STA PROJECT CONTRACT NO. 2 – GEOTECHNICAL AND CONSTRUCTION SERVICES, MARTIN COUNTY, FL, USACE, JACKSONVILLE DISTRICT.

Senior Geotechnical Engineer 2016-2020. Key in the development of value engineering of the toe trench drain construction. Developed techniques, methodologies, and software with primary emphasis on CPT correlations to Soil Dry Density and relative compaction results. In addition, author of custom data management software to capture more than one thousand CPT soundings and ten thousand data sets of density tests, laboratory (Proctor and index) tests for Barnard Construction.

NORRIS CUT TUNNEL, FORCE MAIN MATERIALS TESTING, MIAMI, FL, MIAMI-DADE COUNTY, WATER AND SEWER DEPARTMENT

Senior Geotechnical Engineer for soil mix design and deep soil mixing execution, which is required to construct the tunnel boring machine exit pit at Fisher Island. Tasks for this phase of work includes specialty geotechnical engineering and field services including soil-cement coring, laboratory testing, and other services including construction quality control, Robertson camera, and in-situ permeability testing.

HEFT ALL-ELECTRONIC TOLL COLLECTION PHASE 3 DESIGN-BUILD, MIAMI-DADE COUNTY, FL, FDOT FLORIDA'S TURNPIKE ENTERPRISE

Review Engineer for project that involved the conversion of the mainline and ramp toll plazas on the northern Homestead Extension of Florida's Turnpike (HEFT) to an all-electronic toll facility, including the conversion of tolls to SunPass/E-Pass. Review PDA data on urgent requests, review of geotechnical analyses for drilled shaft design, review CSL tests, Embankment slope stability analyses.

DUKE ENERGY, VARIOUS STATES, USA

Dan River FlyAsh Pond, NC - Assistant Project Manager. Responsible for site liquefaction analyses.

Anclote Power Plant, FL (used to be Progress Energy), Holcim Site, FL and Crystal River Combined Cycle Project, FL - Assistant Project Manager. Responsible for site characterization program, data analyses, geotechnical recommendations.

PHOSPHATE MINES, VARIOUS STATES, USA

Monsanto Blackfoot Bridge Project, Boise, ID

Conda Phosphate Operations, Boise, ID

Project Engineer. Responsible for portions of seepage and slope stability analyses and construction support of phosphate mines.

I-75 WIDENING PROJECTS, HILLSBORO AND PASCO COUNTIES, FL, FDOT D7

Review Engineer for geotechnical engineering and PDA services portion of the I-75 widening project. Responsible for reviewing PDA data. In addition, provided dynamic pile testing services for the corridor which had fourteen bridges. The dynamic pile testing portion implemented the Pile Driving Analyzer (PDA) and the Embedded Data Collector (EDC).

WEIKIVIA, SR429, A² GROUP, INC. CENTRAL FLORIDA EXPRESSWAY AUTHORITY Senior Engineer responsible for reviewing PDA data.

NORFOLK SOUTHERN DRILLED PIERS, MECKLENBURG COUNTY, NC

Senior Engineer responsible for reviewing CSL and PDA testing program for Blue Line Light Rail from Uptown Charlotte to the University of North Carolina.

BIRD FHOSP ISBL, CANADA

Senior Engineer responsible for reviewing PDA testing program for a project in the oil sand region.

FLORIDA TURNPIKE VETERANS EXPRESSWAY WIDENING, HILLSBOROUGH COUNTY, FL

Project Engineer/Manager responsible for PDA testing and Vibration Monitoring on SR-589 over Hillsborough Ave, Johns Road, Channel G, Barry Road, and Henry St Ditch.

LAKE OKEECHOBEE PUMP STATIONS TRASH RAKES, MARTIN AND OKEECHOBEE COUNTIES, FL

Project Engineer/Manager. Responsible for PDA testing, Production Pile Driving Criteria for Structures S129, S131, S133, and S135.

MOFFITT OUTPATIENT CENTER, HILLSBOROUGH COUNTY, FL

Project Manager. Responsible for PDA testing and overseeing PDA testing by others.

ALLNAMICS SMARTPILE SOFTWARE REVIEW, FDOT STATE MATERIAL OFFICE, FL

Project Manager. Responsible for a research project for FDOT State Material Office to review new software packages developed by Allnamics, Inc. and SmartStructures, Inc. for the Smartpile EDC driven pile testing and production pile driving criteria.

OVERLAND BRIDGE REPLACEMENT, JACKSONVILLE, FL

Project Engineer/ Assistant Project Manager. Responsible for reviewing Pile Installation Plan submittal from Contractor and performing PDA verification testing for the design-build project.

PILE DYNAMIC TESTING, I-75 WIDENING, ATKINS/FDOT, HILLSBOROUGH AND PASCO COUNTIES, FL

Project Manager. Responsible for hammer evaluation, PDA and EDC testing on 80 test piles, and development of production pile length and driving criteria recommendations.



DAVE RANCMAN, PE

CEO, SENIOR GEOTECHNICAL ENGINEER | PROJECT MANAGER



Bachelor of Science
Civil Engineering
Case Western Univ. 2002

REGISTRATIONS:

FL PE #70413
PA PE #PE076115

EXPERIENCE: 14 YRS

YRS AT H2R: 2

PROFESSIONAL AFFILIATIONS:

Deep Foundations Institute
American Society of Civil Engineers
American Concrete Institute

PUBLICATIONS:

Rausche, F., L. Liang, R. Allin, & D. Rancman. "Applications and Correlations of the Wave Equation Analysis Program GRLWEAP." Proceedings of the Seventh International Conference on the Application of Stresswave Theory to Piles 2004, Petaling Jaya, Selangor, Malaysia, August 9, 2004.

D. Rancman, T. Nguyen, D. Hart, Y.S. Delmas. "Pile Group Effects and Soil Dilatancy at the Fort Lauderdale International Airport, Proceedings of the 2018 International Foundations Congress and Equipment Exposition (FCEE), Orlando, FL

T. Nguyen, D. Hart, & D. Rancman.
"Case Studies – Driving Concrete Piles in Florida Pinnacle Limestone"

Dave Rancman began his career working on foundation projects across the United States and Caribbean. Through a variety of research projects, he developed unique foundation quality assurance testing equipment and methods that have now become industry standard. With a diverse portfolio, Dave works with clients across a variety of market sectors. He has successfully implemented innovative practices to efficiently manage company assets, including web-based preventative maintenance applications for complex assets, and internally developed staff and equipment management tools. Dave has also developed quality relationships with public entities such as FDOT, in addition to engineering consultants, and contractors, who partner with H2R to provide quality services.

DYNAMIC PILE TESTING SERVICES, I-75 WIDENING PROJECT, SEGMENTS AB, BROWARD COUNTY, FL, FDOT. [2015-present][60110]

Geotechnical Engineer providing dynamic pile testing services for several bridges which had sensitivities to hard and unpredictable surficial limestone. Wave equation analyses, recommended pile lengths, and pile driving criteria were provided. [P049]

I-75 WIDENING PROJECT, HILLSBOROUGH COUNTY, FL, FDOT. [2011-2013][54803]

As part of the geotechnical engineering and pile driving analysis services portion of the I-75 Widening Project, provided geotechnical engineering services for the construction engineering and inspection. In addition, provided dynamic pile testing services for the corridor, which had 14 bridges. The dynamic pile testing portion implemented the PDA and the Embedded Data Collector. [P045]

DISTRICTWIDE GEOTECHNICAL AND MATERIALS TESTING PROJECTS, I-295 AT HECKSHCHER DRIVE INTERCHANGE, NEW BERLIN ACCESS, JACKSONVILLE, FL, FDOT D2. [2014][54376]

Senior Geotechnical Engineer responsible for oversight and performance of dynamic pile testing services through a districtwide geotechnical contract, and coordinating directly with the construction engineering and inspection in the issuance of pile length letters and pile driving criteria. [P043]

DISTRICTWIDE GEOTECHNICAL ENGINEERING AND MATERIALS TESTING, VARIOUS LOCATIONS, FL FDOT D1 [2010][51879]

Project Manager and Geotechnical Engineer for this districtwide, multiyear contract that involves subsurface investigation, laboratory testing, geotechnical recommendations, and design. The project has also included an emergency sinkhole investigation and the rapid development of remediation plans. [P037]

BRIDGES OF THE ISLES AND SUNRISE KEY BRIDGE REPLACEMENTS DESIGN-BUILD SERVICES CONTRACT, FORT LAUDERDALE, BROWARD COUNTY, FL, FDOT D4. [2013-present][57216]

Geotechnical Engineer responsible for this project to design four new bridges and one bridge replacement to provide connectivity between the Nurmi Isles finger islands, north of Las Olas Boulevard, with S.R. 842 on the mainland. This project incorporated accelerated bridge construction techniques through the use of precast superstructure and substructure elements. Services included accelerated bridge design and construction in an environmentally sensitive area with sea grass within the project site. The project also involved complex maintenance of traffic, temporary signalization, traffic control plans, extensive utility coordination, geotechnical design, public outreach, and coordination with multiple community and agency stakeholders. Also provided construction services oversight, including pile driving inspection, dynamic pile testing, and vibration monitoring. [P042]

GEOTECHNICAL SUPPORT CONSULTANT SERVICES, HILLSBOROUGH COUNTY, FL, FDOT D7. [2010][51878]

Project Manager and Geotechnical Engineer for this districtwide contract responsible for providing geotechnical investigation, analysis, and pavement evaluations and design, as well as design services in support of preliminary engineering and construction-related efforts. Data collection, including information from subsurface explorations, pavement coring, earthwork and concrete placement, as well as general quality control inspections were also integral to this project. [P038]

S.R. 821 WIDENING FROM NORTH OF SW 72ND STREET TO NORTH OF SW 40TH STREET, MIAMI-DADE COUNTY, FL, FDOT, FLORIDA'S TURNPIKE ENTERPRISE. [2014-2016][59271]

Senior Geotechnical Engineer for this project in design, including 18-inch prestressed-concrete piles and micropiles along with MSE and sound walls. Vibration and settlement have created issues with shallow foundation supported bridges and certain nearby structures. Improvements include the widening of Homestead Extension of Florida's Turnpike to three general purpose lanes and two express lanes in each direction; replacing the mainline toll facilities with new all-electronic toll; constructing a new northbound, two-lane exit ramp to Bird Road; removing an old bridge and constructing a new bridge; converting a two-lane frontage road with controlled access; and milling and resurfacing the highway. Project Manager for this design-build project during construction phase, providing dynamic pile testing services, cross-hole sonic logging, vibration monitoring, pile driving inspection, noisewall foundation inspection, and drilled shaft inspection for tolling, signage, and miscellaneous structures. [P047]

TURNPIKE SERVICE PLAZA IMPROVEMENTS, VARIOUS LOCATIONS, FL, FDOT, FLORIDA'S TURNPIKE ENTERPRISE. [2009-PRESENT][51233]

Geotechnical Engineer for the rehabilitation of eight service plazas located an average of 40 miles apart along the 300 miles of Florida's Turnpike. This design-build-finance project involves providing construction materials testing; performing geotechnical analyses; performing subsurface investigations; conducting laboratory tests; analyzing and designing foundations for convenience stores, restaurants, fueling area canopies, and fuel farms; developing pavement designs for car and truck parking facilities and access roads; and investigating stormwater retention facilities. Improvements include new service buildings, new convenience stores, asphalt and concrete parking areas, entry and exit ramps, gas stations, ponds, drainage, and other related facilities. [P036]

VOINOVICH PARK PEDESTRIAN BRIDGE, CLEVELAND, OH, OHIO DEPARTMENT OF TRANSPORTATION (ODOT).

Civil Engineer involved in ODOT's project development process (PDP) for the proposed pedestrian bridge from the Finger Pier to Voinovich Park in Cleveland's North Coast Harbor, adjacent to the Rock and Roll Hall of Fame. This included completing tasks in the minor PDP steps and being responsible for utility coordination for the project in its preliminary stages. [P029]



Oscar J. Cruz, P.E.
Senior Structural Engineer
Availability: 70%

PROFESSIONAL PROFILE

Years with Firm: 2



Mr. Oscar Cruz is a Senior Structural Engineer with 19 years of design and inspection experience including new bridges, replacement bridges and widenings for concrete and steel structures. Mr. Cruz experience also includes the preparation of construction documents for bridge rehabilitation projects, including crack injections, spall repairs, expansion joint replacements, and fender replacements. Additional structural design experience includes, retaining walls (MSE and CIP), critical sheet pile walls (Cantilever and Anchored) sound barrier walls, FDOT Tri-Chord sign structures (Cantilever, Butterfly and Span), ITS structures, mast arms, strain poles, light poles, box culverts, corrugated pipe culverts, misc. steel structures and traffic-railing retrofits as well as bridge load ratings. Post design experience includes responses to RFI's, Shop Drawing reviews as well as Construction Inspections including QA/QC. Oscar has prepared analysis reports for existing miscellaneous structures with and without planned additional loading following the requirements of the FDOT FDM Chapter 267 and the FDOT Structures Design Manual. Mr. Cruz Experience also includes vertical structures, including building design, inspections and renovations following the Florida Building Code.

Professional Registrations

Florida License # 63889 (2006)

Education

BS Civil Engineering, FIU, Dec. 2000

Professional Affiliations:

Florida Engineering Society 2016

Professional Qualifications:

Temporary Traffic Control (TTC) Advanced Level, FDOT, 2019. OpenBridge Designer (Bentley) FLUG Training Forum, 2019.

REPRESENTATIVE PROJECTS

Indian Creek Drive Retaining Walls; City of Miami Beach, FL – 06/2020 thru Present - Structural Engineer of Record in charge of the design and plans preparation of multiple retaining walls for this important improvement project along Indian Creek Drive, from 25th Street to 35th Street. Wall designs include Permanent Concrete Seawalls, Permanent Steel Sheet pile walls and temporary critical sheet pile walls designed to protect the roadway during the installation of multiple drainage structures required along the project. Walls required special consideration due to the extremely aggressive marine environment. Other tasks included the design of traffic railing mounted decorative light poles. **Contact:** Mr. Maher Maaliki, P.E., 305-720-5548.

Venetian Causeway Hurricane Irma Repairs, Miami-Dade County, FL - 04/2020-Present - Project Manager and Structural Engineer of Record in charge of the preparation of construction documents to address damages created by Hurricane Irma at the two bascule bridges of this important corridor. Scope includes fender and tender house repairs for bridge Nos. 874459 & 874474. **Contact:** Mr. Gabriel Delgado, P.E., 786-469-5371.

311 & 911 Support Area Renovation, Doral, Florida – 12/2019-Present, Miami-Dade County, FL - Structural Engineer of Record in charge of the structural plans and calculations for the construction of a two level 8,500 square foot area at the Lightspeed Facility in 11500 NW 25th Street, Miami-Dade County, Florida. The two-level structure will be built within an existing building and is designed to support mechanical equipment at the mezzanine level and to provide accommodations for the staff responding to 311 and 911 calls. The proposed supporting frame includes steel columns and beams supported on concrete foundations. The roof is supported by steel joists. Mr. Cruz also prepared the structural section of the project specifications manual. Based on the 2017 Florida Building Code.

G-72 Control Structure; BCC Engineering, 03/15/2019-Present - Structural Engineer in charge of calculations and plans for a South Florida Water Management District Control Structure within the C-7 canal in Miami-Dade County. Services include the design of a CIP concrete twin box culvert, anchored steel sheet pile walls, CIP wing walls and spilling well steel platforms. Responsibilities included the preparation of construction cost estimates and project specifications. **Contact:** Mr. Danny Raymat, P.E., 305-670-2350.

MacArthur Causeway East Bridge Repairs, LEAD Engineering Contractors, FL – 05/2019-06/2020 - Specialty Engineering Services, Structural EOR in charge of the development of an Engineering Analysis Report to document the presence of non-structural deck cracks and recommend repair solutions. The bridge was built in 1957. It is 2,155' long and has 34 prestressed concrete girder approach spans, 15 of them being 45' long and the remaining 19 being 65' long as well as 3 continuous steel girder main spans (70', 105', 70'). **Contact:** Mr. Fernando Sanchez, MSCE., 305-615-3272 Ext. 102

NW 136th Avenue and SR 84 Intersection Improvements; LEAD Engineering Contractors, FL – 05/19-06/2020 - Specialty Engineer in charge of the design and plans preparation of a temporary utility bracket to support an existing 12" sanitary sewer force main during bridge replacement activities. Utility bracket consisted of structural steel W shapes supported on the existing concrete intermediate bent caps. The utility support was designed to accommodate worse case Plans and calculations follow FDOT design criteria. **Contact:** Mr. Fernando Sanchez, MSCE., 305-615-3272 Ext. 102

Hard Rock Stadium Pedestrian Bridges and Tunnels; A&P Consulting Transportation Engineers, Inc.; FL - 01/2019-09/2019 Structural Engineer in charge of the verification of shop drawings and design calculations for 2 prefabricated truss bridges and 2



Oscar J. Cruz, P.E.
Senior Structural Engineer
Availability: 70%

precast concrete arch tunnels constructed at the Hard Rock Stadium in Miami Gardens, Florida. Design elements included steel design, steel sheet piling, MSE Wall control drawings, joints, bearing plates and waterproofing systems. Responsibilities also included assisting the CEI team with design structural related RFI's. **Contact:** Mr. Erik Sibila, P.E., CGC, MSCE. 305-283-9816

SR9/I-95 at Sunrise Blvd. Interchange Improvement; Broward County, FL - 01/2017-05/2019 - EOR for the widening of 3 existing multi span AASHTO beam bridges which connect at the second level intersection between Sunrise Blvd. and I-95. Scope includes superstructure adjustments to accommodate additional traffic lanes, pier mounted signal mast arms and overhead sign structures, MSE and temporary sheet pile wall designs as well as requirements for crossings over CSX. Mr. Cruz is responsible for reviewing the existing load rating calculations to determine the adequacy of the existing bridges to be widened as well as Load Ratings taking into account the bridge's proposed geometry. **Contact:** Mrs. Bing Wang, P.E., 954-777-4406.

Indian Creek Pump Station Outfall Structure Stability Analysis; David Mancini and Sons, Inc., FL – 04/2019-05/2019 - Specialty Engineer in charge of the structural evaluation of the "as-built" condition of the outfall structure constructed as part of the pump station project at Indian Creek Canal in Miami Beach, Florida (FPID No. 439228-1-32-01). Tasks included the evaluation of horizontal earth pressure, including live load surcharge and lateral water pressures **Contact:** Mr. Christopher Lazzari, 954 895-0741.

Professional Engineering Design Consulting Services Districtwide - FL 06/2015 - 05/2016 - TWO included: Intersection of SR25/S. Okeechobee Rd at W12th Ave/NW 74th St; Sunset Drive and SW 87th Ave and NW 12th Ave from SW 8th St to NW 14th St., in Miami-Dade County. Engineer of Record in charge of the preparation of the signal mast arm analysis and design reports required for these safety improvements projects including signal head modifications and back plate installations installed to new and existing mast arm structures. Oscar also assisted in the review and approval of shop drawings for drainage structures installed throughout the projects. **Contact:** Mrs. Alina Fernandez, P.E., 786-845-9540.

FDOT 6 District wide Safety Improvement Projects - 6/2017- 05/2019 - Structural EOR responsible for the analysis of multiple existing signal mast arms throughout the district. Types of mast arms include FDOT and Miami Dade County configurations. Structural reports were based on AASHTO LRFD, LTS-6 and LTS 6 with appendix C, as allowed by the FDOT Structures Manual for analysis of existing structures receiving additional loading. TWO: Intersection of NE 135th St. and Memorial Hwy., and Flagler St. and NW 79th Ave. among others. **Contact:** Mr. Edwin Mojena, P.E., 305-503-9873

SR 826-Seg. 1, Palmetto Expwy from I-75 to N Canal C-8 Bridge - 01/2016-05/2019 - EOR for the preparation of the BDR and construction documents for 3 new bridges required needed along SR 826 Mainline. Design activities include the plans preparation of three FIB type bridges constructed in phases with pile supported substructures. Load ratings were performed using the FDOT Prestressed Beam Mathcad Software. Substructure designed was based on Leap Bridge Concrete (former RCPier). **Contact:** Mr. Raul Quintela, P.E., 305-470-5271.

DW Local Government In-Depth Bridge Inspection; Miami-Dade County, FL - 11/2017-05/2019 - Project Manager (Sub-Consultant), assisted in the structural inspections for multiple Local Government owned Bridges. Activities included the Bridge Inspection Report Preparation using BrM and BMS for 20 bridges with multiple owners including, Miami-Dade County, City of Miami Beach, City of Homestead and Miami-Dade Transit. Bridge types ranged from CIP slabs, prestressed slab units and steel configurations all supported on pile foundations. Responsibilities included the review of load rating reports to confirm that rating values were accurately reported in BrM. **Contact:** Mr. Pablo Orozco, P.E., 305-470-5370

MIA Bldg. 3000 Edge Beam Repairs – Miami-Dade County, FL. MDAD, 06/2016 – 01/2017 - Structural EOR for the preparation of construction documents including construction cost estimates for the repairs of the existing Miami International Airport Edge Beam connecting the departures bridge to the main building. Tasks included: beam repair procedures, Maintenance of Traffic, scheduling, scaffolding requirements as well as the approval of proposed repair products. **Contact:** Mr. Darrell Palmer, P.E., 305 876-0830

Monroe County Shared-Use Path – Pedestrian Bridge, Monroe County, FL, Monroe County. 06/2012-06/2015 Engineer of Record in charge of the design and plans preparation of a 10-foot-wide, 120-foot-long single-span pedestrian bridge over the Marvin D. Adams Water Way. The superstructure consisted of (2) FIB 45 beams supported on shallow foundations and MSE Walls. The project included enhanced aesthetics and material selection coordination for this extremely aggressive environment. **Contact:** Mrs. Judith Clarke, P.E., 305-295-4329.

NW 42nd Avenue Bridge Replacement, City of Miami Gardens (ARRA) 09/2011 - 07/2012 - Engineer of Record in charge of the design and plans preparation for the bridge replacement at this important canal crossing. The Design-Build Scope of work included structural analysis as well as bridge load rating calculations following LRFR as modified by the current edition of the FDOT Structures Design Guidelines. Replacement required phased construction and coordination with Geotech, Drainage and Environmental Disciplines. **Contact:** Mrs. Mariana Pirticiu, P.E., 305-622-8000 x 3104



Jorge A. Canales, P.E.
Senior Structural Engineer QA/QC
Availability: 70%

PROFESSIONAL PROFILE

Years with Firm: 2



Mr. Canales provides technical expertise in the design and plan preparation, construction and inspection of highway structures and educational facilities. He has been responsible for the preliminary and final design of various highway structures and roadway design located in multiple states. He provides in-house quality control and quality assurance in the design and plan preparation of highway and building structures, including traffic signals, mast arms and roadway design for state and local municipal agencies. Mr. Canales has managed the structural design staff of major national design consulting firms in Illinois, Virginia and Florida. He brings over 49 years of experience in bridge and retaining wall engineering and plan preparation, calculation of construction quantities and special provisions, construction supervision, bridge inspection and rating analysis of steel, concrete and timber structures, and concrete box culverts. Mr. Canales has been responsible for the preparation of the scope of work, man-hour estimates, negotiations, scheduling and staffing for all transportation services contracts including construction services.

Professional Registrations

Florida License # 60444 (2003)

Education

BS Civil Engineering University of Missouri 1978.

BS Building Engineering Lincoln University of Missouri 1968

REPRESENTATIVE PROJECTS

Indian Creek Drive Retaining Walls; City of Miami Beach, FL – 06/2020 thru Present - Structural Engineer in charge of the QA/AC for the design and plans preparation of multiple retaining walls for this important improvement project along Indian Creek Drive, from 25th Street to 35th Street. Wall designs include Permanent Concrete Seawalls, Permanent Steel Sheet pile walls and temporary critical sheet pile walls designed to protect the roadway during the installation of multiple drainage structures required along the project. Walls required special consideration due to the extremely aggressive marine environment. **Contact:** Mr. Maher Maaliki, P.E., 305-720-5548.

311 & 911 Support Area Renovation, Doral, Florida – 12/2019-Present, Miami-Dade County, FL - Structural Engineer in charge of the QA/QC of structural plans and calculations for the construction of a two level 8,500 square foot area at the Lightspeed Facility in 11500 NW 25th St., Miami-Dade County, Florida. The two-level structure will be built within an existing building and is designed to support mechanical equipment at the mezzanine level and to provide accommodations for the staff responding to 311 and 911 calls. The proposed supporting frame includes steel columns and beams supported on concrete foundations. The roof is supported by steel joists. Mr. Cruz also prepared the structural section of the project specifications manual. Based on the 2017 Florida Building Code.

G-72E Control Structure; BCC Engineering, 03/15/2019-Present - Structural Engineer in charge of the quality control for calculations and plans for a South Florida Water Management District Control Structure within the C-7 canal in Miami-Dade County. Services include the design of a cast in place concrete twin box culvert, anchored steel sheet pile walls, cast in place wing walls and spilling well steel platforms. Responsibilities included the preparation of construction cost estimates and project specifications. **Contact:** Mr. Danny Raymat, P.E., 305-670-2350.

MacArthur Causeway East Bridge Repairs, LEAD Engineering Contractors, FL – 05/19-06/2020 - Specialty Engineering Services, Structural QA/QC for an Engineering Analysis Report to document the presence of non-structural deck cracks and recommend repair solutions. The bridge was built in 1957. It is 2,155' long and has 34 prestressed concrete girder approach spans, 15 of them being 45' long and the remaining 19 being 65' long as well as 3 continuous steel girder main spans (70', 105', 70'). **Contact:** Mr. Fernando Sanchez, MSCE., 305-615-3272 Ext. 102

Hard Rock Stadium Pedestrian Bridges and Tunnels; A&P Consulting Transportation Engineers, Inc.; FL - 01/2019-09/2019 Structural Engineer in charge of the verification of shop drawings and design calculations for 2 prefabricated truss bridges and 2 precast concrete arch tunnels constructed at the Hard Rock Stadium in Miami Gardens, Florida. Design elements included steel design, steel sheet piling, MSE Wall control drawings, joints, bearing plates and waterproofing systems among others. Responsibilities also included assisting the CEI team with structural design related RFI's. **Contact:** Mr. Erik Sibila, P.E., CGC, MSCE. 305-283-9816

Indian Creek Pump Station Outfall Structure Stability Analysis; David Mancini and Sons, Inc., FL – 04/2019 thru 05/2019 - Specialty Engineer in charge quality control for the structural evaluation of the "as-built" condition of the outfall structure constructed as part of the pump station project at Indian Creek Canal in Miami Beach, Florida (FPID No. 439228-1-32-01) **Contact:** Mr. Christopher Lazzari, 954 895-0741.

Golden Glades Park and Ride; LEAD Engineering Contractors, FL - 01/2019-04/2019 - Specialty Engineer in charge quality control for the verification of shop drawings and design calculations for a 10' wide pedestrian canopy to be used as temporary shelter



Jorge A. Canales, P.E.
Senior Structural Engineer QA/QC
Availability: 70%

for bus access. Tasks included the design verification of manufactured scaffolding elements. **Contact:** Mr. Fernando Sanchez, MSCE., 305-615-3272 Ext. 102

Florida Department of Transportation – District 6. I-75 and Palmetto Express Lanes, Design Build Project. 10/2013 – 12/2013. Senior Project Engineer. Responsible for the preliminary design of all the concrete retaining walls along the Palmetto (SR 826) Northbound and Southbound; and steel sheet piling walls with anchors along the Peter's Pike Canal. **Contact:** Mr. Doug Hershey, P.E., 813-357-3750.

Asset Management - Bridges, Signs, Traffic Signal Mast Arm and High Masts, Monroe County, FL. 03/2007- 06/2012 - Project Manager. Responsible for the management of inspection teams, including the execution of the planning, scheduling and inspection of bridges, overhead signs, traffic signal mast arms and high mast light poles along the SR A1A through the Florida Keys. Responsible for the preparation of work recommendations in the FDOT MMS. **Contact:** Mr. Pablo Orozco, P.E., 305-470-5370

Florida Department of Transportation- District 6. District-wide Local Government In Depth Bridge Inspection. 3/2011 - 3/2013. Project Supervisor. Responsible for the Quality Assurance and Quality Control for the routine, interim and emergency inspection, and Pontis inspection reports. **Contact:** Mr. Pablo Orozco, P.E., 305-470-5370.

Florida Department of Transportation- District 4. Overhead Sign Inspection Services. 4/2013 - 10/2014 - Project Supervisor. Responsible for the Quality Assurance and Quality Control for the routine, interim and emergency inspection, and Pontis inspection reports for overhead signs. **Contact:** Mr. Miguel Soria, P.E., 305-447-2575

Miami Dade Expressway Authority. Asset Management Contract - Bridges, Signs and High Masts, 03/2004-4/2010 - Project Manager. Responsible for the management of inspection teams including the execution of the planning, scheduling and inspections of bridges, overhead signs, and high mast light poles in Miami-Dade County within the MDX system, for the last four years. Coordination with MDX personnel in preparing and updating a data-based system for work recommendations. Responsible for the preparation of work recommendations in the FDOT MMS. **Contact:** Mr. Jose Darsin, P.E., 786-402-7422.

95th Street Extension Improvement Project, Illinois (Lakewood Homes, Inc.) 8/2001-7/2002 - Responsible for the Quality Control and Quality Assurance for the final design and plan preparation for 3,052 feet of arterial road from Plainfield-Naperville Road to Eagle Brook Lane. Work included composite topographic and planimetric survey base sheets; preliminary engineering; street pavement improvements with curb and gutter; storm sewer and storm sewer structures; public sidewalk construction; street lighting per City of Naperville ordinances; pavement striping and traffic control signage; erosion and sedimentation control measures and devices; traffic control and stage construction plans; and preparation of public notices, bid forms, instructions to bidders, final plans, specifications, contract documents and schedule of quantities. **Contact:** Carmelo Acevedo, P.E., 630-862-2100.

City of Naperville. 103rd Street Improvement Project, Naperville, Illinois. 9/2001 – 12/2001. Senior Project Engineer. Responsible for the Quality Control and Quality Assurance for the final design and plan preparation for 2,587 feet of road. Improvement includes complete removal of the existing pavement section, including sub-grade material, and replacement with a new pavement section. This project also required partial removal and replacement of the curb and gutter, storm sewer work, sidewalk removal and replacement, restoration of asphalt and gravel drive aprons, mailbox relocation, pavement markings, landscape restoration with sod, and traffic control and protection. **Contact:** Carmelo Acevedo, P.E., 630-862-2100

City of Aurora, Indian Trail Road Improvements, Aurora, Illinois. 1/2002 – 5/2002. Responsible for the final design and plan preparation of 5,330 feet of Section I of the Indian Trail Rd. from the DuPage County line to Farnsworth Ave. Work included topographic, planimetric field survey, modification to base sheets, incorporation of new city standards into the contract documents, modification of regulatory FIS backwater model, updating the IDNR-OWR permit application, preparation of grading plan for compensatory storage site, structural design revisions to preliminary box culvert, processing IEPA/Fox Metro sanitary sewer main, IEPA water main extension permit applications, wetland inventory delineation/wetland quality assessment, stormwater management permit application, and the design of stormwater management facilities. **Contact:** Carmelo Acevedo, P.E., 630-862-2100.

City of Geneva. Geneva Drive Improvements, Geneva, Illinois. 4/2002 -07/2002. Senior Project Engineer. Responsible for the final design and plan preparation, cost estimate and specifications for the construction of 1,780-feet of Geneva Drive. Road improvements included new pavement, extension of sanitary and storm sewer, sidewalk, landscaping, stormwater management basin, and street lighting. **Contact:** Carmelo Acevedo, P.E., 630-862-2100.

Port Everglades Bond Survey, Broward County Public Works Department Seaport Engineering and Construction Division. Senior Inspector. Responsible for the visual inspection of the structural seawalls, fender systems and bollards, cruise terminals building parking garage structures and over 20 buildings structures own and maintain by the Port Authority. Additionally, a list of the found deficiencies were presented along with a probable estimate of construction cost.



Gregory P. Dover, P.E.
Senior Structural Engineer
Availability: 70%

PROFESSIONAL PROFILE

Years with Firm: 1



Mr. Dover's 29-year experience includes project management duties, as well as Engineer-of-Record duties such as design and plans production. Mr. Dover mentors and trains junior staff and assists in pursuing upcoming projects. Experience in structural design includes phase review, design management, and construction project management. Has primary experience in concrete and steel bridge design, advanced structural modeling, and bridge inspection, as well as miscellaneous structures design including retaining walls, overhead signs, traffic signals, and buried drainage structures. Additionally, has recent design-build experience in direct construction support for field change requests, contractor requests for information (RFI), and utility conflict resolution. Work experience includes private, municipal, county, state, and federal clients at the planning, design, and construction stages. Contract management duties comprised design-build, public-private partnerships (PPP), and traditional design-bid-build contracts. Experienced in managing risks associated with different procurement methods. Mr. Dover has completed multiple Load Rating Calculations.

Professional Registrations

Florida PE License # 57684 (2001)
 North Carolina PE License # 020635 (1995)
 South Carolina PE License # 20273 (2000)

Education

BS Civil Engineering, North Carolina State University, 1990

Professional Qualifications:

Envision Sustainability Professional (ENV SP): Institute for Sustainable Infrastructure (2017)

REPRESENTATIVE PROJECTS

Indian Creek Drive Retaining Walls; City of Miami Beach, FL – 06/2020 thru Present - Structural Engineer developing design and plans preparation of multiple retaining walls for this important improvement project along Indian Creek Drive, from 25th Street to 35th Street. Wall designs include Permanent Concrete Seawalls, Permanent Steel Sheet pile walls and temporary critical sheet pile walls designed to protect the roadway during the installation of multiple drainage structures required along the project. Walls required special consideration due to the extremely aggressive marine environment. Other tasks included the design of traffic railing mounted decorative light poles. **Contact:** Mr. Maher Maaliki, P.E., 305-720-5548.

Brickell over Miami River Bridge Tender House Modifications, Miami, FL, FDOT District 6 – 2019. Engineer of record for the modifications to the bridge tender house to accommodate additional monitoring equipment on the outside of the building. The scope of work including on-site inspection of the structure, structural modeling of the building frame, including the roofing, for the additional wind load and weight on structure. Also design of the mounting system to attach the equipment to the building. **Contact:** Pablo Orozco, PE (FDOT D6, 800-435-2368).

SR 826 - Palmetto Segment 4, FDOT District 6, FPID 435760-4-52-01 – 2016-2019. Responsible for the management and engineer of record for a 3-span bridge (SR 826 over 47th Ave.) The bridge consists of 54" FIB girder beams, 200 ft. (+) long end bents on 18" prestressed concrete piles (PCP), and multi-column piers on concrete footing caps with 24" PCP. Project involves intricate MOT phasing with new lanes skewed to the existing alignment, and also requires critical temporary sheet piles in order to place the footings. Close coordination with the Geotech engineer includes existing pile extraction, and optimization of foundation selection, and minimization of pile driving vibrations affecting adjacent businesses. Mechanically stabilized proprietary walls were used on the bridge approaches, along with anchored sheet pile walls between phases of construction. Additionally, the project includes drainage box modifications, as well as sign structures. Developed BDR and associated plans, calculations, and cost estimates. Project is currently at the 90% level. **Contact:** Raul Quintela, PE, 305-470-5271 Length of Corridor: 2 miles

Henry Kinney Tunnel Rehabilitation and Pedestrian Plaza Structure, FDOT District 4, FPID 439714-1-32-01 – 2016-2019 Project manager and engineer of record for the design of sign and signal structures approaching the tunnel, including DMS signs, entrance gates, over-height vehicle detection structures, as well as the Pedestrian Plaza Structure (tunnel extension) to capture urban space for pedestrians along the Las Olas Riverwalk area of Fort Lauderdale. This requires modification to this category 2 structure, and close coordination with FDOT Central office and FDOT D4 structures and bridge maintenance offices. In addition, he is closely coordinating City of Fort Lauderdale and other affected agencies such as first responders, and State Historic Preservation Office. **Contact:** Fausto Gomez, PE, 954.777.4466 Length of Corridor: 5 miles

Mathews Bridge Rehabilitation, Jacksonville, FL, FDOT District 2 – 2012-2018. Engineer of record for the painting and rehabilitation of steel members on the approach spans of SR 10A over the St. John's River. Two additional bridges were painted over the out of service railroad and Palmetto St. Post Design services included review of containment plans and calculations, as well as



Gregory P. Dover, P.E.
Senior Structural Engineer
Availability: 70%

rehabilitation of elements which were further deteriorated since the last bridge inspection. **Contact:** Jeff Bailey, CBI, 904-360-5577
 Length of Corridor: 2 miles

Districtwide Plans Review, Miami-Dade County, FL, FDOT District 6. Task Work Order 1 - 2018-2019 – Design of substructure for bridge 9 of the Golden Glades Interchange in Miami, FL. The substructure was designed to support a curved steel bridge. The bent cap was a post and beam type, with 2 non-redundant drilled shafts. A lateral shaft analysis was also performed to set the minimum tip elevation of the shaft. **Contact:** Hailing Zhang, PE, 305.470.5484 Length of Corridor: 2 miles

Miami Dade Expressway Authority – Bridge Rehab and Repairs Contract. – 2018-2019 - As general consultant, provided rehab and repair plans for 80 bridges, including joint repair and replacement, as well as bridge jacking and bearing replacements. Investigated proprietary types of joint systems and obtained FDOT approval to use new types of joints to further the lifespan and simplify the repairs, while lowering life cycle costs. **Contact:** Juan Toledo, PE, 305.637.3277 Length of Corridor: 2 miles

Miami Dade County DTPW, 2018-2019 - - EOR and PM for THE replacement of a bridge designed as a 3-span continuous deck slab, supported on pile bents and pile end bents. Special bridge aesthetics were coordinated with the County and local municipalities to further enhance the end user experience. **Contact:** Gabriel Delgado, PE, 305.510.2257 Length of Corridor: 0.25 miles

NW 79th Ave bridge, FDOT District 6, Miami, FL, 2018-2019 - - Engineer of Record for a bridge widening for 79th Ave. over a canal. Bridge was designed as a 3-span continuous deck slab, supported on pile bents and pile end bents. Special consideration was given to the flared ends of the bridge, as well as to the design of the bulkhead pile and panel wall at the ends of the bridge. **Contact:** Raul Quintela, PE, 305-470-5271 Length of Corridor: 2 miles

Ports - Berth 17 Improvements, Palm Beach County, FL, Port of Palm Beach., 2016-2017 - Engineer for the design of structural elements to lengthen the berth and provide a new wall in front of the old wall. This involved considerations of dredging, calculation of berthing and mooring forces, as well as assisting in the design of several wall types, including secant walls and anchored steel sheet pile walls. Also served as the design engineer for the dolphins, including the piling, to accommodate the berthing and mooring forces.

Ports - Berth 9 Reconstruction, Tampa, FL, Port Manatee. 2015-2016 Structural Engineer for the redesign of the deteriorated Berth 9 bulkhead. A king pile system was used consisting of pipe piles with intermediate sheet piles in front of the old cell-type wall. Several alternates were provided to the client using different load cases and dredge depths so the client could choose the most appropriate wall sizes within the budgetary constraints. The wall was designed for corrosion to achieve the service life required. Special considerations were given to constructability due to the vibrations of installing new piles near the existing cell wall.

7-Mile Bridge Rehabilitation, Monroe County, FL, FDOT District 6. 2015-2016 Structural Engineer for the rehabilitation of a 35,000' long bridge over the ocean, which is a critical bridge linked to the Florida Keys. This bridge is in the most extreme corrosive marine environment possible, with structural elements permanently in the splash zone resulting in accelerated corrosion, and constant cracks, spalls, and delaminations. Responsibilities included assessment of the existing structural condition and preparation of design and plans for bridge rehabilitation and corrosion protection systems. This bridge was the basis of a research project for FDOT to try out multiple corrosion protection schemes. Our team evaluated these and other options and recommended the best solutions of galvanic protection systems that fit within the budget. In further discussions with FDOT, offered several options for a permanent impressed current corrosion protection solution to extend the service life of the bridge to 50 more years, with the benefit that major rehabilitation work did not have to be programmed every 5 years. Also involved with the design of a temporary steel frame- jacking support system to remove sections of columns that required emergency rehabilitation. This innovative solution allows one column in a two-column pier to be rebuilt without shutting down traffic on this critical bridge. **Contact:** Mr. Pablo Orozco, P.E., 305-470-5370

I-595 Roadway Improvements Project (Design Phase), Broward County, FL, FDOT District 4. 2010-2015 Deputy Structures Manager for the design of 65 bridges and Engineer-of-Record for more than 100 sign and drainage structures for this design-build-finance PPP project. This 10.5-mile corridor provided express lanes in the median of I-595 and required many structures to be modified, including concrete and steel bridges, both short and long spans. Directed multiple design teams from other regions, which included training personnel on local codes and standards, reviewing bridge and wall plans, and verifying quality assurance (QA) of the submittal package; designing project standards for overhead-sign-structure foundations, including drilled shafts and footings on piles; leading weekly team meetings with designers; maintaining structures' project schedule; and handling monthly progress reports, monthly invoicing, scope change requests, and responses to FDOT and Florida's Turnpike Enterprise comments.

Districtwide Plans Review, Miami-Dade County, FL, FDOT District 6. Structural Engineer performing plans review for various bridge plans brought forth by FDOT. Plans were given a comprehensive review for compliance with FDOT guidelines at each design phase. Work involved various types of bridge superstructures including prestressed AASHTO beams and various types of substructures including bents on piles and post-and-beam with pile footing configurations.



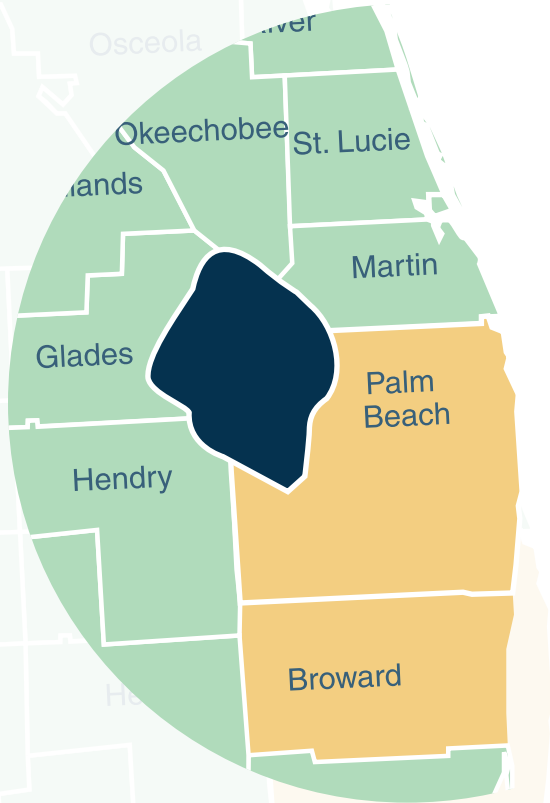
**pompano
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Florida's Warmest Welcome

Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



SECTION 9 OFFICE LOCATIONS

Kimley-Horn's prime office is located in West Palm Beach, less than one hour away from the City's offices. Your project manager, **Jamea Long, P.E.**, will lead all engineering services for the Continuing Contract for Structural Engineering Services from this location. Our prime office is currently home to 144 employees. Team members selected for this effort work from this local office, as well as from our offices in Fort Lauderdale and Boca-Delray. Additional Kimley-Horn employees may be called upon to support the project if necessary; Kimley-Horn has nearly 800 employees in 16 offices across the state ready to assist the City on an as-needed basis.



Kimley-Horn West Palm Beach Office

Office Location: 1920 Wekiva Way, Suite 200, West Palm Beach, FL

Kimley-Horn Fort Lauderdale Office

Office Location: 600 North Pine Island Road, Suite 450, Plantation, FL 33324

Kimley-Horn Boca-Delray Office

Office Location: 1615 South Congress Avenue, Suite 201, Delray Beach, FL 33445

Subconsultant Locations

H2R Corp. – Federal ID Number: 81-2654817

Office Location: 1900 NW 40th Court, Pompano Beach, FL 33064

Chrome Engineering, Inc.

Office Location: 16650 SW 88th Street, Suite 205, Miami, FL 33196



Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



SECTION 10 LOCAL BUSINESSES

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

E-26-20 Continuing Contract for Structural Engineering

Solicitation Number & Title: Services

Prime Contractor's Name: Kimley-Horn and Associates, Inc.

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Material to be Purchased	Contract Amount or %
Chrome Engineering, Inc. 16650 SW 88th Street, Suite 205, Miami, FL 33196	Oscar Cruz 305.432.6826	Bridge Structures, Seawalls	TBD
H2R, 1900 NW 40th Court, Pompano Beach, FL 33064	Yves-Stanley (Stan) 954.972.7570	Building Foundations, Structural Condition Assessments, Construction Phase Services	TBD

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

Solicitation Number E-26-20

TO: Kimley-Horn and Associates, Inc.
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

an individual a corporation
 a partnership a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

Construction Engineering Inspection

Construction Material Testing

Geotechnical Engineering

at the following price: TBD

8/14/2020

(Date)

H2R Corp
David Rancman, P.E., CEO

(Print Name of Local Business Contractor)

1900 NW 40th Ct

(Street Address)

Pompano Beach, FL 33064

(City, State Zip Code)

BY: 

(Signature)

IMPORTANT NOTE: Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"

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

Solicitation Number E-26-20

TO: Kimley-Horn and Associates, Inc.
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

an individual

a corporation

a partnership

a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

Structural Engineering Services

at the following price: TBD

08/14/2020
(Date)

Chrome Engineering, Inc.
(Print Name of Local Business Contractor)

16650 SW 88th Street, Suite 205
(Street Address)

Miami, Florida 33196
(City, State Zip Code)

BY: 
(Signature)

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"

N/A

LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS
UNAVAILABILITY FORM

BID # _____

I, _____
(Name and Title)

of _____, certify that on the _____ day of _____, _____, I invited the following LOCAL BUSINESSES to bid work items to be performed in the City of Pompano Beach:

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

Said Local Businesses:

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

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

N/A

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

BID # E-26-20

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" – Page 2



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Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



SECTION 11 LITIGATION

Kimley-Horn and its subsidiaries have provided services in all 50 states and numerous countries. Because of the many and varied projects we have completed, we are subject to various legal proceedings from time to time and in the ordinary course of business. In the last 5 years, Kimley-Horn has had more than 19,675 active projects in Florida, 19 of which had some form of litigation. Of these cases, 5 were dismissed, 10 were settled, and 4 are pending. This represents 0.9657% of all projects completed by Kimley-Horn in Florida over the past five years. None of the pending matters, if decided against Kimley-Horn, would have a material impact on our financial statements or impair in any way our ability to serve our clients. Generally, these matters are covered by insurance, and we consider them to be without merit. If you would like to discuss our legal matters in more detail, please contact Kimley-Horn's General Counsel, Richard Cook, at 919.677.2058.



Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



SECTION 12 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) Jamea M. Long, P.E. Title Project Manager

Company (Legal Registered) Kimley-Horn and Associates, Inc.

Federal Tax Identification Number 56-0885615

Address 1920 Wekiva Way, Suite 200

City/State/Zip West Palm Beach, FL 33411-2410

Telephone No. 561.840.0859 Fax No. 561.863.8175

Email Address Jamea.Long@kimley-horn.com

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.# 56-0885615

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Marwan Mufleh, P.E.	33	BSCE
Project Manager	Jamea Long, P.E.	23	BSCE
Asst. Project Manager	Angelina Fairchild, P.E., LEED AP	33	MSCE, BSAE
Other Key Member	Tom Farnan, P.E.	39	BSCE
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	H2R Corp. 1900 NW 40th Ct., Pompano Beach, FL 33064 Chrome Engineering, Inc. 16650 SW 88th Street, Suite 205, Miami, FL 33196	David Rancman, P.E., CEO Oscar Cruz, P.E.
Other Key Member		
Other Key Member		
Other Key Member		
Other Key Member		

(use attachments if necessary)

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?

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

X 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.

08/24/2020

(Date)

Kimley-Horn and Associates, Inc.

(Name of Firm)

BY: Jamea Long, P.E.

(Name)

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

E-26-20 Continuing Contract for Structural Engineering

Solicitation Number & Title: Services

Prime Contractor's Name: Kimley-Horn and Associates, Inc.

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Material to be Purchased	Contract Amount or %
Chrome Engineering, Inc. 16650 SW 88th Street, Suite 205, Miami, FL 33196	Oscar Cruz 305.432.6826	Bridge Structures, Seawalls	TBD
H2R, 1900 NW 40th Court, Pompano Beach, FL 33064	Yves-Stanley (Stan) 954.972.7570	Building Foundations, Structural Condition Assessments, Construction Phase 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: Kimley-Horn and Associates, Inc.
(Name of Prime or General Bidder)

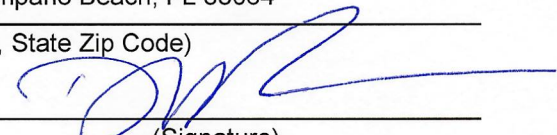
The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

an individual a corporation
 a partnership a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

- Construction Engineering Inspection
- Construction Material Testing
- Geotechnical Engineering
-

at the following price: TBD

<u>8/14/2020</u> (Date)	<u>H2R Corp</u> <u>David Rancman, P.E., CEO</u> (Print Name of Local Business Contractor) <u>1900 NW 40th Ct</u> (Street Address) <u>Pompano Beach, FL 33064</u> (City, State Zip Code) BY: <u></u> (Signature)
----------------------------	---

IMPORTANT NOTE: Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"

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

Solicitation Number E-26-20

TO: Kimley-Horn and Associates, Inc.
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

an individual

a corporation

a partnership

a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

Structural Engineering Services

at the following price: TBD

08/14/2020
(Date)

Chrome Engineering, Inc.
(Print Name of Local Business Contractor)

16650 SW 88th Street, Suite 205
(Street Address)

Miami, Florida 33196
(City, State Zip Code)

BY: 
(Signature)

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"

N/A

LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS
UNAVAILABILITY FORM

BID # _____

I, _____
(Name and Title)

of _____, certify that on the _____ day of _____, _____, I invited the following LOCAL BUSINESSES to bid work items to be performed in the City of Pompano Beach:

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

Said Local Businesses:

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

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

N/A

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

BID # E-26-20

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" – Page 2



Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
 (E-26-20)

Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
 (E-26-20)



Corporate and Individual Licenses

Kimley-Horn Firm Licenses

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.: **LB696**
 Expiration Date: February 28, 2021

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

KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE ST STE 600
 RALEIGH, NC 27601-1777

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.

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

KIMLEY-HORN AND ASSOCIATES INC
 421 FAYETTEVILLE STREET
 SUITE 600
 RALEIGH NC 27601

LICENSE NUMBER: **GB175**
 EXPIRATION DATE: **JULY 31, 2020**
 Always verify licenses online at MyFloridaLicense.com

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STATE OF FLORIDA
 BOARD OF PROFESSIONAL ENGINEERS
 THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

KIMLEY-HORN & ASSOCIATES, INC.
 421 FAYETTEVILLE STREET
 SUITE 600
 RALEIGH NC 27601

LICENSE NUMBER: **CA696**
 EXPIRATION DATE: **FEBRUARY 28, 2021**
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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

KIMLEY-HORN AND ASSOCIATES INC
 421 FAYETTEVILLE STREET
 SUITE 600
 RALEIGH NC 24401

LICENSE NUMBER: **LCC000219**
 EXPIRATION DATE: **NOVEMBER 30, 2021**
 Always verify licenses online at MyFloridaLicense.com

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State of Florida
Department of State

I certify from the records of this office that KIMLEY-HORN AND ASSOCIATES, INC. is a North Carolina corporation authorized to transact business in the State of Florida, qualified on April 24, 1968.

The document number of this corporation is 821359.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on April 15, 2020, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Eleventh day of May, 2020

Randy Rhea
 Secretary of State

Tracking Number: 7042987469CU

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

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
 115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 - 954-831-4000
 VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020

DBA: KIMLEY-HORN & ASSOCIATES INC
 Business Name: KIMLEY-HORN & ASSOCIATES INC
 Business Location: 600 N FINE ISLAND RD #450 FT LAUDERDALE
 Business Phone: 954-739-2233

Receipt #: 377-1360
 Business Type: OFFICE/SALES/BUSINESS/ADMIN (CORP OFFICE)
 Business Opened: 02/01/1984
 State/County/Cert/Reg: Exemption Code:

Rooms	Seats	Employees	Machines	Professionals

Tax Amount	For Vending Business Only			Vending Type:		
	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	0.00	0.00	0.00	0.00	0.00	45.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

WHEN VALIDATED

Mailing Address: KIMLEY-HORN & ASSOCIATES INC, 421 FAYETTEVILLE ST STE 600, RALEIGH, NC 27601

Receipt #: 8999-18-00192895
 Paid 09/24/2019 45.00

2019 - 2020

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
 115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 - 954-831-4000
 VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020

DBA: KIMLEY-HORN & ASSOCIATES INC
 Business Name: KIMLEY-HORN & ASSOCIATES INC
 Business Location: 600 N FINE ISLAND RD #450 FT LAUDERDALE
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Receipt #: 377-1360
 Business Type: OFFICE/SALES/BUSINESS/ADMIN (CORP OFFICE)
 Business Opened: 02/01/1984
 State/County/Cert/Reg: Exemption Code:

Signature	Rooms	Seats	Employees	Machines	Professionals

Tax Amount	For Vending Business Only			Vending Type:		
	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	0.00	0.00	0.00	0.00	0.00	45.00

Receipt #: 8999-18-00192895
 Paid 09/24/2019 45.00



pompano beach
Florida's Warmest Welcome

Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



Kimley-Horn Individual Licenses

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

BEVILACQUA, ANTHONY MICHAEL
1920 WEKIVA WAY
SUITE 200
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE59262
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

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Ron DeSantis, Governor

STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS

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

MUFLEH, MARWAN HASHEM
11691 TIMBERWOOD RD.
BOCA RATON FL 334280000

LICENSE NUMBER: PE45329
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor Halsey Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

FARNAN, THOMAS W.
6321 FOX RUN CIR
JUPITER FL 334580000

LICENSE NUMBER: PE49143
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

LONG, JAMEA POTTER
3439 E MALLORY BLVD
JUPITER FL 33458

LICENSE NUMBER: PE58677
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

FUENTES, JUAN JOSE
9700 S. DIXIE HWY.
STE. 880
MIAMI FL 33156

LICENSE NUMBER: PE62426
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS
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GOU-FAIRCHILD, ANGELINA
1920 WEKIVA WAY, STE. 200
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE43958
EXPIRATION DATE: FEBRUARY 28, 2021
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Florida's Warmest Welcome

Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



Kimley-Horn Individual Licenses (Continued)

RICK SCOTT, GOVERNOR
JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

LENKER, JASEN EDWARD
1920 WEKIVA WAY
SUITE 200
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE83599
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor
Halsey Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

PICCOLO, JERRY MARCUS
6425 ROBINSON STREET
JUPITER FL 33458

LICENSE NUMBER: PE80484
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor

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

LONG, JON CASEY
3439 E. MALLORY BLVD
JUPITER FL 33458

LICENSE NUMBER: PE56083
EXPIRATION DATE: FEBRUARY 28, 2021
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Halsey Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
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VIOLA, STEFANO F.
382 S HIBISCUS COURT
PLANTATION FL 33317

LICENSE NUMBER: PE74655
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

LONG, JON CASEY
3439 E. MALLORY BLVD
JUPITER FL 33458

LICENSE NUMBER: PE56083
EXPIRATION DATE: FEBRUARY 28, 2021
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Ron DeSantis, Governor

STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
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LOPEZ GEDEON, MARISA-ANN
1920 WEKIVA WAY
SUITE 200
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE73995
EXPIRATION DATE: FEBRUARY 28, 2021
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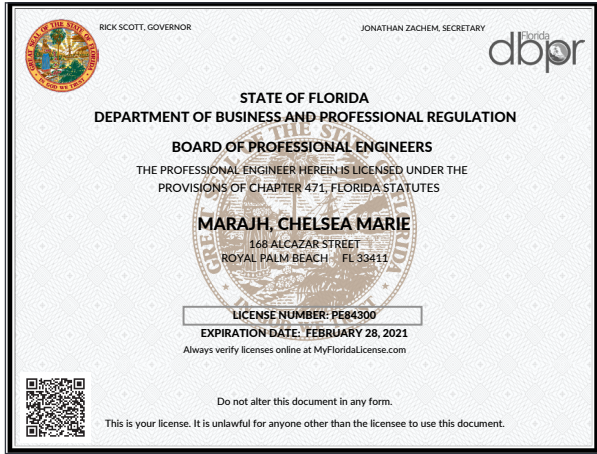


pompano beach
Florida's Warmest Welcome

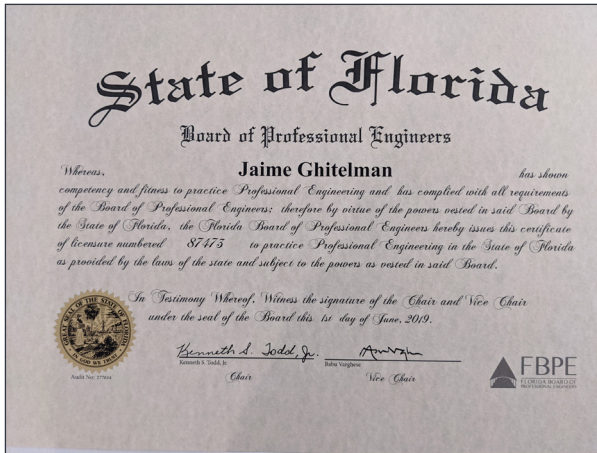
Continuing Contract for
STRUCTURAL ENGINEERING SERVICES
(E-26-20)



Kimley-Horn Individual Licenses (Continued)



Licensee Details	
Licensee Information	
Name:	GOOLABSINGH, ALLYSON VICTORIA (Primary Name)
Main Address:	951 BRICKELL AVENUE APARTMENT 3605 MIAMI Florida 33131
County:	DADE
License Mailing:	
License Location:	
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	82392
Status:	Current, Active
License Date:	01/11/2017
Expires:	02/28/2021
Special Qualifications	
Civil	08/02/2016
Advanced Building Code Course Credit	12/31/2018





pompano beach
Florida's Warmest Welcome

Continuing Contract for **STRUCTURAL ENGINEERING SERVICES** (E-26-20)



H2R Corp. Firm and Individual Licenses

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

NGUYEN, THAI
2534 MARY SUE ST
LARGO FL 33774

LICENSE NUMBER: PE66551
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

H2R CORP
3921 76TH AVENUE NORTH
PINELLA PARK FL 33781

LICENSE NUMBER: CA31828
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

DELMAS, YVES-STANLEY
6746 SPRINGCREEK ISLES BLVD
LAKE WORTH FL 33461

LICENSE NUMBER: PE80352
EXPIRATION DATE: FEBRUARY 28, 2021
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BROWARD COUNTY
Certification Application

Home Find an Agency A to Z Guide

Small Business Development Home
Broward County Home

Company Information

H2R CORP
1900 NW 40 COURT POMAPNO BEACH, FL 33064

County: Broward
Contact: DAVID RANCMAN
Phone: 954-972-7570
Fax:
E-mail: DRANCMAN@H2RCORP.COM
Web site: http://www.H2RCORP.COM

Certification(s): CBE
Type: Construction Services
Specialties:
FOUNDATION TESTING & INSPECTION
STRUCTURAL ENGINEERING
SURFACE EXPLORATION & DRILLING
LABORATORY FACILITIES AVAILABLE IN BROWARD

Mailing Address:
1900 NW 40 COURT
POMAPNO BEACH, FL 33064

Broward County Vendor: Yes
Vendor Number:
File Number:

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

RANCMAN, DAVID A.
6284 LANDOWNE CIRCLE
BOYNTON BEACH FL 33472

LICENSE NUMBER: PE70413
EXPIRATION DATE: FEBRUARY 28, 2021
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Chrome Engineering, Inc.

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

CHROME ENGINEERING, INC.
13201 SW 197 AVENUE
MIAMI FL 33196

LICENSE NUMBER: CA32291
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
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CANALES, JORGE ALBERTO
11236 SW 104TH STREET
MIAMI FL 33176

LICENSE NUMBER: PE60444
EXPIRATION DATE: FEBRUARY 28, 2021
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STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

DOVER, GREGORY P.
944 NW 104TH LN
CORAL SPRINGS FL 33071

LICENSE NUMBER: PE37684
EXPIRATION DATE: FEBRUARY 28, 2021
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FDOT **BROWARD COUNTY** **FLORIDA DEPARTMENT OF TRANSPORTATION** **GREATER ORLANDO AVIATION AUTHORITY** **ACKNOWLEDGE TRANSPORTATION SECURITY**

Florida Unified Certification Program
Disadvantaged Business Enterprise (DBE)
Certificate of Eligibility
CHROME ENGINEERING INC
MEETS THE REQUIREMENTS OF 49 CFR, PART 26
APPROVED NAICS CODES:
541330, 541340

Samuel Febres (Sammy)
DBE & Small Business Development Manager
Florida Department of Transportation

Tampa International Airport **ALLAHASSEE** **Vetran**

Client#: 25320

KIMLHORN

ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/28/2020

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

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

PRODUCER Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022	CONTACT NAME: Jerry Noyola
	PHONE (A/C, No, Ext): 770-552-4225 FAX (A/C, No): 866-550-4082
	E-MAIL ADDRESS: jerry.noyola@greyling.com
	INSURER(S) AFFORDING COVERAGE
INSURED Kimley-Horn and Associates, Inc. 421 Fayetteville Street, Suite 600 Raleigh, NC 27601	INSURER A : National Union Fire Ins. Co.
	INSURER B : Aspen American Insurance Company
	INSURER C : New Hampshire Ins. Co.
	INSURER D : Lloyds of London
	INSURER E :
	INSURER F :

COVERAGES CERTIFICATE NUMBER: 20-21 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			5268169	04/01/2020	04/01/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			4489663	04/01/2020	04/01/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			CX005FT20	04/01/2020	04/01/2021	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	015893685 (AOS) 015893686 (CA)	04/01/2020 04/01/2020	04/01/2021 04/01/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Professional Liab			B0146LDUSA2004949	04/01/2020	04/01/2021	Per Claim \$ 2,000,000 Aggregate \$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Annual Renewal Qualification Package

CERTIFICATE HOLDER

Florida Dept of Transportation
605 Suwannee st
Tallahassee, FL 32399-0000

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



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Kimley-Horn and Associates, Inc.

Billing Rates

Classification	Billing Rate
Analyst	\$135.00
Clerical	\$88.00
Principal	\$300.00
Professional 1	\$151.00
Professional 2	\$198.00
Senior Professional 1	\$239.00
Senior Professional 2	\$273.00
Senior Support Staff	\$179.00
Support Staff	\$118.00

CUMMINS CEDERBERG, INC. 2020 RATE SCHEDULE¹

Title	Hourly Rate
Principal	\$250.00
Project Director	\$220.00
Senior Project Manager	\$180.00
Project Manager	\$160.00
Senior Scientist	\$160.00
Project Scientist	\$130.00
Associate Scientist II	\$115.00
Associate Scientist I	\$95.00
Senior Engineer	\$180.00
Project Engineer	\$150.00
Associate Engineer II	\$130.00
Associate Engineer I	\$115.00
Senior Designer	\$120.00
Designer	\$100.00
Technician	\$75.00
Clerical	\$65.00

¹ Rates are subject to change at one-year intervals from date of proposal execution.



Exhibit B Fee Schedule

P.O. Box 892
Fort Lauderdale, Florida 33302
Ph: 954.467.6822 - Fax: 954.467.7033
sdickey@dickeyinc.com - www.dickeyinc.com

Project Management - Public Relations - Business Development - Strategic Planning - Economic Development

**Dickey Consulting Services, Inc
Billing Rates**

Title	Rate
Public Outreach Task Principal	\$181.47
Public Outreach Project Manager	\$87.92
Sr. Project Coordinator	\$71.17
Project Coordinator	\$64.45
Technician	\$54.61
Administrative Assistant	\$50.82

Dickey Consulting Services, Inc.

Sustaining Communities



Electrical Design Associates

**BILLING RATE SCHEDULE
FOR
PROFESSIONAL SERVICES**

LABOR CLASSIFICATION	BASE RATE	X	MULTIPLIER	=	BILLING RATE
Principal In Company	\$ 72.00	x	2.85	=	\$ 205.20
Senior Electrical Engineer	\$ 60.00	x	2.85	=	\$ 171.00
Engineer	\$ 50.00	x	2.85	=	\$ 142.50
Senior Associate	\$ 48.00	x	2.85	=	\$ 136.80
Electrical Designer	\$ 40.00	x	2.85	=	\$ 114.00
CADD Technician	\$ 38.00	x	2.85	=	\$ 108.30
Clerical/Admin	\$ 28.00	x	2.85	=	\$ 79.80

The multiplier consists of salary (100%), general overhead (133%), fringe rate (27%) and Profit margin (25%), yielding a multiplier of 2.85.

Signature below certifies that the above Base Rate figures are accurate as of December 31, 2019 and as per the attached. The Billing Rates represent the actual salary costs including Salary, General Overhead, Fringe Benefits, and Profit Margin.



Lillian M. Reyes, P.E. President

December 14, 2020
Date

Exhibit B Fee Schedule

H2R Corp			
Job Classification	Employee	EOM	Rate
Engineer 2	Yves Delmas	Hour	\$ 119.35
Engineer 2	Min Ahn	Hour	\$ 119.35
Engineering Intern	Roshan Poudel	Hour	\$ 81.04
Engineering Intern	Omar Muriel	Hour	\$ 81.04
Senior Engineer 1	Thai Ngyuen	Hour	\$ 176.82
Senior Engineer 1	David Rancman	Hour	\$ 176.82
Geotechnical Technician	Gianfranco Salazar	Hour	\$ 67.78
Senior Geotechnical Technician	Johnny Marin	Hour	\$ 97.98
Senior Geotechnical Technician	Andres Echeverry	Hour	\$ 97.98



HSQ GROUP, INC.

Engineers • Planners • Surveyors

1001 Yamato Rd., Ste. 105, Boca Raton, FL 33431

(561) 392-0221 Phone • (561) 392-6458 Fax

December 14, 2020

Dixie McGaffic
KIMLEY-HORN
1920 Wekiva Way, Ste. 200
West Palm Beach, FL 33411
Email: Dixie.McGaffick@kimley-horn.com

Re: City of Pompano Beach: RLI E-20-0: Continuing Contract for Civil Engineering Services for Various City Projects

Dixie:

As requested, below are staff rates and titles for the above referenced project.

Name	Title	Hourly Rate	Multiplier	Loaded Rate
Alberto T. Zuniga, PE	Senior Engineer 2	\$37.50	3.00	\$112.50
Susan Zhang, PE	Engineering Technician	\$40.19	3.00	\$120.57
Daniel C. Laak, PSM	SUR Chief Surveyor	\$43.27	3.00	\$129.81

Please feel free to contact me if you require additional information or assistance at 561-392-0221 x103 or by email at nour@hsqgroup.net.

Thank you,
HSQ Group, Inc.

A handwritten signature in blue ink, appearing to read 'Nour Shehadeh', is written over the typed name.

Nour Shehadeh, PE
Vice President

**City of Pompano Beach Continuing Contracts - E-20-20
KEITH - PROFESSIONAL SERVICE FEE SCHEDULE**

Hourly Rate

Project Management

Project Executive	\$250.00
Expert Witness	\$350.00
Senior Project Manager	\$180.00
Project Manager II	\$160.00
Project Manager I	\$140.00
Assistant Project Manager	\$100.00
Administrative Assistant I	\$80.00

Civil / Traffic Engineering

Senior Traffic Engineer	\$175.00
Traffic Engineer	\$125.00
Engineer IV	\$125.00
Engineer III	\$110.00
Engineer II	\$100.00
Engineer I	\$90.00

Construction Engineering & Inspection (CEI)

Senior Construction Manager	\$180.00
Construction Manager	\$150.00
Engineering Inspector III	\$125.00
Engineering Inspector II	\$100.00
Engineering Inspector I	\$90.00

Planning

Senior Planner	\$140.00
Planner II	\$120.00
Planner I	\$100.00

Landscape Architecture

Senior Landscape Architect	\$150.00
Landscape Architect	\$135.00
Arborist	\$140.00
Landscape Designer III	\$125.00
Landscape Designer II	\$100.00
Landscape Designer I	\$90.00

**City of Pompano Beach Continuing Contracts - E-20-20
KEITH - PROFESSIONAL SERVICE FEE SCHEDULE**

Survey / SUE

Chief Surveyor	\$175.00
Senior Surveyor & Mapper.....	\$150.00
Project Surveyor II.....	\$125.00
Project Surveyor I.....	\$110.00
Technician	\$90.00
Survey Crew IV	\$160.00
Survey Crew III.....	\$140.00
Survey Crew II.....	\$120.00
Survey Crew I.....	\$110.00
Survey Static Laser Scanning.....	\$250.00
Survey Drone Photos	\$200.00
Survey Terrestrial Mobile LiDAR.....	Per Project
Chief Utility Coordinator	\$160.00
Senior Utility Coordinator	\$140.00
Utility Coordinator.....	\$100.00
Subsurface Utility Location Manager	\$140.00
Subsurface Utility Field Supervisor	\$90.00
Utility Designating/GPR.....	\$200.00
Impervious Coring >8".....	\$150.00/Each
Vacuum Excavation Test Hole (Pervious Surface).....	\$350.00/Each
Vacuum Excavation Test Hole (Impervious Surface)	\$450.00/Each

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.

