

*CITY OF POMPANO BEACH,
FLORIDA*

PROFESSIONAL CONSULTING AGREEMENT

with



***CONTINUING CONTRACT FOR ENGINEERING SERVICES
For
Overhead Utilities Conversion to Underground***

CONTRACT FOR PROFESSIONAL CONSULTING SERVICES

This Contract is made as of the _____ day of _____, 2018, 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 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-01-18 attached hereto as Exhibit A and incorporated herein in its entirety.

The Consultant's representative shall be Josh Horning, P.E., Project Manager

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

ARTICLE 2 – TERM AND RENEWAL

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. All terms and conditions shall remain firm for the initial period of the contract, and any renewal period thereafter.

In the event City determines Consultant to be in full compliance with this Contract and Consultant's performance thereunder to be satisfactory, then City, with City Commission approval, shall have the option to renew this Contract for an additional one (1) two (2) years term upon the written consent of both City and Consultant provided that City provides written notice of its intention to renew within sixty (60) days of the termination date of this Contract.

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.

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 the individual Work Authorization 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 after 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 and 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 Contract shall be construed to affect in any way the rights, privileges and immunities of the City and agencies, as set forth in § 768.28, Florida Statutes.

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 of 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:

Josh Horning, P.E., Project Manager
1615 S. Congress Avenue, Suite 201
Delray Beach, FL 33445

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 has been and shall be construed as having been made and delivered within the State of Florida, and it is agreed by each party hereto that this Contract shall be governed by the laws of the State of Florida, both as to interpretation and performance. Any action at law, or in equity, shall be instituted and maintained only in courts of competent jurisdiction in Broward County, Florida.

ARTICLE 31 - BINDING EFFECT

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

"CITY"

Witnesses:

CITY OF POMPANO BEACH

By: _____
Lamar Fisher, Mayor

By: _____
Gregory P. Harrison, City Manager

Attest:

Asceleta Hammond, City Clerk

(SEAL)

Approved As To Form:

Mark E. Berman, City Attorney

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me this _____ day of _____, 2018 by **LAMAR FISHER**, as Mayor, **GREGORY P. HARRISON**, as City Manager and **ASCELETA HAMMOND**, as City Clerk of the City of Pompano Beach, Florida, a municipal corporation, on behalf of the municipal corporation, who are personally known to me.

NOTARY'S SEAL:

NOTARY PUBLIC, STATE OF FLORIDA

(Name of Acknowledger Typed, Printed or Stamped)

Commission Number

"CONSULTANT"

Kimley-Horn and Associates, Inc.

Witnesses:

Sharon Memanis
Signature

Sharon Memanis
Name Typed, Printed or Stamped

By: [Signature]
Kevin M. Schanen, Vice President

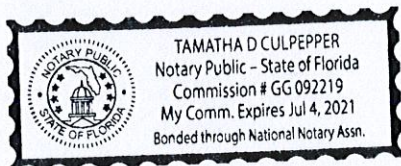
Nancy Carver
Signature

Nancy Carver
Name Type, Printed or Stamped

STATE OF FLORIDA
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 4th day of June, 2018, by Kevin M. Schanen, as Vice President of Kimley-Horn and Associates, Inc., a foreign profit corporation, authorized to do business in Florida, on behalf of the corporation. He is personally known to me or who has produced _____ (type of identification) as identification.

NOTARY'S SEAL:



[Signature]

NOTARY PUBLIC, STATE OF FLORIDA

Tamatha D Culpepper
(Name of Acknowledger Typed, Printed or Stamped)

GG 092219
Commission Number



Florida's Warmest Welcome

**CITY OF POMPANO BEACH
REQUEST FOR LETTERS OF INTEREST
E-01-18**

**CONTINUING CONTRACT FOR ENGINEERING AND
PROJECT MANAGEMENT CONSULTANT, OVERHEAD
UTILITIES CONVERSION TO UNDERGROUND**

**RLI OPENING: November 2, 2017, 2:00 P.M.
PURCHASING OFFICE
1190 N.E. 3RD AVENUE, BUILDING C (Front)
POMPANO BEACH, FLORIDA 33060**

October 2, 2017

CITY OF POMPANO BEACH, FLORIDA
REQUEST FOR LETTERS OF INTEREST (RLI)
E-01-18
CONTINUING CONTRACT FOR ENGINEERING AND PROJECT MANAGEMENT
CONSULTANT, OVERHEAD UTILITIES CONVERSION TO UNDERGROUND

Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach invites professional firms to submit Letters of Interest, qualifications and experience for consideration to provide engineering and project management services for the undergrounding of utilities to the City on a continuing as-needed basis.

The City will receive sealed proposals until **2:00 p.m. (local), November 2, 2017**. 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/CurrentSourcingEvents.aspx>. 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. Responses will be electronically unsealed in a public forum and read aloud.

A. Scope Of Services

The City intends to contract with up to three engineering firms to provide professional services to the City as needed for converting overhead utilities to underground.

Professional services under this contract will be restricted to those required for any project for which construction costs will not exceed \$2 million, and for any study activity for which fees will not exceed \$200,000.00.

The scope of services required may include, but is not limited to, design engineering, construction observation, studies, and other professional engineering services related to converting overhead utilities to underground. Anticipated work includes project liaison services with citizens within project area, elected officials and staff; cost estimating; easement configurations; electrical, CATV and telecommunications design services; bid document preparation; contractor evaluation services; construction management services; provision of project as-builts; and related surveying and other related work as mutually agreed upon in conjunction with proposed underground utilities conversion projects.

Firms must have previous experience in projects to underground existing utilities, and must be licensed to practice Professional Engineering in the State of Florida, according to Florida State Statute 471, by the Board of Professional Engineers.

B. Tasks/Deliverables

The categories of the Services that may be required are as follows:

1. Project liaison services
2. Cost estimating
3. Development of easement configurations and securing of easements
4. Utilities (electric, CATV, telecommunications) design service for conversion to underground
5. Bid Document preparation
6. Contractor evaluation services
7. Construction management services
8. Development of project as-builts
9. Surveying
10. Other work as mutually agreed upon

C. Term of Contract

The initial contract period shall be one year, commencing upon award by the appropriate City officials.

The contract shall be automatically renewed for four (4) additional one-year periods unless the General Services Director or the successful bidder receiving award shall give notice to the other party of intent not to renew for the additional period, which notice must be delivered by certified mail and must be received at least sixty (60) days prior to the end of the initial contract period. All terms, prices and conditions shall remain firm for the initial period of the contract, and any renewal period.

D. Local Business Program

On March 23, 2010, the City Commission approved a Resolution establishing a Local Business Program, a policy to increase the participation of City of Pompano Beach businesses in the City's procurement process.

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 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.

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

E. Small Business Enterprise Program

The Pompano Beach City Commission has established a voluntary Small Business Enterprise (SBE) Program to encourage and foster the participation of certified Small Business Enterprises in the central procurement activities of the City. The City of

Pompano Beach is **strongly committed** to ensuring the participation of certified Small Business Enterprises (SBE's) as contractors and subcontractors for the procurement of goods and services, including labor, materials and equipment. The definition of a SBE, for the purpose of the City's voluntary program, is taken from the State of Florida Statute 288.703(1).

As of the date of publication of this solicitation, a small business means an independently owned and operated business concern that employs 200 or fewer permanent full-time employees and that, together with its affiliates, has a net worth of not more than \$5 million or any firm based in Florida that has a Small Business Administration 8(a) certification. As applicable to sole proprietorships, the \$5 million net worth requirement shall include both personal and business investments.

The City encourages all firms to undertake good faith efforts to identify appropriate certified Small Business Enterprise partners. Sources of information on certified Small Business Enterprises include the Broward County Small Business Development Division, the State of Florida Office of Supplier Diversity, South Florida Water Management District, and other agencies throughout the State. The City includes links to these organizations from the City's website www.pompanobeachfl.gov.

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

F. Required Proposal Submittal

Submission/Format Requirements

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 100 MB. If the file size exceeds 100 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 Interest:

A Letter of Interest, signed by an authorized representative of your firm, expressing your understanding of the project and expressing a positive commitment to provide the services described herein. In the letter, include:

- complete corporate name of the primary firm responding
- applicable Federal Tax Identification Number
- address

- telephone and fax numbers
- name, title, and email of the person to contact regarding your submission

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.

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 RLI. 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.

References:

References for past utility 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.

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.

Litigation:

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

Minority Business Enterprises:

It is the intent of the City of Pompano Beach to encourage minority and women owned firms to participate in the process. The methods by which this is accomplished should be developed and presented by the respondents in their submissions.

For any member of your team that is a certified Minority Business Enterprise (as defined by the State of Florida) you must include copies of their certifications for them to be considered toward Item 5 in the evaluation criteria. Complete Exhibit I and include all certificates in your electronic submittal.

City Forms:

Responses should include all City forms as stated above. Required forms must be completed and submitted electronically through the City's eBid System.

G. Insurance

The insurance described herein reflects the insurance requirements deemed necessary for this contract by the City. It is not necessary to have this level of insurance in effect at the time of submittal, but certificates indicating that the insurance is currently carried or a letter from the Carrier indicating upgrade ability will speed the review process to determine the most qualified Proposer.

The successful Proposer(s) shall not commence operations until certification or proof of insurance, detailing terms and provisions of coverage, has been received and approved by the City of Pompano Beach Risk Manager.

The following insurance coverage shall be required.

1. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440, regardless of the size of the company (number of employees). The 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, on General Liability Insurance only, in connection with work being done under this contract.

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

LIMITS OF LIABILITY

Type of Insurance	each occurrence	aggregate
GENERAL LIABILITY: MINIMUM \$1,000,000 per OCCURRENCE/\$2,000,000 AGGREGATE		
* Policy to be written on a claims incurred basis		
XX comprehensive form		
XX premises - operations	bodily injury	
— explosion & collapse		
hazard	property damage	
XX underground hazard		
XX products/completed		
operations hazard	bodily injury and	
XX contractual insurance	property damage	
XX broad form property	combined	
damage		
XX independent contractors		
XX personal injury	personal injury	

AUTOMOBILE LIABILITY: MINIMUM \$1,000,000 per OCCURRENCE/\$1,000,000 AGGREGATE

	bodily injury	
	(each person)	
	bodily injury	
XX comprehensive form	(each accident)	
XX owned	property damage	
XX hired	bodily injury and	
XX non-owned	property damage	
	combined	

REAL & PERSONAL PROPERTY

XX comprehensive form	Consultant must show proof they have this coverage.
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EXCESS LIABILITY

XX umbrella form	bodily injury and		
XX other than umbrella	property damage		
	combined	\$2,000,000.	\$2,000,000.

XX PROFESSIONAL LIABILITY	\$2,000,000.	\$2,000,000.
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* Policy to be written on a claims made basis

The certification or proof of insurance must contain a provision for notification to the City, and the City's contracted law enforcement provider if applicable, thirty (30) days in advance of any material change in coverage or cancellation.

The successful Proposer shall furnish to the City the certification or proof of insurance required by the provisions set forth above, within ten (10) days after notification of award of contract.

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.

The Committee will rank responses based upon the following criteria.

<u>Criteria</u>	<u>Point Range</u>
1. Prior experience of the firm with projects of similar size and complexity: a. Number of similar projects b. Complexity of similar projects c. References from past projects performed by the firm d. Previous projects performed for the City e. Litigation within the past 5 years arising out of firm's performance	0-30
2. Qualifications of personnel including sub consultants: a. Organizational chart for project b. Number of technical staff c. Qualifications of technical staff: (1) Number of licensed staff (2) Education of staff (3) Experience of staff on similar projects	0-20
3. Proximity of the nearest office to the project location: a. Location b. Number of staff at the nearest office	0-10
4. Technical approach to perform the tasks described in the Scope of Services: a. Level of effort b. Effectiveness of the technical approach to complete each phase of the project, maintain time schedules and cost control	0-30
5. Is the firm a certified minority business enterprise as defined by the Florida Small and Minority Business Assistance Act of 1985? (include sub-consultants)	0-10
Total	0-100

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 RLI, 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. Retention of Records and Right to Access

The selected firm shall maintain during the term of the contract all books of account, receipt invoices, reports and records in accordance with generally accepted accounting practices and standards. The form of all records and reports shall be subject to the approval of the City's Internal Auditor. The selected firm must comply with the Internal Auditor's recommendation for changes, additions, or deletions. The City's Internal Auditor must be permitted during normal business hours to audit and examine the books of account, reports, and records relating to this contract. The selected firm shall

maintain and make available such records and files for the duration of the contract and retain them until the expiration of three years after final payment under the contract.

K. 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.

L. 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.

M. 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.

N. 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.

O. Contract Terms

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

The contract shall include as a minimum, the entirety of this RLI 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.

P. Waiver

It is agreed that no waiver or modification of the contract resulting from this RLI, 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.

Q. Survivorship Rights

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

R. Termination

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

Should either party fail to perform any of its obligations under the contract resulting from this RLI 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.

S. Manner of Performance

Proposer agrees to perform its duties and obligations under the contract resulting from this RLI 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 RLI 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.

T. Acceptance Period

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

U. RLI 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 RLI 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 solicitation may not be added after the submittal date.

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

The City reserves the right to postpone or cancel this RLI, 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.

V. Standard Provisions

1. Governing Law

Any agreement resulting from this RLI 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. 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 RLI. Ignorance on the part of the firm will in no way relieve the firm from responsibility.

8. 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.

9. 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.

10. 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.

11. 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

W. Questions and Communication

All questions regarding the RLI 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 RLI solicitation in the eBid System, and it is the Proposer's responsibility to obtain all addenda before submitting a response to the solicitation.

X. 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 RFP 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 RLI solicitation in the eBid System.

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

PROJECT TEAM

RLI NUMBER _____

Federal I.D.# _____

PRIME

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

SUB-CONSULTANT

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

(use attachments if necessary)

Exhibit – Contractor Performance Report



**City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060**

**CITY OF POMPANO BEACH
CONTRACTOR PERFORMANCE REPORT**

1. Report Period: from _____ to _____

2. Contract Period: from _____ to _____

3. Bid# & or P.O.#: _____

4. Contractor Name: _____

5. City Department: _____

6. Project Manager: _____

7. Scope of Work (Service Deliverables): _____

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.

REQUESTED INFORMATION BELOW IS ON THE MINORITY BUSINESS ENTERPRISE PARTICIPATION FORM ON THE BID ATTACHMENTS TAB. BIDDERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND UPLOAD COMPLETED FORM TO THE EBID SYSTEM

EXHIBIT I

MINORITY BUSINESS ENTERPRISE PARTICIPATION

RLI # _____

List all members of your team that are a certified Minority Business Enterprise (as defined by the State of Florida.) You must include copies of the MBE certificates for each firm listed with your electronic submittal.

Name of Firm	Certificate Included?

City of Pompano Beach, FL (Purchasing)

Supplier Response

Bid Information		Contact Information		Ship to Information
Bid Creator	Jeff English Purchasing Agent	Address	1190 NE 3rd Avenue Building C Pompano Beach, FL 33060	Address
Email	jeffrey.english@copbfl.com			Contact
Phone	(954) 786-4098	Contact	Jeff English	Department
Fax	(954) 786-4168		Purchasing	Building
Bid Number	E-01-18	Department		Floor/Room
Title	CONTINUING CONTRACT FOR ENGINEERING AND PROJECT MANAGEMENT CONSULTANT, OVERHEAD UTILITIES CONVERSION TO UNDERGROUND	Building		Telephone
		Floor/Room		Fax
		Telephone	(954) 786-4098	Email
		Fax	(954) 786-4168	
		Email	purchasing@copbfl.com	
Bid Type	IFB			
Issue Date	10/2/2017 10:00 AM (ET)			
Close Date	11/2/2017 02:00:00 PM (ET)			

Supplier Information

Company Kimley-Horn and Associates, Inc.
 Address Wells Fargo Lockbox #932520
 3585 Atlanta Avenue
 Hapeville, GA 30354

 Contact
 Department
 Building
 Floor/Room
 Telephone (561) 845-0665
 Fax (561) 863-8175
 Email
 Submitted 11/2/2017 09:41:48 AM (ET)
 Total \$0.00

By submitting this Response I affirm I have received, read and agree to the all terms and conditions as set forth herein. I hereby recognize and agree that upon execution by an authorized officer of the City of Pompano Beach, this Response, together with all documents prepared by or on behalf of the City of Pompano Beach for this solicitation, and the resulting Contract shall become a binding agreement between the parties for the products and services to be provided in accordance with the terms and conditions set forth herein. I further affirm that all information and documentation contained within this response to be true and correct, and that I have the legal authority to submit this response on behalf of the named Supplier (Offeror).

Signature Amy L. McGreger

Email amy.mcgreger@kimley-horn.com

Supplier Notes

Bid Notes

Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach invites professional engineering firms to submit Letters of Interest, qualifications and experience for consideration to provide engineering and project management services for the undergrounding of utilities to the City on a continuing as needed basis.

The City will receive sealed proposals until 2:00 p.m. (local), November 2, 2017. 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.

Bid Activities

Bid Messages

Bid Attributes

Please review the following and respond where necessary

#	Name	Note	Response
1	Small Business Enterprise	Is your company a Small Business Enterprise? (If yes, upload a copy of your certification to the Response Attachments tab.)	No
2	Local Business	Is your company a Local Business located within the City of Pompano Beach City Limits as required by the Local Business Program? (A copy of your current City of Pompano Beach Business Tax Receipt may be requested.)	No
3	Extension of prices, terms and conditions to other governmental entities	If awarded the contract resulting from this bid, will your company agree to extend the same prices, terms and conditions to other governmental entities? (Note -- Optional, agreement not required for contract award.) Indicate by selecting yes or no from the drop down menu.	Yes
4	Conflict of Interest	For purposes of determining any possible conflict of interest, all bidders must disclose if any City of Pompano Beach employee is also an owner, corporate officer, or employee of their business. Indicate either "Yes" (a City employee is also associated with your business), or "No". (Note: If answer is "Yes", you must file a statement with the Supervisor of Elections, pursuant to Florida Statutes 112.313.)Indicate yes or no below with the drop down menu.	No
5	Drug-Free Workplace	Whenever two or more bids which are equal with respect to price, quality, and service are received for the procurement of commodities or contractual service, a bid received from a business that certifies that it has implemented a Drug-free Workplace Program shall be given preference in the award process. If bidder's company has a Drug-free Workplace Program as outlined in General Conditions, section 32., indicate that by selecting yes in the drop down menu.	Yes

Exhibit "A"

- | | | | |
|---|--|--|-----------|
| 6 | Vendor Certification Regarding Scrutinized Companies Lists | <p>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.</p> <p>As the person authorized to electronically sign on behalf of Respondent, I hereby certify by selecting the box below that the company identified above is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.</p> | Certified |
| 7 | Terms & Conditions | <p>Check the box indicating you agree to the terms and conditions of this solicitation.</p> | Agree |

Line Items

Response Total:	\$0.00
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Continuing Contract for Engineering and Project Management Consultant

Overhead Utilities Conversion to Underground

E-01-18



City of Pompano Beach, Florida

Continuing Contract
for Engineering and Project Management Consultant
Overhead Utilities Conversion to Underground

E-01-18

Kimley»Horn

1615 South Congress Avenue
Suite 201
Delray Beach, FL 33445
561.220.2345

Contact:

Joshua D. Horning, P.E., LEED AP
Project Manager
561.404.7240

November 2, 2017

Kimley»Horn

Expect More. Experience Better.

Continuing Contract
for Engineering and Project Management Consultant

**Overhead Utilities Conversion
to Underground** E-01-18

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Kimley»Horn

November 2, 2017

City of Pompano Beach
Purchasing Office
1190 N.E. 3rd Avenue, Building C
Pompano Beach, FL 33060

Re: Continuing Contract for Engineering and Project Management Consultant, Overhead Utilities Conversion to Underground; RLI No. E-01-18

Dear Members of the Selection Committee:

Congratulations on taking steps to ensuring that your community has a more resilient power and communications grid through the conversion of overhead utilities to an underground location! The burial of the overhead utilities will be transformative to the City—both functionally and aesthetically. For this very important contract, the City needs a consultant team they can trust—one who listens, understands, and has the local talent and proven experience to plan, design, and execute this type of project efficiently and cost-effectively. **Kimley-Horn** is that consultant. Kimley-Horn has enjoyed a successful working relationship with the City of Pompano Beach and we welcome another opportunity to continue to provide quality, cost-effective solutions, and effective management on the Continuing Contract for Engineering and Project Management Consultant, Overhead Utilities Conversion to Underground. We are best suited to serve as your consultant for this Contract for the following reasons:



Extensive Experience. For decades, Kimley-Horn has provided its local South Florida municipal clients with innovative ideas and services for their infrastructure needs. Our reputation as problem solvers and developers of implementable and constructible designs has made us the engineering consultant of choice for many communities in Miami-Dade, Broward, and Palm Beach counties. *We have extensive experience with undergrounding projects here in Southeast Florida and are excited about the opportunity to provide you with planning and design services similar to the utility conversion programs we are designing and implementing locally such as the Town of Palm Beach and the Village of Key Biscayne.* We've also provided successful undergrounding services as part of a larger streetscape improvement in a number of communities including Delray Beach, the City of West Palm Beach, the City of Fort Lauderdale, and the Town of Palm Beach. Kimley-Horn has delivered outcomes that these municipalities expect—projects that can be successfully developed, permitted, and built on time and within budget.

Proven Technical Approach. We have developed a team of trusted partners, both internally and externally, for this contract. Our team is ready to jump in and plan, design, and execute the City's undergrounding needs from beginning to end and meeting your time and budget requirements. Our subconsultant team is second to none and includes firms that offer services to complement our extensive internal capabilities. **Keith & Associates, Inc.** (Local Business) will be engaged to provide surveying and subsurface utility locate services, as well as assistance with the public outreach component. We've also brought on two electrical engineering firms who we are currently working with in the Town of Palm Beach and Key Biscayne: **Brannon & Gillespie, LLC** and **Waypoint Engineering and Equipment, LLC**. Both firms are led by former FPL distribution engineers and have worked on a multitude of underground conversion projects in coastal communities in South Florida. In addition, MBE-certified firm **Tierra South Florida, Inc.** will provide geotechnical services.

Our technical approach to this type of project is being implemented with much success in the Town of Palm Beach and in the Village of Key Biscayne. This experience allows us the ability to develop an individual project success strategy that is tailored to the specific needs of the City and its residents. Our approach will employ successful strategies of past projects and incorporate lessons learned. We'll leverage our relationships with key personnel at each of the utility providers to facilitate the design and installation of the work. *Kimley-Horn offers the City the types of services that have been identified in the RLI and can be found in the following sections of this response:*

Discipline	Section/ Page
Electrical Engineering and Overhead Utilities Undergrounding Design	2-2
Utility Provider Coordination	2-3
Easement Acquisition	2-3
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Discipline	Section/ Page
Water, Wastewater, and Stormwater Engineering	2-4
Environmental Permitting	2-5
Construction Administration and Observation Services	2-5
Public Involvement	2-6
Survey and Subsurface Utility Locating	2-7
Geotechnical Investigations	2-7

A Commitment to Success. With Kimley-Horn, you get a group of professionals dedicated to meeting the undergrounding needs of the City of Pompano Beach. From our many years of local experience and successes, coupled with our knowledge of the underground conversion process and the backing of our nationwide resources, we will develop a partnership with your staff to plan and implement your underground conversion projects, while considering the needs of the community, overcoming the constraints that exist, and responding adeptly to change as it may come along.

We will serve this contract from our Delray Beach office and can be contacted using the information below:

Kimley-Horn and Associates, Inc.

1615 South Congress Avenue, Suite 201
Delray Beach, FL 33445

Joshua D. Horning, P.E., LEED AP, Project Manager

josh.horning@kimley-horn.com
561.404.7240

Tax ID No. 56-0885615

We appreciate the opportunity and look forward to our continued relationship.

Very truly yours,

KIMLEY-HORN



Kevin Schanen, P.E.
Principal-in-Charge and QA/QC Manager
kevin.schanen@kimley-horn.com



Joshua D. Horning, P.E., LEED AP
Project Manager
josh.horning@kimley-horn.com

2. Technical Approach

Introduction

The burial of the overhead utilities will be transformative to the City—both functionally and aesthetically. Not only will it aesthetically transform the landscape around the City, it will also significantly improve the level of service of electric, telephone, and cable communications to the community. For this very important contract, the City needs a consultant team they can trust—one who listens, understands, and has the local talent and proven experience to plan, design, and execute this type of project efficiently and cost-effectively. Kimley-Horn is that consultant.

We can draw several parallels between these projects and past projects that Kimley-Horn has successfully completed or are currently engaged in, such as the Town-Wide Undergrounding Program in the Town of Palm Beach. The similarities between that program and the types of projects that you may undertake gives us the unique ability to roll those efforts and experiences into your projects and allows us to focus on the specific needs and requirements of the City of Pompano Beach. By combining the elements of successful recent strategies and applying invaluable lessons learned, Kimley-Horn will develop a project success strategy tailored to the City.

By combining the elements of successful recent strategies and applying invaluable lessons learned, Kimley-Horn will develop a project success strategy tailored to the City.

We have used this experience to develop a project approach that you can be confident will be successful in the implementation of each undergrounding project you choose to assign to us. Listed below is an overview of key characteristics of our approach to managing projects under this continuing services contract:

- **Think and Act as an Extension of the City Staff.** Our team will approach projects as though we are part of your staff. Working within the City is unique and a thorough understanding of this uniqueness and what that means is essential to successful project implementation. A consultant who understands the importance that aesthetics, traffic flow, and overall community impacts will play during all phases of the program will be vital to success. This requires a team of permanently locally-based experts who have a strong understanding of this uniqueness and a wealth of infrastructure planning, design, and construction experience.
- **Communication.** A high level of communication between all parties involved, including the engineering design and construction teams, utility providers, City staff, City Commission, and the City residents is essential. Communication needs to be two-way so that the needs of all parties can be carefully considered and worked into the design.
- **Staff Continuity.** From planning to construction—continuity of consultant staff is a must.
- **Strong Teaming Partners.** Kimley-Horn has teamed with a number of local firms on a variety of projects in the past. For this assignment, we have partnered with Keith & Associates, Inc. as well as several other firms to provide a variety of niche services that will prove invaluable to the City.
- **Provide Community Outreach.** Providing information about a project to the community can be as important as the design of that project. We can prepare all exhibits/media, present to the community, or simply provide support for the City of Pompano Beach staff in their normal outreach efforts.
- **Think Big Picture.** We will look beyond the project: What are the long-term goals? What are the long-term opportunities for community enhancement? We will help the City identify opportunities to plan for future extensions of the conversion projects.
- **Be Flexible.** We understand schedules change (accelerated or delayed), project scopes change, and we must be prepared to deal with these changes. Our team is available at all times for any size task and can readily adapt and scale our services to the task at hand.

Keeping these key characteristics in mind, we offer below our approach to undergrounding the overhead utilities in the City of Pompano Beach.

Team Organization

Effective project management is essential to providing positive outcomes on any project. Our approach to this project begins with project managers who understand this type of work, know the stakeholders involved, have proven experience with the successful execution of large-scale infrastructure projects, have experience with undergrounding projects, and are committed to the success and implementation of this project. With **Kevin Schanen, P.E.** providing high level oversight, Kimley-Horn offers the City a seasoned principal-in-charge with a wealth of experience. Mr. Schanen possesses an abundance of electrical and telecommunications experience, having served as project manager for a number of municipal undergrounding programs and smaller neighborhood conversion projects. He has also designed sub-station sites for FPL, as well as hundreds of communications facilities for AT&T, Verizon, Sprint, and others across the southeastern United States.

Effective project management is essential to providing positive outcomes on any project.

With the help of a network of internal staff and strategic teaming partners, our multidisciplinary team will provide the City with service and a wealth of knowledge unparalleled in the industry.

Even the most experienced and dedicated manager would not be able to produce the highest quality work without a complete and committed team of professionals. We offer you a depth of staff and teaming partners unrivaled by other consultants as to experience with aerial conversion projects. We have numerous professionals on our team with diverse experience and educational backgrounds capable of handling complicated and intricate projects such as this one. With day-to-day efforts falling under the reins of project manager **Joshua Horning, P.E., LEED AP** (who has recent undergrounding experience in Palm Beach, Sunny Isles, and Fort Lauderdale), Kimley-Horn can plan and execute this project while maximizing efficiencies learned from past projects. With the help of a network of internal staff and strategic teaming partners, our multidisciplinary team will provide the City with service and a wealth of knowledge unparalleled in the industry. Josh has the ability to call on the full resources of the firm to support the City of Pompano Beach, maximize resources, and meeting the project timetable.

The process of undergrounding aerial facilities throughout the City is a significant infrastructure project that will present schedule, cost, and coordination challenges. Effective management is essential to delivering successful projects on schedule and within budget. The success of a project is largely dependent on having a project manager who understands the importance of proper coordination, project phasing, and the interdependency of various tasks.

Electrical Engineering and Overhead Utilities Undergrounding Design

Kimley-Horn has prepared numerous underground utility designs across the country. Just about every land development, transit, and major infrastructure upgrade we perform involves the installation of underground electric, telephone, and cable utilities. From simple services for commercial and residential buildings to streetscape renovations like Worth Avenue to massive infrastructure projects like the Miami World Center in downtown Miami, Kimley-Horn has designed the conduit runs, pullbox locations, and extensively coordinated with the utility providers to deliver completed underground utility projects to the client.

For this contract, we have partnered with both Brannon & Gillespie, LLC (B&G) and Waypoint Engineering and Equipment, LLC to assist our team with the initial planning and QC review of the detailed design plans, both those prepared by the Kimley-Horn team for conduit runs and those prepared by FPL, AT&T, and Comcast for the high- and low-voltage facility designs. As former FPL distribution engineers, both Danny Brannon, P.E. and Russell Morrison, P.E. of B&G have unique experience with FPL in the design of primary underground facilities, including feeder switch cabinets, 3-phase feeder and primary distribution systems, primary laterals to pad-mounted transformers, relocation of existing overhead feeders, and undergrounding of primary distribution facilities. B&G has extensive local undergrounding design experience in Pompano Beach and throughout Florida. *Under the leadership of Kimley-Horn, these firms can provide*



valuable, cost-savings benefits to the City by identifying and eliminating over-designed electrical and communications infrastructure that may only benefit the utility provider and not the City.

Utility Provider Coordination

Kimley-Horn has extensive experience in the coordination of dry utility design with various providers like FPL, AT&T and Comcast. This level of coordination ranges from the provision of simple services for small-scale land development projects all the way to the relocation and/or undergrounding of various facilities related to large-scale infrastructure projects. Kimley-Horn has coordinated utility relocations, designs, and undergrounding in the Town of Palm Beach and on various smaller scale neighborhood and streetscape projects throughout southeast Florida. We anticipate that we will continue working with folks like John Lehr and Bill Thomas at FPL, Darrell Davis and Eddie Herron at AT&T, and Jeannine McEnroe and Anthony Springsteel at Comcast for the execution of this program.

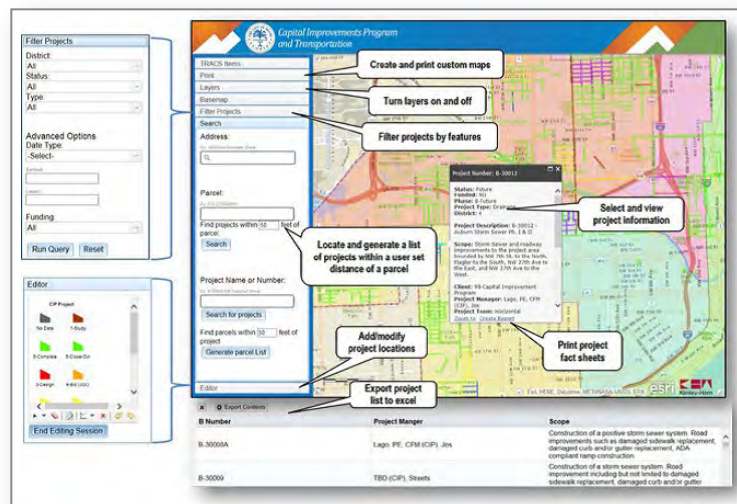


Easement Acquisition

Kimley-Horn regularly partners with municipalities on a variety of projects to acquire easements needed for public infrastructure. Our experience includes obtaining numerous temporary and permanent easements for undergrounding projects. For this program, we have partnered with both Brannon & Gillespie, LLC and Waypoint Engineering and Equipment, LLC for the easement acquisition process. Kimley-Horn has partnered with both firms on past projects and they were instrumental in negotiating dozens of easements with private property owners that were required for undergrounding. Kimley-Horn will employ the services of Keith & Associates, Inc., our project surveyor, to prepare the legal sketches and descriptions that will be used to describe easements on each property, as may be needed.

Geographic Information Systems (GIS)

Kimley-Horn will utilize GIS technology to provide efficient, dynamic, and effective services to our clients. Our experience with data evaluation, management, and development provides us the ability to perform and create customized models, run complex spatial analysis, and manage organizational databases that can be applied across a variety of disciplines. We can provide you with the support and services necessary for effective planning and data management.



Landscape Architecture and Streetscape

Kimley-Horn's in-house landscape architects will help to implement the landscape screening required to preserve the aesthetic qualities of the City after infrastructure such as transformers and switch cabinets are installed. Aesthetic treatments are a very important consideration as maintaining the City's unique character will be a key component to the project's overall success. Our team provides the right landscape professionals that can provide a level of treatment complementary to the existing property owner's landscape scheme.

Kimley-Horn has a well-earned reputation for combining creative ideas, technical excellence, and client collaboration, resulting in dynamic landscape designs that blend into their environments and become a part of the area they inhabit. Kimley-Horn's success in streetscape master planning, design, and construction observation results from a finely tuned balance between landscape architecture, roadway design, traffic engineering, civil engineering, and stakeholder engagement. The firm's landscape architects and urban planners have varied public sector experience ranging from corridor plans and downtown streetscape programs to parks and recreation planning. Our planners and landscape architects emphasize the development

of a pleasing visual environment, distinctive image, and strong sense of place while remaining sensitive to budget and long-term maintenance obligations. Kimley-Horn provides full-service visioning and design through engineering and construction administration for all types of urban streetscape projects. Our urban planners and landscape architects work with our civil engineers to apply creative, realistic approaches to problems and solutions. Ultimately, our goal is to respond to the unique needs of each community.



Roadway Design

Roadway design and planning is one of the mainstays of our firm's professional practice and we are well equipped to address all related aspects of roadway design projects. Collectively, our engineers have been responsible for the design of more than 3,500 miles of roadway, much of it here in Florida. Our staff is also well versed in designing maintenance of traffic (MOT) plans that balance all modes of traffic in an efficient and effective manner. MOT is no longer just about ensuring smooth and reliable vehicular traffic, but must also ensure that other modes of travel, pedestrians, bicyclists, and the physically handicapped are safely and efficiently moved through and around the construction zone. Kimley-Horn staff have provided MOT plans for numerous projects, including undergrounding conversion projects, throughout the state of Florida.



Water, Wastewater, and Stormwater Engineering

Kimley-Horn has extensive experience with pipeline construction, including conventional installation and horizontal directional drilling (HDD) projects. We routinely interact with and have long-standing relationships with permitting agencies to procure permits for unique pipeline and HDD projects, including those involving subaqueous crossings under sensitive wetlands and under Waters of the State. Representative projects include crossings of the Indian River Lagoon (an Outstanding Florida Water), the Intracoastal Waterway, and ocean outfalls which require special monitoring where drilling procedures are exposed to variable conditions.

Kimley-Horn has designed thousands of feet of storm, gravity sewer, force main, airline, and potable water pipelines within South Florida. We understand the local nuances on how to successfully complete these projects—especially within tight residential corridors and state and county rights-of-way.

Our staff has wide-ranging knowledge of stormwater management systems of all sizes and functions, from master stormwater system hydraulic modeling for an entire urban municipality to the design of stormwater piping or swale systems serving a local neighborhood block.

Environmental Permitting



In the event that any of the work will require coordination with the Florida Department of Environmental Protection (FDEP) for work eastward of the Coastal Construction Control Line (CCCL), or for any coastal engineering and permitting needs, our environmental engineers cover the gamut of concerns that could arise. We have successfully represented numerous institutional, national, and local clients before federal, state, and local agencies, including the South Florida Water Management District (SFWMD), Broward County Environmental Protection and Growth Management Division (BCPEGMD), the U.S. Army Corps of Engineers (USACE), and the Florida Department of Environmental Protection (FDEP), among others. We are experienced in preparing permit applications for these agencies, know what is required to gain approval, and excel

in providing the high level of coordination that facilitates an expedited permitting process. Once permits are issued, we track the conditions associated with each permit to ensure that the project remains in compliance through construction and final completion.

Construction Administration and Observation Services

Kimley-Horn's professional staff has extensive experience in construction administration and will keep project contractors on task, on time, and within budget. Our experience will result in the delivery of quality projects that will make both the City and Kimley-Horn proud. Our client support includes value engineering, bid phase services, establishing financial controls to track contractor and project consultant progress, progress report development, community outreach and education, public involvement meetings, document control, and review of shop drawings and product submittals. Other services include answering questions from the contractors, subcontractors, and suppliers; observing progress in the field; schedule development and tracking; administering the testing process; performing equipment and process startup; reviewing change order requests and payment applications; and making recommendations to the client. Most importantly, we serve as an extension of your staff to help you complete your most challenging assignments.



We work very hard to make sure your interests are kept first and foremost while performing our observations in the field. Because our engineers and subconsultant partners are already familiar with your work program, we can quickly determine whether the contractor is straying outside of the requirements of the plans and specifications. This allows us to make quick corrections before the project heads down the wrong path and has contributed to our many past successes on your projects. We are also well versed in providing construction phase services on projects that were not designed by Kimley-Horn.

Kimley-Horn can provide you with an on-site project field representative to observe contractor operations throughout the construction process. This is particularly important for components that will be buried or otherwise hidden from view at the conclusion of the project. Undergrounding of utilities such as electric, telephone, and cable must be inspected prior to installation and comprehensively photographed for future reference. All of these activities will be documented in daily reports with photographs prepared and cataloged by the field representative. These reports are then posted to a private FTP site

that can be viewed by authorized users at any time. Any outstanding deviations will be brought to the contractor's and your attention as they are discovered so they can be resolved quickly.

Public Involvement

Because these projects affect a large number of residents and will have such a long-lasting effect on the community, a strong public involvement program throughout the duration of each project to keep the community informed is a must. We have internal staff with a great deal of experience in public outreach and communication. **Lisa Stone, P.E.** has 19 years of experience, including public involvement. Lisa's public involvement experience spans across Florida and her ability to communicate technical engineering issues in layman's terms is evidenced by numerous successful infrastructure projects that she has implemented across the state.



To supplement our own staff, we have enlisted the help of Keith & Associates, Inc. Keith & Associates understands the importance of community involvement and the necessity of working with local, state, and federal agencies in a hands-on cooperative manner to build consensus and receive subsequent approval of highly sensitive projects. **Debbie Love, AICP** is Vice President of Planning and Public Engagement. She has more than 25 years of experience with public involvement and practice management, as well as community, city-wide, and regional planning.

Additionally, to help the community get a better feel and understanding of what one of the more common pieces of infrastructure will look like, we have fabricated a faux transformer. This faux transformer can be used during public involvement meetings, resident coordination meetings, and can even be easily transported to a resident's or business owner's property to help the resident/business owner visualize what the transformer will actually look like in their own front yard. Although this is a useful tool in helping residents visualize the equipment necessary to make this project happen, there are other pieces of equipment that may be used as part of the design, some larger and some smaller. Part of our role will be to educate the residents on these and other misconceptions.



Specialty Subconsultants

In addition to the Kimley-Horn in-house staff, we have complemented our team with a number of local specialty firms from a variety of disciplines to serve the City on this project. These subconsultants are shown on our project organization chart in Section 5, which graphically describes how our overall team is organized. A description of each of our subconsultant's specific role on the project follows below.

Survey and Subsurface Utility Locating

Keith & Associates, Inc. will serve as the project surveyor for this contract. They have placed a strong emphasis on quality surveying and mapping practices and procedures. This focus ensures that their surveying personnel are committed to exceeding your expectations. The expertise of their land surveying staff is evidenced by their surveyors combined experience (over 90 years) of surveying in the South Florida area. This experience has resulted in a tremendous database of knowledge and information. Their staff's familiarity with local conditions and resources provides valuable insight into their client's individual project needs and requirements.

For any underground related work, it is important that the design team know what exists underground as input to planning and design—and before the selected contractor begins excavation. Performing upfront investigative work is an investment that always pays off in the form of reduced scheduling delays and change order costs. For this contract, Keith & Associates will also be providing subsurface investigation services to help the design team identify existing utilities and develop locations for the new electric and communication conduits to be properly installed. Headquartered in Pompano Beach, Keith & Associates has extensive experience working within the City.

Geotechnical Investigations

We understand that trenchless methods of conduit installation may be desirable to limit restoration needs and construction impacts associated with the program. Because it is anticipated that trenchless horizontal directional drilling will be used extensively for the construction of the electrical and communications conduits, we have partnered with Tierra South Florida, Inc. (TSF) to provide geotechnical investigations where appropriate to determine existing soil conditions.

TSF provides a complete range of geotechnical engineering services. They own a large diverse fleet of eight drill rigs with automatic hammers capable of drilling in challenging conditions whether remote, soft, marshy, over-water, difficult access, or environmental-sensitive areas. TSF also employs maintenance of traffic (MOT) certified staff to safely perform drilling services in high traffic areas. TSF's geotechnical services include: laboratory testing and analysis; site grading recommendations; onshore and offshore subsurface exploration; laboratory testing and analysis of soils and rocks; pavement evaluations and design; deep and shallow foundation analysis and design; site preparation recommendations (slope stability analysis, soil reinforcement, corridor studies); expert witness testimony; unknown foundation evaluations; and value engineering. TSF has provided services within the City of Pompano Beach on numerous occasions.

Project Control

Cost Control

Kimley-Horn is sensitive to meeting client budgetary needs and has employed a variety of measures to ensure we design a project within budget. Our recent experience providing these services for numerous governmental entities has given us significant command of current design processes and construction cost-saving options. The best way to control construction costs is to provide detailed design plans and specifications to ensure the contractor is well aware of the existing conditions and proposed design features to complete accurate bids. *Insufficient information leads to contingency pricing and supplements during construction.* Key components to cost control are:

- **Detailed Work Plans** – Thorough planning with descriptions of goals, milestones, QA/QC plans, detailed staff-hour estimates, and items critical to the project's success.

- **Preparation of Detailed Plans and Specifications** – Vague and limited details can lead to higher bids and change orders during construction.
- **Accurate and Up-to-Date Project Cost Estimates** – With similar projects recently bid and under construction, we have current unit costs to use for preparing opinions of probable costs.
- **Quality Control Review** – We will evaluate the project at each milestone to determine if there are areas where we can add value by modifying our design to take advantage of construction cost saving opportunities.
- **Evaluate Current Construction Practices** – With ongoing construction projects, we continuously evaluate construction methods and materials to find ways to value engineer our projects.
- **Communication** – Continuous interaction between the City of Pompano Beach, Kimley-Horn, and the contractor will result in a focus on quality. *Immediate attention to potential problems is paramount to minimizing cost overruns.*

Kimley-Horn's ability to meet project cost control requirements can best be exemplified by our track record of meeting our clients' budgets. On several recent municipal projects we have effectively designed each project to come in under our original construction cost estimate, including Phase 1 of the Town Wide Undergrounding of Overhead Utilities in Palm Beach. This serves as a testament that we have a strong cost control system that has been proven time and time again.

Kimley-Horn will scrutinize all change orders to ensure that they are necessary and that appropriate pricing is applied.

Not every project will be completed without field adjustments that may result in a change order. Some will be due to a City requested change and some change orders will be due to an unforeseen site issue or conflict. The key to minimizing a change order is to produce a set of plans and specifications as described above. Plans that are clear and concise leave little room for question. Beyond that, continuous communication with the contractor can eliminate or minimize change order costs. Kimley-Horn will scrutinize all change orders to ensure that they are necessary and that appropriate pricing is applied.

Kimley-Horn's ability to meet project cost control requirements can best be exemplified by our track record of meeting our clients' budgets.

Schedule Control

Kimley-Horn recognizes that meeting our clients' deadlines and staying within budget are critical to the success of a project—our depth of staff and ability to activate resources from other Florida offices will ensure that we complete the City's projects on time.

Our first step in schedule control is to understand your vision for a project and then develop a realistic schedule to make that vision a reality. This step requires immediate and clear communication and is a critical step in partnering for a successful project. We will define the project requirements, understand potential obstacles to success, identify potential opportunities to achieve more within the same project, and create a project work plan that allows us to accomplish your goals efficiently.

Our proactive management process ensures the availability of firm-wide and Florida-based resources for project staffing requirements through a proprietary program maintained on our computer network called "cast-aheads." The cast-aheads process ensures that sufficient staff and hours are available to meet project schedules. Combined input from the firm's project managers is compiled and distributed in the form of a report to all project managers and regional management for review and discussion at the monthly cast-ahead meeting. Work overloads and/or shortfalls for specific personnel, individual offices, and disciplines are tabulated and addressed at the meeting. Where possible, these imbalances are resolved through internal shifts of personnel between offices. The objective is to balance the workload in a manner that maximizes the use of production staff, while ensuring that all project requirements and client deadlines are met. Because of the level of effort we spend on understanding workload and on what projects staff are working on, Kimley-Horn can define on very short notice our ability to handle any task assignment and exactly who has the most availability to work on a project so it is completed on time.

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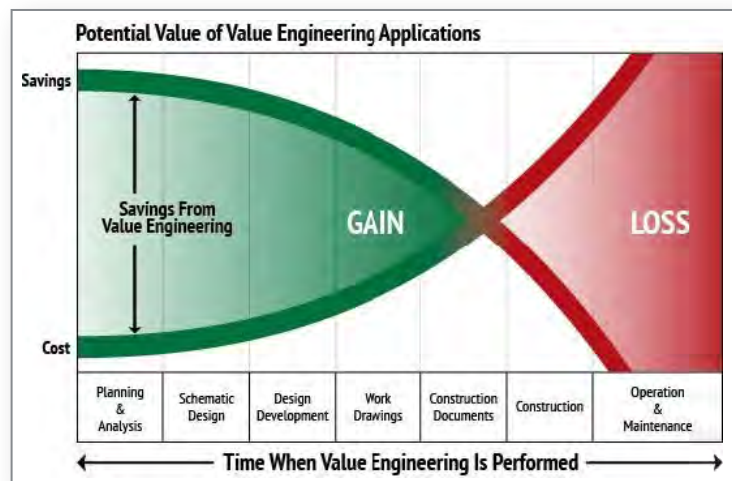
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Value Engineering

Kimley-Horn strives to provide continuous value engineering by focusing on better decisions, better information, better analysis, cost reductions, increased productivity, and accurate deliverables throughout all phases of the project. Value engineering is a key factor for developing successful projects that transition from study to design, and from design to construction. The challenges associated with each project task are solved creatively and effectively. Each step is reviewed by the most qualified professional to ensure the highest level of value. Kimley-Horn has also worked with many municipalities and governmental agencies to provide peer reviews and value engineering reviews. Our team's expertise can be applied to designs completed or partially completed by other engineering companies. Our experience in all facets of municipal work can be applied to any existing project with positive results and added value to the City of Pompano Beach.

The common goal of the Kimley-Horn team is to provide the City of Pompano Beach with the most value throughout every aspect of each project assignment.

Our knowledge of local construction costs will allow you to accurately budget for upcoming capital projects. Construction costs have seen large swings both up and down over the last five years. Our technicians keep track of current construction cost data through the Florida Department of Transportation (FDOT) databases and reviewing our current projects that are being bid. Based on recent projects bids, we have seen a rise in costs and adjust unit costs in our OPCs accordingly. We look at trends in unit pricing so we can help our clients project costs of future capital projects.



Quality Assurance/Quality Control (QA/QC)

Quality is a keystone principle of Kimley-Horn. It is one of the key attributes that has enabled us to become one of the leading consulting firms in the country and it is absolutely essential to our continuing success. *Our QA/QC manager, Kevin Schanen, P.E., will ensure our services provided for you meet our high standards of quality.* Kimley-Horn's QA/QC program is based on the philosophy that:

- Quality is **achieved** by adequate planning, coordination, training, supervision, and technical direction; proper definition of the job requirements and procedures; understanding the scope of services; and the use of appropriately skilled personnel performing work functions carefully.
- Quality is **ensured** through the careful checking, reviewing, and surveying of work activities by individuals who are not directly responsible for performing the initial efforts.
- Quality is **controlled** by assigning a manager to evaluate all work and procedures followed while providing the services.

- Quality is **verified** through independent reviews by a qualified staff member of the processes, procedures, documentation, supervision, technical direction, and staffing associated with the project development. Project quality is "built in," not added on.
- Quality work is the direct result of careful, properly sequenced, and supervised production, and continuous checking of each work element for completion and correctness by the task leader and project manager.

Kimley-Horn's approach to managing projects is intended to ensure that your project not only meets the high-quality standards that you demand, but that it is also delivered on time and within budget. Our projects are managed by professionals registered in their respective disciplines of practice such as utility engineering, traffic operations, civil engineering, roadway design, etc. Quality begins with the solid foundation of skills and experience that these professionals possess. *Our staff have been firmly committed to providing top quality services since the firm began 50 years ago, and ultimately our people will be responsible for exceeding your expectations for quality.*



Project Execution

We know that responsiveness to your needs is vitally important. Our local Delray Beach office (supported by our other Florida offices) is geared to providing the types of services required to assist our local clients with projects of varying scale and scope. Accordingly, we structured our firm as a business-based professional engineering practice. *Kimley-Horn's philosophy of providing professional engineering services is based on client service and technical expertise.* This philosophy is especially applicable for projects that encompass a broad variety of disciplines and experience, yet require a common point of contact. Accordingly, we provide all our clients with teams of client-centered professionals and staff members who are empowered with the flexibility needed to respond quickly to both administrative requirements and scheduling needs. Much of our success is directly related to our ability to provide high quality, timely services.

When Kimley-Horn creates a consultant team for a project, the client's best interests are always the primary focus of our efforts. This means you have the assurance of knowing that all of the project tasks and activities are under the management and quality control of a dedicated local project manager, **Joshua Horning, P.E., LEED AP**, who has the corporate authority to allocate manpower resources as necessary and whenever required. This level of personal responsibility leads to better decisions, better information, cost reductions, increased productivity, and quicker, more accurate product development and delivery. Moreover, there is continuity and camaraderie among our key staff.

Design Phase

It has been our experience that no matter the size or complexity of any given task, careful consideration of all project issues, details, and goals of the City at the onset of the detailed design phase is essential to the successful execution of the project that exceeds the City's expectations. To that end, Kimley-Horn will begin with a comprehensive team effort to work with the City and the various stakeholders during the design phase for each project.

We have assembled a team of proven professionals to ensure that the design schedule can be met as agreed upon early on. Based on our experience, no other consultant team has the extensive undergrounding knowledge than Kimley-Horn. With this knowledge, maximizing efficiencies in design and construction will be second nature and built into the project from day one.

Kimley-Horn will coordinate and conduct project surveys, geotechnical investigations, and utility soft digs as required to gather vital information to be used during this phase of the project. Because much of the construction is below ground, this investigative information will be extremely valuable to obtain before detailed design begins and construction drawings are prepared. Determining the exact location for the conduits within the corridor, based on careful consideration of the record drawings and utility soft digs, can simplify the design and avoid costly change orders during construction.

Our same team of engineers will be involved in every step of the design and construction phases from beginning to end. This allows City staff and other stakeholders to communicate their desires early in the design process and maintain a consistent point of communication throughout the project life, which eliminates surprises during final design and construction. Kimley-Horn is well versed in performing all types of utility infrastructure projects, through varying soil conditions (i.e. muck, rock, high water table, etc.) and various construction techniques. Kimley-Horn has the capacity to develop construction plans for the underground conversion of utilities in conjunction with any necessary City infrastructure needs that were identified early on.

We understand the need to be flexible throughout the design phase will be critical to the success of the project. Our final designs will be based on information gathered during data collection and utility coordination, but we will be open to change when the situation demands that change occur.

Data Collection

During the initial stage of the project, we will focus efforts on collecting existing infrastructure information from FPL, AT&T, Comcast, and others as appropriate so we can gain a detailed understanding of the electric, telephone, and cable communications transmission and distribution system on a macro scale. This information will guide the major decisions on where feeders and trunk lines should be laid, as well as helping to identify opportunities to achieve efficiencies in routing.

Utility Owner Coordination

We will conduct coordination meetings with FPL, AT&T, Comcast, and the City to efficiently exchange information and work through any issues. Face-to-face meetings will also facilitate the conceptual design of the overall electrical, telephone, and cable systems that will need to be developed. Coordination meetings like this with key stakeholders have been a key to success on many past undergrounding projects. Additional stakeholders who will be included in this coordination process in addition to those listed above are as follows:

- **Broward County Water and Wastewater Services** – For coordination of water and sewer main relocations and/or replacement projects that are already anticipated and funded, as well as existing infrastructure mapping.
- **Broward County Traffic Engineering Division** – For coordination of traffic signal improvements and/or upgrades along with existing signal interconnect mapping.
- **Broward County Highway Construction and Engineering Division** – For coordination of anticipated improvements for a proposed undergrounding corridor within County right-of-way and existing utility mapping.
- **Florida Department of Transportation** – For coordination of anticipated improvements for a proposed undergrounding corridor within State right-of-way and existing utility mapping.
- **TECO Peoples Gas** – For coordination of existing and/or anticipated natural gas facilities within a proposed undergrounding corridor.

During the detailed design process, we will continue holding regular coordination meetings with FPL, AT&T, Comcast, and the City to efficiently exchange information and work through any issues related to the area in design. We will work with utility owners to provide their binding cost estimates for the work to be performed in the area being designed. The details of the “end-conditions” will be worked out where the underground service transitions to overhead service until the time the next project or phase begins construction. Regular coordination meetings with other key stakeholders will be held as appropriate depending on how that individual stakeholder is affected by the work in the specific project area being designed.

Easement Need Identification

The easement acquisition process will occur parallel with the design efforts. Development of an early conceptual design plan facilitates the schematic placement of aboveground support infrastructure such as transformers, switch cabinets, capacitors,

cable and telephone terminals, and the like. This allows easement locations to be identified at the beginning of the project, allowing the City and Kimley-Horn an adequate amount of time to procure these easements prior to construction. Kimley-Horn's experienced internal staff supported by our subconsultants will assist the City with these acquisitions. In the event that a property owner will not provide the easement, alternate locations can be identified and easements ultimately procured prior to the performance of the detailed design for that area. The team will continue working on easement acquisition throughout the project duration and will continue until all the necessary easements have been obtained to accomplish the project.

Additionally, early easement location identification allows us to plan for the design of aesthetic treatments to screen this infrastructure from the public view and gain any necessary approvals from the City Commission. Kimley-Horn has extensive experience working with these governing bodies for both Public and Private Client projects.

Assessment of Infrastructure Needs

Through the development of the overall power, telephone, and cable infrastructure plan, Kimley-Horn will work in partnership with staff to identify public infrastructure needs that are outside of the overall overhead to underground conversion scope. The City has the ability to realize considerable cost savings by performing necessary public infrastructure improvements like water, sanitary sewer, drainage, lighting, and roadway work in conjunction with the undergrounding improvements. These savings are generally related to the cost of mobilization and restoration as they would be shared between the undergrounding and the infrastructure improvement projects. This is a win-win situation for both the City and their taxpayers.

Kimley-Horn will develop an infrastructure plan that marries the underground conversion elements with critical infrastructure needs. This allows the City to realize the maximum benefit of having these needs identified early and planned out to occur during the conversion project all while not compromising the schedule of the conversion project.

Maintenance of Traffic (MOT) Plan

We will develop an MOT plan that is tailored specifically to each individual project. This plan will be developed in collaboration with the local stakeholders and compared to other concurrent projects and events in an effort to minimize impacts to the community. We will discuss, receive input, and communicate this plan through the various public outreach mechanisms in place for the project, including the website, press releases, and scheduled public meetings. The plan will discuss items important to the City such as:

- Coordination with the Police and Fire Departments
- Consideration of impacts to emergency response times
- Trash collection (both yard waste and solid waste)
- Interaction with other concurrent construction projects in the City
- Mail and package delivery
- Preferred detour routes
- Parking Impacts
- Identify the maximum limits of disturbed right-of-way at any given time during the project

Ultimately, the MOT strategy will provide clear direction to the contractor on how traffic flow should be implemented throughout the project. The details of how many cones and barricades to use will still be left to the contractor but we will dictate the major elements and specific detour routes when needed based on community input, stakeholder coordination, and the infrastructure needs for each project.

Public Involvement/Outreach

Public Involvement/Outreach

Our team will ensure citizens are involved and informed throughout the project.

We will coordinate community outreach to residents during the master planning process. As this project goes through the planning phase, it will be important to solicit public input and hold community information meetings that will allow opportunities for project managers, engineers, and experts to be available to the public to hear their concerns or inform

them on plans and ideas. Regular update and information meetings can serve as the link between the community and the implementation team over the span of this project and alleviate concerns or issues as they come up.

Community Relations

We will implement project-specific community outreach to review the design components of the plan and the impact to the specific neighborhood. Our Project Liaison will serve as a link between engineers, City and residents during the Design Phase. We will coordinate with City Staff and City Commission to provide regular updates. We will seek involvement and send updates to community organizations, such as the Civic or Citizens Association, the chamber, homeowner's association, and other local groups during the Detail Design Process.

A designated community relations spokesperson will be available to support City residents, staff, council, task force, and team members as a link between the community and project team. We further recommend that the contractor provide a Project Liaison who will be responsible for interacting with the residents during the construction phase on a day to day basis when construction is specifically occurring in front of their property. This person can provide details related to construction impacts to their properties such as expected length of time of impact and what can be expected during the process. This person would also promptly address any issues that are brought to their attention by property owners. The Project Liaison role is beneficial to the community because they have a name and a face that provides them a direct communication link to the project team. They benefit the City by having a person to resolve property owner concerns without those property owners having to disturb either the City staff or the construction work crews.

Communications

We will manage and implement a communications plan during the Design Phase. This will include providing notifications to residents such as timelines, days areas traffic will be impacted, and success stories once a certain goal is reached in the project plan, as well as useful tips learned from one area to the next. Communications with residents through mail, phone, and email (where applicable) and on social media will provide updates on the Design Phase and solicit their input. It will include a project phone "Hot Line" and emails, as well as a project website that provides updates, contact information, and FAQ's page where residents can have questions answered.

Media Relations

Our Project Liaison can serve a spokesperson for the project to the media. This will include making sure media inquiries are answered in a timely fashion and ensure the questions are answered by the right team member with the correct updates. Coordinated media releases and statements to the media will be sent as milestones are reached during project phase and we will work with the City so messages are factual and coordinated.

Permitting and Approvals

Portions of the work will need to be permitted through several regulatory agencies. Kimley-Horn understands the potential impacts that permitting issues can have on a project and how to develop a plan to avoid such impacts. In addition to minimizing confusion with clear and concise permit documents, our staff is well versed in agency procedures and their expectations, enabling us to avoid delays and the revisions of submittals. Our team works closely with a variety of regulatory agencies on public infrastructure projects, including those containing significant underground work. We have assembled a team of professionals who have a history of success in obtaining all types of permits required for underground infrastructure work. The following is a list of permits depending on the type of work being proposed:

- **City of Pompano Beach Public Works** – Required for reconstruction of existing or proposed improvements within City rights-of-way. Additionally, stormwater improvements and/or adjustments would be approved through this department.
- **City of Pompano Beach Building Permit** – Building permits may be required for the conversion of non-residential services. Additionally, residential building permits may be needed if there are code issues with the current service connection.
- **City of Pompano Beach MOT Permit** – Any work performed in the City's right of way will require that a MOT Permit be issued through the Public Works Department. This permit is obtained by the contractor constructing the project.

- **Broward County Traffic Engineering Approval** – Required for any traffic signal related improvements within the City as well as MOT within County rights-of-way.
- **Broward County Highway Construction and Engineering Division** – Required for reconstruction of existing or proposed improvements within County rights-of-way. Additionally, stormwater improvements and/or adjustments would be approved through this department.
- **Broward County Water and Wastewater Services** – Required for any water and sewer utility improvements and/or adjustments necessary to facilitate the installation of the dry utility conduit.
- **Broward County/SFWMD Dewatering Permits** – This permit is obtained by the contractor constructing the project.
- **Florida Department of Transportation Approval** – Required for reconstruction of existing and installation of dry utility conduit within State rights-of-way including MOT.
- **FDEP CCCL Permit** – Required for any significant improvements seaward of the Coastal Construction Control Line, such as street lights to replace the street lighting currently installed on the FPL poles.

Contractor Procurement

No matter the delivery method that is chosen for a particular project, Kimley-Horn understands the importance of being responsive during the contractor procurement process. Answering contractor questions and issuing clarifications or addenda in a timely manner during the procurement phase will allow us to deliver a successful construction project on time and within budget, thus avoiding navigating through a project riddled with disputes.

We understand that the selection of the delivery method for the construction of an undergrounding project is one of the items in which the City may seek advice from the Design Consultant. Our opinion is that a “one size fits all” approach may not be the best way to execute each individual project over the life of the contract. Kimley-Horn has worked with municipalities to deliver projects under multiple procurement methods, including traditional design-bid-build, the procurement of quotes from pre-qualified contractors, and the Construction Manager at Risk (CMAR) method. Kimley-Horn has also worked with other municipalities to develop Design-Build Criteria packages for the construction of major facilities. We propose that during the initial planning phase of the project, we look at the individual areas in concert with the additional infrastructure needs that may be required by the City that are outside of the undergrounding scope and recommend a project delivery method that is appropriate for the particular area being constructed.

We are prepared to assist the City in administering the procurement process, including answering bidder questions, reviewing the contractor proposals, and providing the City with a bid or GMP analysis on each of the project areas as they are let for construction. We can then assist in assembling the construction contract, making presentations to Commission and any other related post award services.

On numerous occasions, we have assisted our municipal clients with providing specifications for long lead items in advance of design completion so that they can take advantage of not only the time savings, which is critical to maintaining the construction schedule, but also the tax savings in the direct purchase of equipment. We are ready and able to assist the City with the procurement of these items if it is determined to benefit the project budget or schedule.

Construction Phase

During the construction phase, you can be assured that you will continue to be served by the same Kimley-Horn professional staff who served you during the design phase. Unlike other firms that separate the construction phase team from the design team, our philosophy is to maintain the continuity of the design staff during construction. Because these individuals are the most familiar with the design of your project, there is no learning curve during its construction. Kimley-Horn’s professional staff has extensive experience in construction administration and will keep the contractor on task, on time, and within budget. Our experience will result in the delivery of a quality project that will make the City and Kimley-Horn proud.

Once the contractor is selected, we will immediately request that they submit their time and payment schedules for review. We will identify schedule conflicts, sequence issues, equipment delivery issues, and other factors that may affect the successful completion of the project and address those issues accordingly with the contractor prior to the start of work.

Document control will be established from the onset of the project. It is extremely important for project documentation to be properly filed and distributed to all necessary parties, so having an established program for this effort will prove to be very valuable to the project. We use a web based program called ShareFile to store project documentation. This program allows authorized users with the City to have continuous access to all project files during the course of the project. Individual user permissions can be managed to protect the integrity of the files and avoid accidental file mismanagement.

We expect construction will consist of the following approach for each project area. There are a lot of details to be tended to in between these steps but this is the general process:

1. The City's contractor will install the necessary underground conduits, pullboxes, and other necessary infrastructure. FPL will provide the City's contractor with materials for installation while the City's contractor will provide AT&T and Comcast conduit and pullbox materials according to their specifications.
2. FP&L, AT&T, and Comcast will review and approve the installed materials prior to installation of electric, telephone, and cable infrastructure. The City's contractor would ideally install all of the electrical infrastructure while communication cable and equipment will be installed by crews internal to AT&T and Comcast. The majority of the site restoration can then occur which includes repair of both public rights of ways and private property areas impacted by the conduit installation.
3. Once the infrastructure listed above is complete, the systems will be energized and made ready for service connections to commence.
4. Once ready for connection, individual electrical services will be swapped from the overhead to underground system by the City's contractor and the communication services will be swapped by the respective utility owners.
5. Once all services have been swapped, the existing overhead facilities can then be removed and final restoration and landscaping can be performed.

We will work very hard to make sure your interests are kept first and foremost while performing our observations in the field. Because our engineers and field representatives are so well versed in the design, operations, and maintenance of Municipal infrastructure and facilities, we are able to quickly determine how field changes can affect the overall project schedule and/or future operations. This allows us to make any quick corrections to avoid a project heading down the wrong path and has contributed to the success of recent construction projects.

As each phase of the project nears substantial completion, we will develop the punchlist for the contractor to complete. We will follow up on the punchlist items to be addressed until they are completed. We will work with the contractor to assemble the operations and maintenance manuals, record drawings, warranties, and other pertinent closeout information relevant to the project. Once any project has been completed, the project files, both electronic and hard copy forms, will be assembled for delivery to the City.

Project Field Representative

Our team is complemented with on-site project field representatives who will observe contractor operations. When a component is buried or otherwise hidden from view at the conclusion of the project, daily observation of construction is especially critical. Pipelines, structural reinforcement, foundations, conduit, structures, and internal components must be inspected prior to installation and comprehensively photographed for future reference. All of these activities will be documented in daily reports and photographs prepared and cataloged by the field representative. Any outstanding deviations will be brought to the City's and contractor's attention as they are discovered so they can be resolved quickly and construction disputes can be minimized. Reports will be uploaded to the project website and can be downloaded by authorized users from any computer.

Summary

As your design consultant for this Continuing Contract, Kimley-Horn will provide you with:

- Consultant staff and team members who are detail-oriented, locally based, and will draw on their extensive undergrounding and infrastructure experience to make the best decisions for City residents and staff.
- A Project manager who is passionate about service to his clients and has undergrounding experience in neighboring municipalities.
- Consultant staff and team members with vast experience and a proven track record in the design and construction of some of the largest, most complicated, and most significant infrastructure projects and facilities in South Florida.
- The only consultant team who has successfully undergrounded dry utilities in multiple coastal municipalities.
- A multidisciplinary firm with the strength, depth, and resources that only a national firm can provide coupled with the local staff and relationships required to effectively and efficiently work within the City.
- A consultant team who understands that they represent the City of Pompano Beach and must keep your best interests in mind at all times.
- A Consultant Team with the passion, desire, experience, and creativity to develop innovative, time- and cost-saving ideas to meet your needs for this contract.

Kimley-Horn looks forward to working with the City of Pompano Beach and its residents on these exciting and transformative projects!

3. Ability to Meet Schedule and Budget Requirements

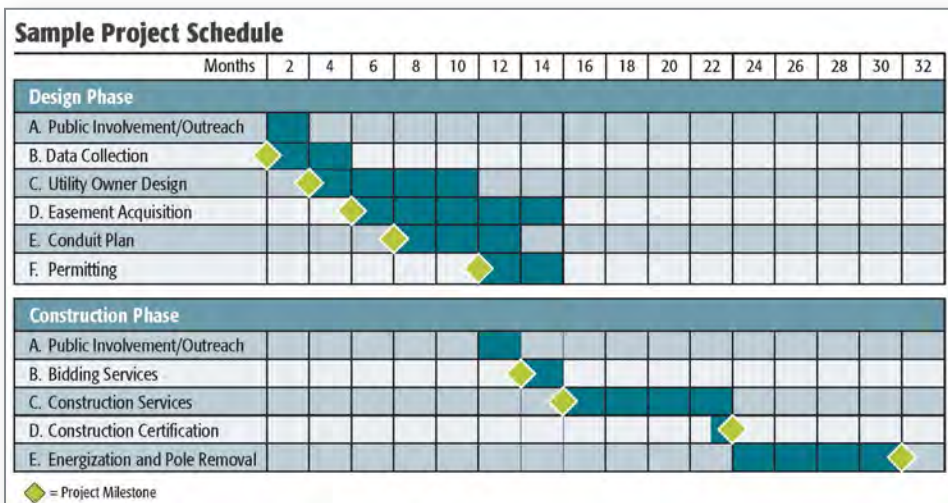
Kimley-Horn recognizes that meeting our clients' deadlines and staying within budget are critical to the success of a project—our depth of staff and ability to activate resources from other Florida offices will ensure that we complete the City of Pompano Beach's projects on time and within budget.

Our first step in schedule and budget control is to understand your vision for a project and then develop a realistic schedule to make that vision a reality. This step requires immediate and clear communication and is a critical step in partnering for a successful project. We will define the project requirements, understand potential obstacles to success, identify potential opportunities to achieve more within the same project, and create a project work plan that allows us to accomplish your goals efficiently.

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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-01-18

Federal I.D.# 56-0885615

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-in-Charge and QA/QC Manager	<u>Kevin Schanen, P.E.</u>	<u>18 – BS, Civil Engineering</u>	
Project Manager	<u>Joshua Horning, P.E., LEED AP</u>	<u>14 – BS, Civil Engineering</u>	
Asst. Project Manager			
Other Key Member	<u>Barton Fye, P.E. (Utility Undergrounding/ Master Planning/Design/Construction Admin., Water/Sewer/Stormwater Infrastructure)</u>	<u>11 – MS, Civil Engineering; BS, Civil Eng.</u>	
Other Key Member	<u>Anjuli Panse, P.E. (Utility Undergrounding/ Master Planning/Design/Construction Admin., Water/Sewer/Stormwater Infrastructure)</u>	<u>12 – BS, Civil Engineering</u>	

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying & Public Outreach/Involvement	<u>Keith & Associates, Inc.</u>	<u>Lee Powers, PSM</u>
	<u>301 East Atlantic Blvd, Pompano Beach, FL 33060</u>	<u>Daniel Checchia</u>
Landscaping	<u>(Land Surveying and Sub-Surface Utilities Locating, Public Outreach/Involvement)</u>	<u>Debbie Love, AICP</u>
Engineering	<u>Brannon & Gillespie, LLC</u>	<u>Danny Brannon, P.E.</u>
	<u>631 US Hwy One, Suite 301</u>	<u>James Gillespie, P.E., LEED AP</u>
	<u>North Palm Beach, FL 33408</u>	
Other Key Member	<u>(Electrical Engineering/Easement Acquisition)</u>	
Other Key Member	<u>Waypoint Engineering and Equipment LLC</u>	<u>Russell C. Morrison, P.E.</u>
	<u>820 W Indiantown Rd, Ste 105, Jupiter, FL 33458</u>	<u>Charles Nero, P.E.</u>
Other Key Member	<u>(Electrical Engineering/Easement Acquisition)</u>	
Other Key Member	<u>Tierra South Florida, Inc.</u>	<u>Raj Krishnasamy, P.E.</u>
	<u>2765 Vista Parkway, Suite 10</u>	<u>Kumar Vedula, P.E.</u>
	<u>West Palm Beach, FL 33411</u>	
	<u>(Geotechnical)</u>	

(use attachments if necessary)

PROJECT TEAM (CONTINUED)RLI NUMBER E-01-18Federal I.D. # 56-0885615**PRIME**

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Utility Undergrounding/Master Planning/Design/Construction Administration	Nick Botts, P.E.	4	BS, Civil Engineering
Roadway and Traffic Engineering	Marwan Mufleh, P.E.	30	BS, Civil Engineering
Roadway and Traffic Engineering	John McWilliams, P.E.	19	BS, Civil Engineering
Roadway and Traffic Engineering	Leonte Almonte, P.E.	14	MS, Transportation Engineering BS, Civil Engineering
Environmental and Coastal Services	David Goldman, P.G.	28	MS, Geology BS, Geology
Environmental and Coastal Services	Luke Davis, P.G.	10	MS, Geology BS, Geology
Environmental and Coastal Services	Mike Kiefer	34	BS, Oceanographic Technology
Electrical Engineering/Easement Acquisition; GIS Mapping	Kaitlin Dombrowski, E.I.	4	BS, Civil Engineering
GIS Mapping	Erin Emmons, GISP	12	BS, Urban and Regional Planning
Construction Administration	Ed Grady	33	BS, Civil Engineering
Construction Administration	Mike Parsons	16	
Landscape Architecture	Jonathan Haigh, PLA, ASLA	22	BLA, Landscape Architecture and Streetscape
Landscape Architecture	Kim Misek, ASLA	11	BLA, Landscape Architecture and Streetscape
Public Outreach/Involvement	Lisa Stone, P.E.	21	BS Civil Engineering
Water/Sewer/Stormwater Infrastructure	Stefano Viola, P.E.	11	BS, Civil Engineering

5. Organization Chart

Project Management Plan

On-call contracts require a different approach from typical project-specific contracts. For the projects anticipated to develop from this contract, project manager **Joshua D. Horning, P.E., LEED AP's** approach will be specific based on the necessary disciplines required to complete the assignment effectively. At Kimley-Horn, we understand that responsiveness is of the utmost importance and recognize that strong project management techniques are necessary to successfully complete all the City's projects. Our standard management practices are outlined in a formal manual published by the firm entitled, *Project Manager's Manual*. This document clearly establishes the firm's policy, which requires the project manager to prepare a detailed work plan and management plan for each project, no matter the scale or complexity of the project. This includes a plan for controlling and directing all elements of the project, including schedule and budget.

Kimley-Horn also uses a state-of-the-art management information system to continuously track our financial performance and productivity. One of the key elements of this management information system is our cast-aheads system. The cast-aheads system is a proprietary program that is maintained on our computer network, and it is accessible by all project managers. It is the primary means of tracking and evaluating our staffing needs. Updated monthly by the project managers, the cast-aheads system is used to define specific staffing needs for the month and for the next six months. The input required of the project managers includes individual project names, as well as requests for specific personnel to work on these projects for a certain number of weeks. The combined input from all project managers is compiled and distributed in the form of a report to all project managers and regional management for review and discussion at a monthly cast-aheads meeting. Work overloads or shortages for specific personnel and for individual offices are tabulated and addressed at the meeting. Where possible, these imbalances are resolved through internal shifting of staff between offices. The objective is to balance the workload in a manner that maximizes the utilization of production staff, while ensuring that all project requirements and client deadlines are met. This tool is another example of the importance Kimley-Horn places on client service.

Kimley-Horn also uses a state-of-the-art management information system to continuously track our financial performance and productivity.

Kimley-Horn's project manager will keep the City of Pompano Beach's project manager informed of progress on a routine basis, at least monthly. In addition, Josh will keep the City informed on the project progress via weekly telephone and email updates and periodic meetings. We will also provide all team members with our approved project management plan that includes agreed upon scope of services, staff hours, and project schedule, including a list of critical milestones. Our schedule will be updated on a monthly basis to ensure progress is being continuously made. If a task is falling behind, we will assign additional resources to get it back on schedule. Kimley-Horn's subconsultants have also committed their resources to serving the City on assignments and, as project manager, Josh will assemble the designated representatives of these firms and mobilize them on any assignment that requires their expertise.

The organization chart on the following page illustrates our project team structure, defines relationships among disciplines, and serves as a blueprint for how project manager Josh Horning will be able to organize each project team member specific to each assignment to deliver responsive service to the City of Pompano Beach.

Continuing Contract for Engineering and Project Management Consultant Overhead Utilities Conversion to Underground

Exhibit "A"

E-01-18



Principal-in-Charge and QA/QC Manager

Kevin Schanen, P.E. ^{KHA}

Project Manager

Joshua D. Horning, P.E., LEED AP ^{KHA}

Utility Undergrounding/Master Planning/ Design/Construction Administration

Barton J. Fye, P.E., CFM ^{KHA}

Anjuli Panse, P.E. ^{KHA}

Nick Botts, P.E. ^{KHA}

Support Services

Roadway and Traffic Engineering

Marwan Mufleh, P.E. ^{KHA}
John McWilliams, P.E. ^{KHA}
Leonte Almonte, P.E. ^{KHA}

GIS Mapping

Erin Emmons, GISP ^{KHA}
Kaitlin Dombrowski, E.I. ^{KHA}

Landscape Architecture and Streetscape

Jonathan Haigh, PLA, ASLA ^{KHA}
Kim Misek, ASLA ^{KHA}

Environmental and Coastal Services

David Goldman, P.G. ^{KHA}
Luke Davis, P.G. ^{KHA}
Mike Kiefer ^{KHA}

Construction Administration

Ed Grady ^{KHA}
Mike Parsons ^{KHA}

Public Outreach/Involvement

Lisa Stone, P.E. ^{KHA}
Debbie Love, AICP ^{KA}

Geotechnical

Raj Krishnasamy, P.E. ^{TSF}

Electrical Engineering/Easement Acquisition

Kaitlin Dombrowski, E.I. ^{KHA}
Russell C. Morrison, P.E. ^{WAY}
Charles Nero, P.E. ^{WAY}
Danny Brannon, P.E. ^{B&G}
James Gillespie, P.E., LEED AP ^{B&G}

Land Surveying and Subsurface Utilities Locating

Daniel Checchia ^{KA}
Lee Powers, PSM ^{KA}

Water/Sewer/Stormwater Infrastructure

Barton J. Fye, P.E., CFM ^{KHA}
Stefano Viola, P.E. ^{KHA}
Anjuli Panse, P.E. ^{KHA}

Legend

KHA = Kimley-Horn

B&G = Brannon & Gillespie, LLC

KA = Keith & Associates, Inc.

TSF = Tierra South Florida, Inc.

WAY = Waypoint Engineering and Equipment, LLC

Kimley-Horn Project Team Bios



Josh D. Horning, P.E., LEED AP

Project Manager

Josh is a civil engineer with more than 14 years of varied project experience throughout all project phases. Josh has successfully provided project management, design, and construction administration services for large and small infrastructure projects across Florida and California. His successful management of undergrounding projects for the City of Sunny Isles Beach and the City of Fort Lauderdale, along with his extensive involvement with the Palm Beach Undergrounding of Utilities project makes him well qualified to lead this program. He has a proven track record of outstanding service to clients ranging from government municipalities to big-box retail outlets. As project manager, Josh can call on the full resources of the firm to support the City of Pompano Beach.



Kevin Schanen, P.E.

Principal-in-Charge and QA/QC Manager

Kevin has more than 19 years of diverse municipal engineering and project management experience. Quality projects don't happen by accident at Kimley-Horn. Kevin's engineering background is unique because for several years he served the design needs of several telecommunications clients such as AT&T, Verizon, T-Mobile, Sprint, and others. Kevin has served has designed hundreds of telecommunications facilities across the southeastern United States, including cell towers, fiber optic trunk lines, and full-scale data centers and switching centers. Kevin has even designed an electrical transmission sub-station for FPL. As QA/QC Manager, Kevin will conduct QA/QC reviews at the end of each project phase to ensure that the project deliverable is not only technically correct, but also consistent with the project's objectives. Kevin will review project deliverables for clarity, accuracy, and complete scope compliance.



Barton Fye, P.E., CFM

Utility Undergrounding, Master Planning/Design/Construction Administration, Water/Sewer/Stormwater Infrastructure

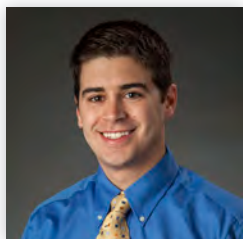
Barton is a Miami area native who has 11 years of diverse municipal engineering and project management experience. As project manager, Barton can call on the full resources of the firm to support the the City of Pompano Beach. Barton has successfully led numerous projects for municipal clients that include stormwater, water and sewer master planning, utility design and coordination, water main, force main, storm sewer, and roadway design. Barton's engineering background is heavily focused on successful expansion, upgrade, and conversion of utilities—work he is passionate about.



Anjuli Panse, P.E.

Utility Undergrounding, Master Planning/Design/Construction Administration, Water/Sewer/Stormwater Infrastructure

Anjuli has 12 years of varied municipal experience in project engineer, project manager, and engineer-of-record roles. Anjuli's Town of Palm Beach experience includes undergrounding projects, high-profile streetscape projects, large-diameter transmission main assessment and design, structural assessment and repair, master system drainage modeling, seawall design, pump station structural design, recreational facilities, and numerous paving, grading, and drainage projects for residential roads. For the Worth Avenue Restoration project, Anjuli performed design related to the replacement and modification of various underground utilities. Her diverse background and attention to detail allow her to handle a variety of complicated projects. Anjuli has a proven track record of proving consistent quality service to the Town of Palm Beach and will bring her engineering and utility owner coordination experience to the City of Pompano Beach.



Nick Botts, P.E.

Utility Undergrounding, Master Planning/Design/Construction Administration

Nick has four years of experience. He has used GIS and AutoCAD to create drawings for Environmental Impact Analysis (EIA), Natural Features Inventory (NFI), and Environmental Resource Permits (ERPs). In addition, he has performed laboratory test on soils, including Atterberg limits test. Nick has also performed field work, including double ring infiltration tests and hand auger boring.

Nick's project experience includes serving as project engineer on the Town-wide Undergrounding of Utilities Program for the Town of Palm Beach which involves conversion of all aerial electric, communication, and cable lines to an underground location.



Marwan Mufleh, P.E.

Roadway and Traffic Engineering

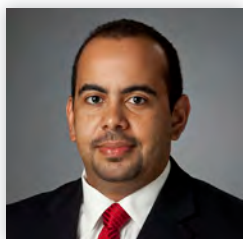
Marwan has 30 years of highway design experience in South Florida. His principal areas of practice include project management, roadway design, drainage design, pavement marking, maintenance of traffic, and construction administration. Marwan has worked extensively on projects throughout South Florida, and has directed numerous projects for Broward County, Palm Beach County, the Florida Department of Transportation, District Four, and several municipalities.



John McWilliams, P.E.

Roadway and Traffic Engineering

John has 19 years of experience involving traffic engineering and transportation planning in South Florida. John's experience includes traffic impact studies, corridor studies, operational analyses, and signalization design. John has been successful in developing creative operational roadway improvements in constrained areas throughout the area by combining his transportation planning knowledge with his expertise in design. John is also proficient in Synchro 5.0, Highway Capacity Software (HCS), AutoCad 2000, Microstation SE, and FDOT Quality/Level of Service software.

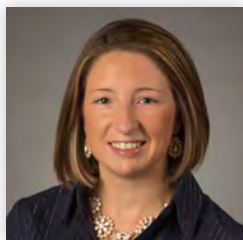


Leonte Almonte, P.E.

Roadway and Traffic Engineering

Leonte has 15 years of engineering experience with a specialty focus on roadway design, drainage design, signing and pavement marking, signalization, and advanced traffic management system design. His experience includes limited-access facility widening to add tolled express lanes; roadway and ITS upgrades to convert existing facilities to all-electronic tolling; design of dynamic message signs and overhead sign structures; and construction contract document preparation and on-site

construction phase services. He is a hands-on engineer who is tasked daily with finding solutions to repair, replace, and expand aging transportation infrastructure. He has served as lead design engineer and/or assistant project manager for several large-scale design efforts in South Florida, including I-75 Segments A/B, C & D Widening; I-595 Corridor Widening; Palmetto Expressway Widening; SR 944 Widening; and Okeechobee Road Widening for FDOT District Six in Miami-Dade County.

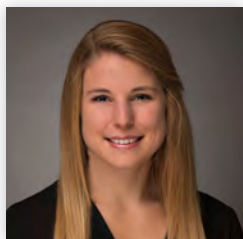


Erin Emmons, GISP

GIS Mapping

Erin has 12 years of experience as a transportation and long-range community planning analyst with a specialty focus in GIS and field surveying. She has experience in long range and community planning, and environmental reviews, including GIS administration, hazards planning, and support. Working closely with our planning team, Erin will be serving as the GIS analyst on the Kimley-Horn team to develop the map graphics associated with the master plan. She has been the lead GIS analyst on

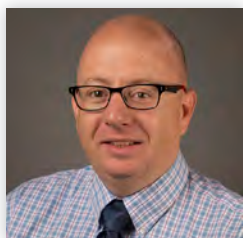
several Florida and Georgia DOT District office projects, as well as multiple MPO and local municipality GIS and transportation specific projects.



Kaitlin Dombrowski, E.I.

GIS Mapping, Electrical Engineering/Easement Acquisition

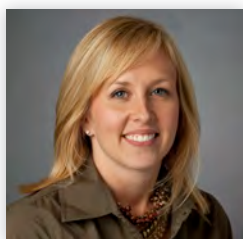
Kaitlin has several years of experience other utility design projects. Kaitlin earned both her Bachelor of Science in Civil Engineering and Master of Engineering in Environmental Engineering with a focus in Hydrological Sciences from the University of Florida. She is a Registered Engineering Intern in Florida and is a member of the American Society of Civil Engineers (ASCE) and its technical source for environmental and water-related issues, the Environmental Water Resources Institute (EWRI). Her computer software experience includes ArcMAP (GIS) and AutoCAD.



Jonathan Haigh, PLA, ASLA

Landscape Architecture and Streetscape

Jonathan is a native of Palm Beach County and has 22 years of experience as a practicing professional landscape architect. He is a skilled designer with park-related project experience throughout the southeast United States: eight community parks of 60 acres and greater, more than 20 passive parks of varying size, and more than 50 miles of dedicated greenways. He has contributed, managed, and/ or produced seven comprehensive recreation master plans in five different states. Implementing these plans and others, he has directed the preparation of park-related construction drawings, detailing, and specifications. His experience is strongest in applying a practical and budget-friendly, yet creative design approach to each project. He has thoroughly embraced the application of sustainable principles in project design and incorporating the design of Florida-friendly landscapes and water-efficient irrigation systems.



Kim Misek, ASLA

Landscape Architecture and Streetscape

Kim has more than 10 years of experience as a landscape analyst. She prepares hardscape plans, irrigation plans, and custom detailing through construction documents and construction phase services. Kim's focus is specifically in the detailed design of municipal parks and streetscapes, urban infill, and overall land development projects for a variety of local and nationally recognized clients. She is experienced with landscape design, site planning, construction document preparation, and in preparing presentation graphics—both digitally and by hand.



David Goldman, P.G.

Environmental and Coastal Services

David has 27 years of experience conducting and managing remediation projects involving hazardous waste, industrial waste, and petroleum contamination. He specializes in the integration of assessment and remediation of contamination with site civil design and construction components. He is also experienced with water resource development, permitting, and modeling, as well as with environmental compliance, RCRA, CERCLA, and state hazardous waste and cleanup programs. In addition, Dave is familiar with the following programs involving aquifer characteristic calculations, groundwater flow, and contaminant transport: MOC, MODFLOW, groundwater vistas, QuickFlow, Aquifer win 32, WinTrans, MODPATH, RT3D, and finite element modeling of groundwater and contaminant transport.



Luke Davis, P.G.

Environmental and Coastal Services

Luke has 10 years of experience primarily associated with site assessment and remediation projects across the southeastern United States. His specific experience includes pre-transaction environmental due diligence, Phase I and II Environmental Site Assessments (ESAs), field sampling, and preparation of technical documentation to the appropriate regulatory agency. Luke stays abreast of the changes associated with the federal, state, and local regulatory agencies, resulting in prompt closure of contaminated properties. Luke has prepared contingency plans for soil, groundwater, and vapor contamination during site construction. He has directed health and safety initiatives for work crews at nuclear power facilities. Luke is a registered professional geologist in Florida, Georgia, and North Carolina.



Mike Kiefer

Environmental and Coastal Services

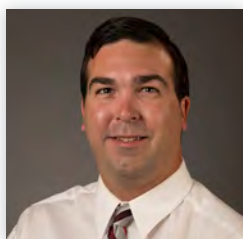
Mike has 34 years of project experience in engineering and environmental analyses, planning, and design; environmental documentation; regulatory permitting; and construction phase services throughout Florida. Mike has extensive knowledge of Florida's environmental regulations and regulatory permitting programs and has strong working relationships with staff within numerous environmental agencies. Mike also serves as liaison between regulatory agencies and his clients. Mike specializes in coastal land development and waterfront land development projects, and he is frequently called upon as a resource and manager for projects which are controversial from an environmental resource management and permitting perspective, or on projects which are complex from a regulatory approval perspective.



Ed Grady

Construction Administration

Ed is a construction services manager with more than 33 years of experience in land development and roadway construction. His expertise is in the fields of transportation, water and sanitary sewer transmission lines, stormwater, concrete construction, roadway and site development. Ed has the proven ability to manage multiple active construction projects, and performs other engineering tasks such as cost estimates, quantity take-offs, specifications, constructability reviews and construction administration. Additionally, he possesses strong leadership skills, interpersonal and communications skills, and is a practical problem solver.



Mike Parsons

Construction Administration

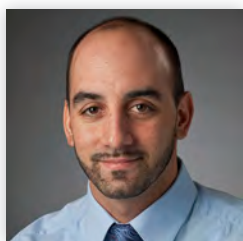
Mike is a construction professional with 16 years of experience overseeing all phases of multi-million dollar construction, infrastructure, utility, and environmental projects for government and private sector clients. His experience includes managing crews of up to 50 in highway improvements, commercial site development, underground utility installation, and a variety of other construction/demolition projects. Michael's experience is backed by strong credentials and a proven history of on-time, on-budget, and high-quality project completions.



Lisa Stone, P.E.

Public Outreach/Involvement

Lisa has 21 years of experience, including public involvement, utility coordination, transportation, PD&E, roadway design, plan preparation, maintenance of traffic, pavement design, roadway lighting design, signing and pavement marking, permitting, long range estimates, specifications, and post-design services. For the Turnpike Mainline Widening from Lake Worth to Jupiter PD&E Study and Design project for Palm Beach County, Lisa served as assistant project manager and public involvement task leader. The project included a public information meeting and a public hearing.



Stefano Viola, P.E.

Water/Sewer/Stormwater Infrastructure

Stefano has 11 years of diverse civil engineering experience, including roadway restoration and resurfacing, drainage modeling, water/wastewater utility design, stormwater master planning, preparation of engineering drawings, permitting, and site/plan preparation and review. He also has experience serving a diverse group of clients, including counties, municipalities, government agencies, and private developers. He also has experience with AutoCAD, WaterCAD, StormCAD, and Cascade software programs and design analysis software.

6. Statement of Skills and Experience of Project Team

Project Team

As highlighted in Section 5, Kimley-Horn's project team is comprised of experts with reputations for excellence. Our project team has the expertise to serve the City on the multiple disciplines required by the City of Pompano Beach's Continuing Contract for Engineering and Project Management Consultant, Overhead Utilities Conversion to Underground E-01-18. The members of our project team were selected based upon their experience with undergrounding projects and utility design; experience with infrastructure projects of similar scale and complexity; and their availability to assume major project responsibilities on an ongoing long-term contract. Our project team will make coordination with the City of Pompano Beach staff our top priority. Kimley-Horn is not focused on the short-term result, but is committed to instituting a long-term relationship founded on trust, respect, and teamwork. We are confident that our project team will exceed your expectations. Kimley-Horn's professionals are accustomed to working on projects involving multiple diverse components and understand the importance of productive coordination to provide the required high-quality services in an efficient and timely manner.

Kimley-Horn is a multidisciplinary firm that pride ourselves on our responsiveness and commitment to our clients. Our firm is structured to attract and retain professionals who are highly-skilled, knowledgeable, and dedicated. This commitment to our people has been the hallmark of our firm and cornerstone of our growth over the last 50 years. Local staff based in our Delray Beach office, with the support of key personnel from our offices in our Florida Region, will be responsible for the management and production of this program. With more than 25 staff in the Delray Beach office and more than 600 in the Florida region, Kimley-Horn has the quality resources to serve the City with responsiveness and expertise. Ultimately, people are the most important element in the successful completion of your undergrounding projects.

The Kimley-Horn team for this project consists of a group of experts in their respective fields who are committed to collaboration and responsive, personal service. Our staffing plan for this project combines a wealth of local knowledge and experience with a proven track record of success on similar projects. All Kimley-Horn project managers use an internal workload forecasting tool each month that details each staff member's workload. Project tasks ahead of schedule, behind schedule, and those needing additional resources are identified. Our staff resources are then reallocated if needed to keep each project on schedule. Kimley-Horn's depth of resources, communication, and flexibility allows us to assemble multiple design teams internally to work on various phases on the project simultaneously; this is critical to meeting both short- and long-term deadlines consistently.

Our project team includes a highly-qualified project manager with local knowledge and undergrounding experience. **Joshua D. Horning, P.E., LEED AP** is an experienced project manager who brings extensive undergrounding experience to the team. Josh has a proven track record managing his project teams to success.

Similar Project Experience for Municipal Clients

Kimley-Horn has successfully partnered with numerous municipalities across Florida and the U.S. on similar infrastructure projects. Our depth of experience with a variety of project types allows us to provide the City of Pompano Beach with staff who understand local regulatory challenges and have strong relationships with key stakeholders. Because these local professionals have a proven track record working on similar projects, there will be no learning curve to contend with. The Kimley-Horn team understands the challenges the City faces and is ready to confront them head-on as a trusted advisor and design consultant.

The Kimley-Horn team provides the City with the best of both worlds; the strength and resources that only a national firm can provide coupled with the local knowledge and relationships that only local professionals possess. Our team of dedicated professionals are prepared to provide the City with all the design and construction administration services listed in RLI No. E-01-18, including:

- Land Surveying
- Utility Locations and Assessment

- Utility Coordination
- Streetscape Services
- Landscape Architecture
- Easement Acquisition
- Public Information, Resident Coordination, and Project Spokesperson Services
- Electrical and Communications Engineering
- Civil Engineering
- Geotechnical Engineering
- Program Management
- Cost Estimating
- Construction Review and Constructability Review
- Construction Administration
- Construction Bid Document Preparation, Review, and Evaluation
- As-built Preparation

The diversity of services that we offer to our clients allows us to be an effective and responsive consultant, not just another engineer. *Our depth of resources means that you will benefit from the knowledge and relationships of experienced professionals who practice engineering for municipalities every day.*

Similar Project Experience Within The Past Five Years

Example Undergrounding Projects

Townwide Undergrounding of Utilities, Palm Beach, FL

Name and address of client

Town of Palm Beach
951 Old Okeechobee Road, Suite A
West Palm Beach, FL 33401
561.833.8827

The nature of the firm's contract

Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location.

The owner's representative's name, addresses, phone number

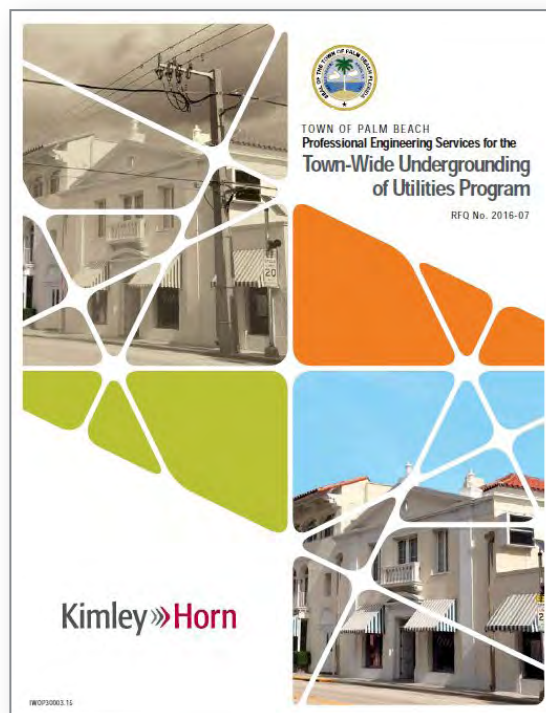
Patricia Strayer, P.E., Town Engineer
915 Old Okeechobee Road, Suite A
West Palm Beach, FL 33401
561.838.5440

Date contract started and ended

Start date: May 2016
End date: Ongoing (10-year program)

Scope or nature of contract

Subsequent to a state of Florida mandate that FPL "storm harden" all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while, the underground utility work is underway. The benefits of undergrounding these utilities



include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Present status of the contract

Ongoing

North Miami Beach Engineering Services Related to Project Management and Engineering Services, North Miami Beach, FL

Name and address of client

City of North Miami Beach
17050 NE 19th Avenue, 1st Floor
North Miami Beach, FL 33162
305.948.2980

The nature of the firm's contract

Kimley-Horn is providing program management services to NMB Water, a water and sewer utility owned by the City of North Miami Beach, which serves over 170,000 customers within several municipalities in Miami-Dade County. Kimley-Horn oversees the implementation and execution of the utility's annual capital improvements program for treatment plant and distribution/collection assets, manages various design consultants working for the utility on capital improvement projects, and reports to the director regarding program implementation and progress.

The owner's representative's name, addresses, and phone number

Karim Rossy, Utilities Engineering Manager
17050 NE 19th Avenue, 1st Floor
North Miami Beach, FL 33162
305.948.2980

Date contract started and ended

Start date: March 2016
End date: April 2017 (design)

Scope or nature of contract

Kimley-Horn was retained as the Program Manager for the Utility Department. The Department has a capital budget of approximately \$40 million. The Utility has a 32-MGD water treatment plant (using lime softening, nanofiltration and reverse osmosis processes), and an associated distribution system. The wastewater collection system is also owned by the Utility. Program Management activities include coordination of multiple ongoing capital projects being performed by six different engineering consultants, approval of all engineering invoices, approval of all contractor pay requests, and review and approval of all plans for conformance the Utility standards. The projects involve a wide array of work ranging from distribution piping replacements or wastewater lift station upgrades to chemical feed system and process modifications at the water treatment plant. Periodic portfolio meetings are conducted with each consultant to set and update performance milestones and identify/reconcile production impediments, as well as provide a coordination vehicle to make certain the activities on each project fit seamlessly into an overall coordinated plan.

Within the general umbrella of Program Management, Kimley-Horn also provides technical operations assistance on an ongoing basis. Services include the provision of opinion on process optimization concepts for both lime softening and membrane plants and permitting assistance for all projects.

In addition to Program Management services, Kimley-Horn also provides design, permitting, and construction services on a wide range of projects. Typical projects include security enhancements, work space reconfiguration, record management systems reconfiguration, chemical feed systems redundancy and reliability improvements, lime sludge return system upgrades, and water audits.

Present status of the contract

Completed April 2017

Miami WorldCenter, Miami, FL

Name and address of client

Miami Worldcenter Group
700 NE 2nd Avenue
Miami, FL 33132
561.961.1807

The nature of the firm's contract

Spanning more than 20 acres, the Miami Worldcenter includes approximately 13 million square feet of retail, residential, office, and institutional uses. As proposed, the Center will create a vibrant, walkable pedestrian environment with a unique sense of place: a modern design statement driven by Miami's unique physical context, culture, and architectural heritage.

The owner's representative's name, addresses, and phone number

Ben Feldman, Director
700 NE 2nd Avenue
Miami, FL 33132
305.263.5212

Date contract started and ended

Start date: November 2013 (design); November 2015 (construction)
End date: December 2019 design; construction: ongoing

Scope or nature of contract

Spanning more than 20 acres, the Miami Worldcenter includes approximately 13 million square feet of retail, residential, office, and institutional uses. As proposed, the Center will create a vibrant, walkable pedestrian environment with a unique sense of place: a modern design statement driven by Miami's unique physical context, culture, and architectural heritage.

Kimley-Horn partnered with a private developer, the City of Miami, the Miami Community Redevelopment Agency (CRA), and other stakeholders in preparing typical sections for streetscapes for the City's largest proposed downtown project. Kimley-Horn also partnered with numerous utility companies to determine existing underground conditions. Once this information was obtained, we worked with multiple stakeholders to develop and evaluate various streetscape options for roads and avenues within the multi-block project limits.



The project surrounds the largest fiber hub in South Florida called the NAP Center. Large fiber trunk lines extend from the building structure to provide internet service and connections to entire continents such as South America, and for high-profile venues such as the American Airlines Arena, art museums, libraries, and security services in various locations of Miami. Kimley-Horn is coordinating and designing utility relocations and undergrounding to facilitate roadway vacations, aesthetic improvements to the area, and to accommodate a new streetscape design for the area. The utility providers we worked with on this project include: AT&T, FPL, Comcast, TCG Fiber, Level 3 Fiber, TECO Gas, Verizon Fiber, FiberLight, and MCI.

Present status of the contract

Ongoing

Stormwater Master Plan, Medley, FL

Name and address of client

Town of Medley
10776 NW South River Drive
Medley, FL 33178
305.889.1915

The nature of the firm's contract

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.

The owner's representative's name, addresses, phone number

Jorge Corzo, P.E., Town Engineer
10776 NW South River Drive
Medley, FL 33178
305.889.1915

Date contract started and ended

Start date: August 2016
End date: July 2017

Scope or nature of contract

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.

Present status of the contract

Completed July 2017



Nightingale Trail/La Puerta Way Underground Utilities Conversion Project, Palm Beach, FL

Name and address of client

Town of Palm Beach
951 Old Okeechobee Road, Suite A
West Palm Beach, FL 33401
561.833.8827

The nature of the firm's contract

Kimley-Horn is providing engineering services related to converting the existing overhead utilities to an underground location in the vicinity of La Puerta Way and Nightingale Trail in the Town of Palm Beach.

The owner's representative's name, addresses, phone number

Patricia Strayer, P.E., Town Engineer
915 Old Okeechobee Road, Suite A
West Palm Beach, FL 33401
561.838.5440

Date contract started and ended

Start date: July 2015
End date: 2017

Scope or nature of contract

Kimley-Horn is currently serving the Town to perform the undergrounding of overhead utilities for this neighborhood project on the North end of the Island. Kimley-Horn is designing the conduit and pullbox infrastructure for the electric, telephone, and cable utilities along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project is essentially an "island" of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines will be removed with the homes being served from utility infrastructure in the front street rights-of-way.

Present status of the contract

Completed 2017



Lake Towers Underground Utilities Conversion, Palm Beach, FL

Name and address of client

Town of Palm Beach
951 Old Okeechobee Road, Suite A
West Palm Beach, FL 33401
561.833.8827

The nature of the firm's contract

Undergrounding of overhead utilities

The owner's representative's name, addresses, phone number

Patricia Strayer, P.E., Town Engineer
915 Old Okeechobee Road, Suite A
West Palm Beach, FL 33401
561.838.5440

Date contract started and ended

Start date: November 2015
End date: May 2017

Scope or nature of contract

Kimley-Horn provided the undergrounding of overhead utilities for this project near Bradley Place and Wells Road. Kimley-Horn designed the conduit and pullbox infrastructure for the electric and cable utilities (telephone is already underground in this location) along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project is essentially an "island" of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines were removed with the homes and condominium being served from new underground utility infrastructure.



Present status of the contract

Completed May 2017

Tamarind Avenue Infrastructure Improvements, West Palm Beach, FL

Name and address of client

City of West Palm Beach
401 Clematis Street
West Palm Beach, FL 33401
561.822.2222

The nature of the firm's contract

Kimley-Horn was selected by the City of West Palm Beach to prepare a preliminary design report regarding infrastructure improvements along the Tamarind Avenue Corridor between Palm Beach Lakes Blvd. and 25th Street. The improvements to be studied included a new 30-inch water main to improve system flow and pressure to the north end of the City, new sanitary mains to reduce inflow and infiltration and repair damaged facilities, and stormwater system modeling to determine necessary improvements to alleviate system flooding that occurs during significant storm events.



Date contract started and ended

Start date: August 2012 (Preliminary Design Report); January 2013 (infrastructure improvements)
End date: September 2013 (Preliminary Design Report); June 2014 (infrastructure improvements)

The owner's representative's name, addresses, phone number

Glenn Semanisin, P.E., Senior Project Engineer
401 Clematis Street
West Palm Beach, FL 33401
561.822.2222

Scope or nature of contract

Kimley-Horn was selected by the City of West Palm Beach to prepare a preliminary design report regarding infrastructure improvements along the Tamarind Avenue corridor between Palm Beach Lakes Blvd. and 25th Street. The improvements to be studied included a new 30-inch water main to improve system flow and pressure to the north end of the City, new sanitary mains to reduce inflow and infiltration and repair damaged facilities, and stormwater system modeling to determine necessary improvements to alleviate system flooding that occurs during significant storm events. Kimley-Horn prepared a report that provided a conceptual water main alignment, new fire hydrant locations to increase fire protection in the surrounding neighborhood, recommended sanitary sewer improvements, and recommended stormwater system improvements to reduce area flooding.

Kimley-Horn also designed infrastructure improvements along the Tamarind Avenue corridor between Palm Beach Lakes Blvd. and 25th Street. The improvements included a new 30-inch water main to improve system flow and pressure to the north end of the City, new fire hydrants in the surrounding community to increase fire protection, new sanitary sewer gravity mains to reduce inflow and infiltration and repair damaged facilities, and stormwater system improvements to alleviate system flooding that occurs during significant storm events. The project was designed through an extremely tight urban corridor and coordinated closely with a future streetscape project for the same area.



Present status of the contract

September 2013 (Preliminary Design Report); June 2014 (infrastructure improvements)

Jupiter Inlet Colony Neighborhood Rehabilitation, Jupiter Inlet Colony, FL

Name and address of client

Jupiter Inlet Colony
50 Colony Road
Jupiter Inlet Colony, FL 33469

The nature of the firm's contract

To provide engineer of record services during construction for the Colony's Neighborhood Rehabilitation Project.

The owner's representative's name, addresses, phone number

Dr. Daniel J. Comerford III, Mayor
Jupiter Inlet Colony
50 Colony Road
Jupiter Inlet Colony, FL 33469
561.746.3787 (office)

Date contract started and ended

Start date: September 2016
End date: January 2018

Scope or nature of contract

Kimley-Horn is providing construction management/engineer of record services for the Jupiter Inlet Colony Neighborhood Rehabilitation. The project consists of a new gravity sewer system and lift station; replacement of existing cement asbestos potable water main; a new stormwater drainage system consisting of 5,500 linear feet of exfiltration trench; and roadway reconstruction. Total project cost is \$9.5M. This project is a joint project (developed through an Interlocal Agreement) between the Loxahatchee River District (sewer authority), the Village of Tequesta (water utility), and Jupiter Inlet Colony. Kimley-Horn obtained two grants from the FDEP and SFWMD totaling \$825,000, which will assist in offsetting the total assessment amount paid by the residents for these improvements.

The project consists of a new gravity sewer system and lift station; replacement of existing cement asbestos potable water main; a new stormwater drainage system consisting of 5,500 linear feet of exfiltration trench; and roadway reconstruction.

Present status of the contract

Project infrastructure is in place and testing of all components will be commencing in late July. Road construction/driveway restoration within the Colony is occurring and construction of the entrance road and turn lanes off of State Road A1A/Beach Road will commence in early August.

Capital Cascades Trail/FAMU Way, Tallahassee, FL

Name and address of client

Blueprint Intergovernmental Agency
315 S. Calhoun Street, Suite 450
Tallahassee, FL 32301
850.219.1060

The nature of the firm's contract

Kimley-Horn was selected to provide services relating to the design of this stormwater pollutant load and sediment abatement greenway, including effective community participation and consensus building; environmental evaluation, stormwater management, landscape, and park amenities that provide a unifying community concept; and greenway and trail connectivity improvements.

The owner's representative's name, addresses, and phone number

Charles Hargraves, P.E., Blueprint Manager
315 S. Calhoun Street, Suite 450
Tallahassee, FL 32301
850.219.1060

Date contract started and ended

Start date: March 2008
End date: November 2016

Scope or nature of contract

Kimley-Horn provided multidisciplinary services relating to the design of this greenway, including effective community participation and consensus building; environmental evaluation; stormwater management; landscape and park amenities that provide a unifying community concept; construction cost estimation; and greenway and trail connectivity improvements. This diverse project included 3,500 linear feet of box culvert (12' x 9' and 10' x 9'), a 5-acre walled stormwater management facility, 6,000 linear feet of water line improvements, 3,200 linear feet of 24-inch gravity sewer, 4,000 linear feet of 12-foot multi-use path,



a playground, and other passive hardscape recreational areas. This project was designed, permitted, and constructed in conjunction with the directly adjacent FAMU Way Roadway Project by the City of Tallahassee.

The project was vetted through numerous public charrettes and the Blueprint Citizen Advisory Committee and Technical Coordinating Committee to balance community needs and wants. The project corridor is located directly adjacent to Florida Agricultural & Mechanical University (FAMU). The FAMU and City of Tallahassee leadership teams were involved from the start-up, planning, layout, design, sequencing, and construction scheduling.

Major overhead transmission lines were protected/relocated as a part of this project. All overhead distribution lines were relocated underground, fiber, cable, and telephone line relocations were coordinated, and safety pedestals with 911 connectivity were designed along the multi-use trail. The project included major sanitary sewer utility relocations that corrected aging infrastructure and relocated utilities to align with improvements.

To ensure the success of this project, Kimley-Horn worked with Blueprint 2000 and the City of Tallahassee to accomplish these objectives:

- Extensive public outreach—listening, understanding, and incorporating neighborhood and other stakeholder desires
- Continuous internal and external communication
- Balancing of various project objectives to achieve win-win designs while always keeping permitability/constructability in mind
- Building on and refining stormwater quality/quantity models, which will guide selection of effective and cost-efficient system components
- Optimizing flood damage reduction and stormwater quality treatment with environmentally enhancing and aesthetic designs
- Investigating off-site storage opportunities and attenuating the FAMU Way extension project
- Long-term, low-cost maintenance through design
- Efficiency in every step of the process and cost-effective designs, recognizing that we are the stewards of the taxpayer's money and trust

Present status of the contract

Completed

Example Streetscape Projects

SR A1A Lane Reduction and Complete Streets Design for the Hollywood CRA, Hollywood, FL

Kimley-Horn team is serving the City of Hollywood to help reduce the number of travel lanes and incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The concept plans will include a reduction of speed, improving safety for vehicles, pedestrians, and bicyclists; wider sidewalks, buffered bicycle lanes, and designated loading zones; and improved street furniture, landscaping, and signage. The team will also provide traffic signal/roundabout analysis, driveway access review, emergency vehicle access review, meetings and coordination, and permitting services. Part of the project includes preparation of pilot plans/temporary implementation construction plans (to be permitted from FDOT) to allow the public to experience the lane reduction on a trial basis to test its effectiveness prior to making it permanent. This project is ongoing.

Town of Palm Beach Town Hall Square Streetscape and Infrastructure Improvements

Name and address of client

Town of Palm Beach
951 Old Okeechobee Road, Suite A
West Palm Beach, FL 33401
561.833.8827

The nature of the firm's contract

Kimley-Horn was retained by the Town of Palm Beach 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 and Phase II of the project included streetscape improvements.

The owner's representative's name, addresses, and phone number

Patricia Strayer, P.E., Town Engineer
951 Old Okeechobee Road, Suite A
West Palm Beach, FL 33401
561.838.5440

Date contract started and ended

Start date: March 2014
End date: January 2016

Scope or nature of contract

Kimley-Horn was selected for this historic fountain restoration and roadway beautification project within the heart of the Town's commercial corridor. This project required extensive coordination with the community, Landmark Commission members, and elected officials prior to ultimate approval and construction. Phase I of the project included the restoration of the Mizner Memorial Fountain that was originally constructed in 1929.

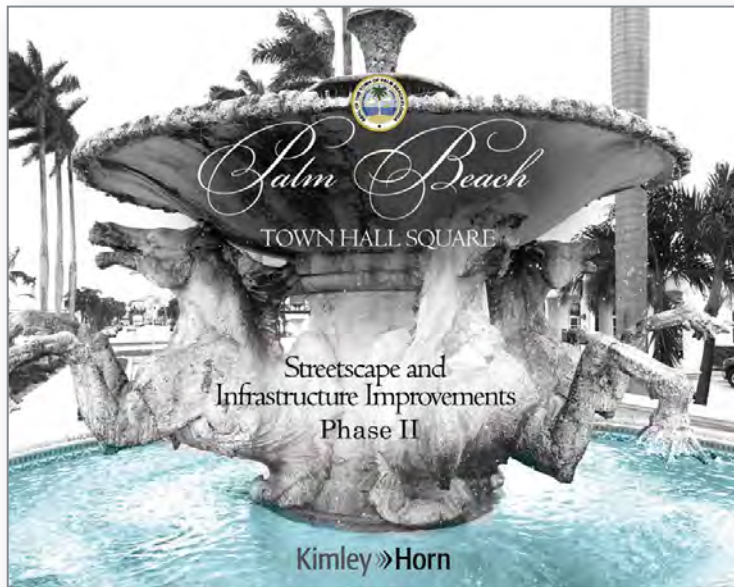
This part of the project was partially funded by the state through a historic preservation grant. Phase II of the project includes streetscape improvements consisting of landscaped nodes, decorative pedestrian crossings, updated urban park landscaping that creates a public gathering area in the median 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 will also be partially funded by the state through a historic preservation grant and through private citizen donations.

Present status of the contract

Completed January 2016

SR A1A Streetscape Improvements, Fort Lauderdale, FL

Kimley-Horn is providing full civil engineering services for the redevelopment of the existing streetscape of State Road A1A Northbound from the South Beach Parking to Alhambra Street along Fort Lauderdale Beach. The project consists of improving the sidewalk on both sides of the street outside of the curbing to provide modern and cohesive look, a definitive delineation between the pedestrian zone and the outdoor restaurant café zone, and improve pedestrian experience while walking along the beach and to its businesses. The trees and light poles are being consolidated near the back of curb to open up the pedestrian zone and provide a clear walking path. Kimley-Horn is the prime consultant on the project, with a team of local subconsultants, and is responsible for providing the civil engineering, permitting, coordination, and other services for the complete project. The project is ongoing.



15th Street Streetscape, West Palm Beach, FL

An existing east-west connecting street south of downtown West Palm Beach, 15th Street is designed with a full complement of Complete Streets elements, such as dedicated green bike lanes, improved accessibility with updated ramps and crosswalks, and new landscaping. The street's landscape features new bulb-out islands to help better define and organize parking as well as act as percolating bioswales that will take in stormwater from the existing gutter to water the Florida Friendly plantings. This project was constructed using federal transportation enhancement funds with matching funding provided by the City of West Palm Beach, administered under FDOT's Local Agency Program (LAP). This project was completed in 2015.



North Apopka Avenue Streetscape, Inverness, FL

Kimley-Horn provided streetscape improvements to North Apopka Avenue from Dampier Street to the Withlacoochee State Trail (approximately ¼ mile). The project scope consisted of landscape architectural concept plans, planting plans, specialized pavements, and site furnishings; median landscaping; full construction documents for landscape, hardscape, irrigation, and related construction details; and opinions of probable construction costs. Improvements focused on enhancing the pedestrian experience and maximizing opportunities to create an aesthetically-enhanced corridor. Kimley-Horn designed this project on a foot-by-foot

basis for this very old and built up segment. Utilities, property lines, drainage issues, and pedestrian access locations were complicated by the historic age of the buildings and commercial property boundaries. Kimley-Horn's attention to detail resulted in a set of plans and bidding specifications that enabled the contractor to know exactly how to build the project, and enabled the City to maintain tight contract control during construction. The project was completed in 2013.

CR 707/Dixie Highway Roadway Improvements and Streetscape Design, Martin County, FL

Kimley-Horn prepared construction documents to support the development of the Rio Town Center Streetscape. The existing two-lane rural roadway was visualized to be reconstructed into a two-lane, divided urban corridor with on-street parking, a community featured roundabout to accommodate a future art installation, 10-foot-wide sidewalks along either side, landscaping/hardscape improvements, and street lighting. The corridor will serve as the backbone of the Rio Town Center master development plan. Consulting services included construction document development, agency permitting, public involvement workshops, coordination with franchise utility operators to support undergrounding of overhead utilities, and post-design construction phase services. The project was completed in 2013.



Pennsylvania Avenue East Streetscape, Dunnellon, FL

In February 2012, the City of Dunnellon Bicycle/Pedestrian Blueway Master Plan was presented to the City of Dunnellon. The plan included a summary of five key project areas, including Pennsylvania Avenue East. The Pennsylvania Avenue East area was limited to the portions that lie east of the railroad crossing (near the SR 41 intersection) and continue eastward to the entrance of Blue Run Park. The concept involved construction of a bicycle lane along the South side of Pennsylvania Avenue to provide linkage between downtown Dunnellon and the bicycle trail system at the Blue Run Park trail head. This project used landscape bulb-outs on both sides of Pennsylvania Avenue to provide traffic calming and to beautify the entrance to the City. Since significant sidewalk and roadway modifications were made, the City wanted to include replacement of the existing 8-inch water main running along the north side of Pennsylvania Avenue. The project was completed in 2014.

Fern Street Streetscape and Complete Streets Design, West Palm Beach, FL

Kimley-Horn's design team provided civil engineering and landscape architectural design services for this project, which features Complete Street pedestrian and bicycle enhancements within portions of the Fern Street corridor between Tamarind Avenue and Flagler Drive in Downtown West Palm Beach. The design program includes curbside bioswale planters, pedestrian-level lighting, replacement of portions of existing sidewalk to remediate pedestrian hazards, restriping of the roadway to better organize parking, and add a combination of dedicated bike lane and shared-use bicycle markings (sharrows), and decorative crosswalks. This federally funded project was administered through FDOT's Local Agency Program (LAP). As part of the grant process, Kimley-Horn produced environmental Categorical Exclusion (CATEX) documentation and a subconsultant performed a Cultural Resource Assessment Survey (CRAS) to determine if any National Register eligible or listed historic resources would be affected by the improvements. Kimley-Horn also provided construction phase services. Estimated completion is December 2017.

NE 3rd Avenue Streetscape, Delray Beach, FL

The project included redevelopment of NE 3rd Avenue and the adjacent Artists Alley. In the study phase of the project, Kimley-Horn was tasked with developing the concept for the reconstruction and redevelopment of the street and the alley, which involved a number of stakeholder meetings and coordination with the arts community to develop a unified vision. Kimley-Horn assessed existing conditions and developed alternative concepts that were presented to the public. Kimley-Horn's planners, landscape architects, and engineers collaborated closely with City and CRA staff to develop presentations for the public meeting and address public comments. This project was completed in 2013.

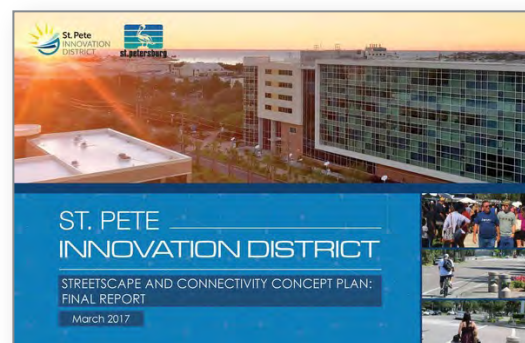


Polk Avenue Streetscape, Cape Canaveral, FL

Kimley-Horn provided master planning design services for streetscape improvements to a portion of Polk Avenue between North Atlantic Avenue/AIA (new City Hall site) and Ridgewood Avenue with an extension to the beach access. The streetscape project will act as an east/west pedestrian corridor to link the new City hall to the beach as well as a spine for new public park improvements like Whimsy and Inspiration Park. Multiple urban design solutions are being considered including creating "chicanes" or "Woonerfs" (the shifting the travel lanes as a traffic calming measure and enhancing adjacent pedestrian ways). The conceptual design services included concept design drawings and sketches for landscape improvements, crosswalk and sidewalk/hardscape treatments, bike lanes/shared use paths, pedestrian and street lighting, and public art opportunities. This project was completed in 2017.

Innovation District Streetscape and Connectivity Concept Plan, St. Petersburg, FL

The Streetscape and Connectivity Concept Plan builds on previous efforts and sets the stage for implementation of projects to help better connect the St. Pete Innovation District. This plan prioritizes multimodal and streetscape projects to help better connect the institutions within the District into a more cohesive community that enables and encourages patron interaction. What makes the St. Pete Innovation District unique is its connection to the water and the presence of marine and health science institutions. The plan implements a brand strategy and identifies opportunities to tie the District together to give the St. Pete Innovation District a sense of place. Most importantly, the plan creates an implementation strategy for projects for economic development opportunities.



The plan provides for District Definition through Gateways and specialty lighting at client-identified major vehicular and pedestrian entrances in to the District that reinforces the brand and establish that sense of place. Pole banners display logos for the several institutions in the District for awareness, recognition, and festivity. The Plan calls for art installations to promote the Greater St. Petersburg community heritage of art within the District and further enhance a sense of place. The client has identified priority locations for streetscape improvements include Complete Street strategies with vehicular lane reductions,

dedicated bike paths, as well as landscape and hardscape upgrades. Pedestrian crossings and safety improvements are a focus within the District to improve walkability and connection to the surrounding neighborhoods and nearby downtown. The project was completed in 2017.

Central Avenue Improvements, Naples, FL

Kimley-Horn provided streetscape, intersection design, lighting design, and multimodal improvements for Central Avenue between 8th Street and Riverside Circle for a distance of 0.5 mile. Detailed traffic modeling was utilized to fully assess laneage requirements and the resulting level of service from possible lane modifications. The goal was to provide a safe, balanced approach for all modes of travel through the corridor, including motor vehicles, bicycles, and pedestrians. Roadway improvements included milling and resurfacing, drainage upgrades to reduce flooding, utility upgrades to increase water main size and add reclaimed water service, landscaping improvements, and signalization upgrades. Kimley-Horn directed a public involvement program with local stakeholders and agency staff to obtain consensus from the community for the approved design concept. Permit coordination was required with FDOT and Collier County for pavement, drainage, and signalization enhancements.



As part of the Central Avenue improvements project, Kimley-Horn replaced aged and undersized AC piping on a 10-in water main. Our team also helped direct a public involvement program with local stakeholders and agency staff to obtain consensus from the community for the approved design concept. Permit coordination was required with FDOT and Collier County for drainage, pavement, and signalization enhancements at the intersections of Central Avenue with US 41 and Goodlette-Frank Road.

Subconsultant Projects

Brannon & Gillespie, LLC (B&G) Projects

Townwide Undergrounding of Utilities, Palm Beach, FL

Working with Kimley-Horn and with the Florida Power and Light Company and the Town of Palm Beach on 10-year town-wide utilities undergrounding project. Project responsibilities include electrical engineering and utilities acquisition.

Jupiter Island Undergrounding, Jupiter Island, FL

Brannon & Gillespie provided project management and engineering consulting services for the undergrounding of all overhead electric, telephone, and cable TV utilities within the Town. Having virtually eliminated outages on the Island, current activities focus on working with FPL to enhance the reliability of electric service provided to the Island via automated switching between off island feeder lines when feeder line interruptions occur off Island. The installation of two additional automated distribution switches will provide for the automatic switching between FPL main feeder lines should problems arise on the mainland. Having been originally budgeted at \$12.5 million, B&G brought the project in significantly under budget and on time. Construction is now complete.

B&G provided project management and engineering consulting services for the undergrounding of all overhead electric, telephone, and cable TV utilities within the Town.

Jupiter Inlet Colony Undergrounding, Jupiter Inlet Colony, FL

Brannon & Gillespie provided project management and engineering support services for a this project to convert all overhead electric, telephone, and cable TV utilities from overhead to underground. Contractors were utilized to install all FPL conduit, wires, and equipment. Conduit systems were also installed by the Town's contractor to accommodate new cable TV and telephone facilities. All construction is now complete.

Inlet Village Undergrounding (A1A Corridor), Jupiter, FL

Brannon & Gillespie engaged via a partnership contract for project engineering and consulting services as needed for the conversion of all overhead electric, telephone, and cable TV utilities (from overhead to underground) along State Road

A1A from U.S. Highway One to Jupiter Beach Road. B&G coordinated the gathering of requirements from the utilities and generating consolidated construction plans. The project is currently under construction.

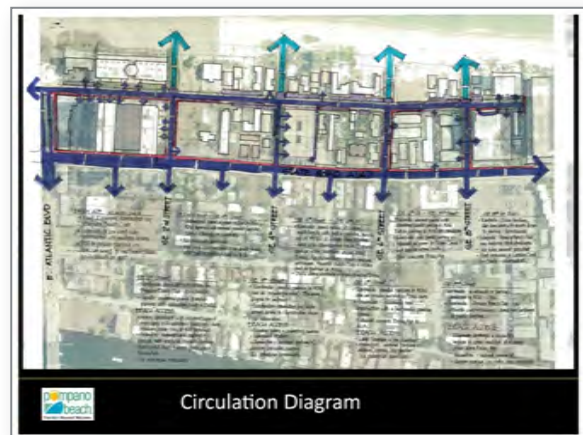
Hollywood Beach Undergrounding, Hollywood, FL

Hollywood is undergrounding the historic Hollywood Beach area in phases. Each phase consists of approximately 12 to 15 city blocks and includes undergrounding all overhead utilities, as well as comprehensive streetscape and landscape improvements. Brannon & Gillespie provided utility plan review and plan consolidation to improve constructability and reduce costs. Phase 1, the area east of SR A1A extending from Tyler Street north to Minnesota Street (12 blocks) is 100% complete. Phase 2, Oklahoma to New Mexico (15 blocks) is currently in the design phase.

Keith & Associates, Inc. Projects

Briny Avenue Streetscape and Utilities, Pompano Beach, FL

This project involved the reconstruction of East Atlantic Boulevard from A1A to Pompano Beach Boulevard/Briny Avenue, including wider sidewalks, revised parking configurations, and revised lanes. The intent of the investigation was to support hardening efforts for existing utilities while providing aesthetics improvements to support the area's revitalization efforts. Keith and Associates provided professional services for a design survey, as well as the designation and location of subsurface utilities along Briny Avenue from the south right-of-way line of Atlantic Boulevard to the south end of Briny Avenue. Also included are the side streets connecting Briny Avenue to State Road A1A within the above described corridor. The length of the project is approximately 4,000 linear feet. The road has 5 to 7 subsurface utilities depending on the area. The utilities located included the ones running parallel to the road and those crossing the road. Vertical locations of utilities were provided as requested. This project was completed in 2014.



A1A Overhead Utility Conversion, Pompano Beach, FL

The City of Pompano Beach is in the process of a major infrastructure improvement project to improve electric and communication utilities in the area of A1A from Terra Mar Drive to SE 2nd Street and from Nestor Street to the Hillsboro Inlet Bridge. This project involves hardening the overhead electrical lines along this corridor, which will lessen the risk of power outages during storms, while improving the aesthetics of the neighborhood. This project will be completed in phases and is a partnership between the City, FPL, AT&T, and Comcast.



Keith and Associates was responsible for subsurface utility engineering and surveying and mapping, providing utility verification to assist the design engineer with precise locations of existing utilities. This effort allowed the design team to minimize potential conflicts for the proposed undergrounding of existing overhead facilities. Keith and Associates also provided sketch and descriptions to dedicate areas for adjusted and/or newly installed appurtenances. The project is ongoing.

Tierra South Florida, Inc. (TSF) Projects

North Regional Waste Water Treatment Plant Expansion, Pompano Beach, FL

TSF performed a geotechnical engineering study for the expansion which included a filter structure expansion, new distribution pumps, and new filter feed pumps and strainers. Field work consisted of Standard Penetration Test (SPT) borings. Provided geotechnical report summarizing subsurface conditions and groundwater information. Also provided geotechnical

recommendations regarding site preparation with discussion of muck/organics found during site investigation, excavations, spread foundation, floor slab, pavement design, and lateral earth pressures (active, at-rest, and passive earth pressure) for below grade structures to be utilized by the design team.

Septage Receiving Facility Improvements, Broward County Water and Wastewater Services, Pompano Beach, FL

TSF performed a geotechnical engineering study. The containment structure was to house a septage receiving complete plant consisting of screening, aerated grit chamber, blowers, pumps and piping. Field work consisted of Standard Penetration Test (SPT) borings. Provided geotechnical recommendations for foundation and pavement design, soil parameters, and general site development.

Lift Station 21, Pompano Beach, FL

TSF performed geotechnical services for the construction of a submersible lift station with a hybrid in-line booster. Provided geotechnical discussion of subsurface and groundwater conditions. Also provided recommendations for shallow foundation design along with alternate recommendations (deep excavations, sheet piling, driven casing), and site clearing and fill/backfill placement.

Drainage Improvement - NW 21st Street and 18th Avenue, Pompano Beach, FL

TSF performed a geotechnical engineering study for the design of the proposed concrete footing to support the drainage pipe. Provided geotechnical recommendations which included information on allowable bearing pressures, settlement, and other pertinent criteria for the foundation design.

Waypoint Engineering and Equipment, LLC Projects

Townwide Undergrounding of Utilities, Palm Beach, FL

Working with Kimley-Horn and with the Florida Power and Light Company and the Town of Palm Beach on 10-year town-wide utilities undergrounding project. Project responsibilities include electrical facilities layout, utility easement acquisition from residential and commercial properties, property owner and condominium association liaison for utility layout and design, and contractor coordination during construction.

Florida Power and Light Distribution Engineering Services, Various Locations, FL

Waypoint has provided design and construction of high-voltage electrical distribution networks throughout South Florida. Involved in numerous projects that required the conversion of overhead electrical facilities to underground facilities. Involved in design and construction for Everglades National Park primary underground facilities installed after Hurricane Andrew destroyed all overhead powerlines in the National Park property. Provided design engineering for residential and commercial projects requiring high-voltage electrical feeders and switch cabinets, primary laterals, pad-mounted transformers, electrical vaults, splice boxes, and self-contained and CT metering. Designed secondary and service laterals for services up to 2000 amps. Electrical design and contractor coordination on residential underground projects include Ballen Isles Country Club, Frenchman's Creek, PGA National, Garden Oaks, Palm Beach Gardens, Royal Pine Estates, Elysium at the Arbors, and Royal Palm Beach.

BellSouth Telecommunications, Various Locations, FL

Provided design of outside plant facilities, including cable (copper, fiber), equipment (cabinets, cross-connects, terminals), facilities (hand holes, manholes, poles)—either manually or by using CAD Software per BellSouth standards. Engineered plans and prepared drawings for construction of new, and removal or rearrangement of existing, overhead or underground lines, cables, and conduits to obtain optimum and economical utilization of communications facilities. Selected routing of lines and equipment required for work projects. Initiated work authorization request and submitted request with drawings and documents to management for approval.

Joshua D. Horning, P.E., LEED AP

Exhibit "A"

Project Manager

Relevant Experience

Townwide Undergrounding of Utilities Program, Palm Beach, FL — Project engineer. Subsequent to a state of Florida mandate that FPL “storm harden” all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Utility Undergrounding, Sunny Isles Beach, FL — Currently working as the Project Manager for the City of Sunny Isles Beach in a \$6-million conversion of existing aerial utilities to underground facilities. The scope of this work involved right-of-way survey and existing utility research, utility design coordination and consolidated design plans for the conduit installation of existing utility providers including FPL, ATT, Comcast, Atlantic Broadband, and Hotwire as well as new conduit for future use by the City for internal communications. Project involves collaboration with FDOT Project manager who has a RRR project scheduled to begin immediately after our work is complete. This project will include a portion of their scope to avoid having to repeatedly restore existing roadway and sidewalk providing significant savings to the City and State. The project involves significant trenching along a busy stretch of Collins (A1A) in Sunny Isles Beach. Work will need to be completed at night considering the intensity of the pedestrian and vehicular traffic in the area. Working closely with City staff to facilitate easement agreements with local residents and businesses to allow for FPL equipment placement and energizing.

Utility Undergrounding, Fort Lauderdale, FL — Currently working as the Project Manager for the City of Fort Lauderdale in a \$7.5 million conversion of existing aerial utilities to underground facilities. The scope of this work involves existing utility research, utility design coordination and consolidated design plans for the conduit installation of existing utility providers including FPL, ATT and Comcast. Reconfiguration of residential roadway profiles results in a need to relocate existing City utilities including fire hydrants and sanitary sewer lift station equipment. Landscape reconstruction will also be a substantial part of this project. Project involves close collaboration with resident HOA representatives, City officials and FPL to facilitate equipment placement and energizing. The project involves significant trenching along a very narrow right away and in an extremely sensitive neighborhood. Public outreach and communication is a significant concern.

Victoria Park Small Water Main Improvements, Fort Lauderdale, FL — Currently working as the Project Manager for the City of Fort Lauderdale in a 53,000LF upgrade to their existing system. The scope of this work involves existing utility research, plan and profile sheet creation, permitting, specification preparation, bidding, and construction administration for the installation of new 6” water mains. Project involves



Special Qualifications

- Has 14 years of diverse engineering and project management experience
- Experienced Project Manager with a wide variety of municipal projects, utility infrastructure, restoration and rehabilitation, community parks, and facility improvements
- Also has extensive experience in project management of large and small land development

Professional Credentials

- Bachelor of Science, Civil Engineering, Purdue University
- Professional Engineer in Florida and California
- LEED AP, Building Design Construction
- FDEP Qualified Stormwater Management Inspector
- American Society of Civil Engineers
- Institute for Sustainable Infrastructure

Joshua D. Horning, P.E., LEED AP

Relevant Experience (continued)

close collaboration with City officials in the design review process and residents in the transfer of existing services to new facilities. The project is in the latter stages of design.

SW 8th Street Sanitary Sewer and Water Main Improvements, Fort Lauderdale, FL — Currently working as the Project Manager for the City of Fort Lauderdale in a 370LF upgrade to their existing system. The scope of this work involves existing utility research, plan and profile sheet creation, permitting, specification preparation, bidding, and construction administration for the installation of a new 6" water main and 8" sanitary sewer main. Project involves close collaboration with City officials in the design review process and residents in the transfer of existing services to new facilities. The project is in the early stages of construction.

Colorado Esplanade, Santa Monica, CA — Project manager for the complete redesign of the Colorado Avenue between 4th Street and Ocean Ave. Intent was to convert this section to one way vehicular traffic, widen pedestrian sidewalk facilities and create a two-direction bike path. This project was in preparation of the construction of the terminal station of the purple line which ran from downtown Los Angeles to Santa Monica at 4th Street. Project included roadway plan and profile design as well as 3,500LF of reuse water main relocation. Scope also included the reconstruction of a wastewater inverted syphon structure. FlowMaster was used to ensure that the existing drainage inlets were adequately sized to handle the increased flow from the project.

Wastewater Capacity Analysis and Master Plan, Lauderhill, FL — Served and project lead to analyze capacity and impacts to existing infrastructure and lift stations resulting from suspected inflow and infiltration. Services included modeling, analysis, and recommendations for proposed improvements. Using atlas, as-built information and visual inspection, developed a baseline model reflecting existing conditions. Upon evaluation, a Master Plan was prepared outlining design criteria, assumptions, baseline data, exhibits, and calculations with recommended alternatives.

Lift Station Rehabilitation, Lauderhill, FL — As a result of the preceding analysis several City lift stations were rehabilitated and several thousand feet of gravity main were lined. Managed the preparation of contract documents including plans and specifications, assisted in the letting of the project and bid award. Additionally, provided construction administration and certification to the City.

Little Haiti Soccer Park, Miami, FL — Currently working for the City of Miami in converting an existing natural turf soccer field to artificial turf as well as providing a Greenfields outdoor exercise park. This field is one of two soccer fields that make up the larger 11.7-acre park. The project will entail working with the FieldTurf representative to incorporate their artificial turf design into the overall drainage scheme of the park. Significant grading of the park is needed along with a modification to the existing drainage permit through Miami-Dade DERM. Responsibilities included the management of the preparation of contract documents including plans and specifications, permitting and construction administration.

TRG North Flagler Offsite Improvements, West Palm Beach, FL — Project engineer. As a condition of approval for this 19-acre Commercial Planned Marina Development (CMPD), the developer is required to construct several offsite infrastructure improvements including this water main upgrade consisting of 3,800LF of 12" water main along North Flagler Drive from 45th Street south to Metcalf and 40th Street, from Broadway to Flagler. The water main will be permitted at one time; however, installation will be phased to follow the development of the overall CMPD. The water main present significant challenges with many existing utilities to work around including major storm and sanitary sewer trunk lines. Sequencing of the installation and removal of the existing water main will be critical to keep adjacent residences, schools and businesses up and running. We are working very closely with City staff to ensure their specifications and code requirements are met. Also, included in this scope is the conversion of a portion of 40th Street from a one way to a two-way roadway.

Ballpark of The Palm Beaches City Park, West Palm Beach, FL — Project engineer. As a condition of approval for this Minor-League Ballpark, the City of West Palm Beach was granted land to build a City Park that included several pavilions, a splash pad, multipurpose athletic fields, and parking facilities. Our scope included the Paving, Grading and drainage design along with water, sewer, and dry utility design and coordination. The scope also included landscape, hardscape, and irrigation design components. Grading and drainage for the park had to be coordinated with the overall Ballpark site. Our scope also included permitting through South Florida Water Management as well as the City of West Palm Beach and Palm Beach County.

Kevin Schanen, P.E.

Exhibit "A"

Principal-in-Charge and QA/QC Manager

Relevant Experience

Town-wide Undergrounding Program, Palm Beach, FL — Project manager.

Subsequent to a state of Florida mandate that FPL “storm harden” all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, will convert 37 miles of overhead infrastructure to an underground location.

Nightingale Trail/La Puerta Way Underground Utilities Conversion Project, Palm Beach, FL — Project manager.

Kimley-Horn is currently serving the Town to perform the undergrounding of overhead utilities for this neighborhood project on the North end of the Island. Kimley-Horn is designing the conduit and pullbox infrastructure for the electric, telephone, and cable utilities along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project is essentially an “island” of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines will be removed with the homes being served from utility infrastructure in the front street rights-of-way. This project is expected to be bid in early 2016 with construction commencing in the summer of 2016.

Lake Towers Underground Utilities Conversion Project, Palm Beach, FL — Project

manager. Kimley-Horn is currently serving the Town to perform the undergrounding of overhead utilities for this project near Bradley Place and Wells Road. Kimley-Horn is designing the conduit and pullbox infrastructure for the electric and cable utilities (telephone is already underground in this location) along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project is essentially an “island” of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines will be removed with the homes and condominium being served from new underground utility infrastructure. This project is expected to be bid in early 2016 with construction commencing in the summer of 2016.

Worth Avenue Restoration Project, Palm Beach, FL — Project manager. Kimley-Horn served as site civil, traffic, and undergrounding engineer for this exciting project within the Town that was brought to life by a group of property owners along Worth Avenue who wanted to revitalize the area and bring it back to its former glory. Kimley-Horn was responsible for the design of all the civil, traffic, and undergrounding of overhead utilities on the project. We provided the detailed design of the electrical, telephone and cable utilities throughout the three-block corridor in the Mid-Town area. We partnered with Brannon & Gillespie and Shutts & Bowen to assist in the electrical and easement acquisition elements of the project. To date, this remains the most significant undergrounding effort ever successfully accomplished in the Mid-Town area. The project also included the construction of a new roadway section, replacement and modification



Special Qualifications

- Has 19 years of diverse engineering and project management experience
- Experienced Project Manager with a wide variety of municipal projects, utility infrastructure, structures, restoration and rehabilitation, community parks, streetscapes, and facility improvements
- 2011 Palm Beach County Engineer of the Year (FES Palm Beach Chapter)
- 2012 University of Florida Outstanding Young Alumni Award
- Recipient of a FICE Grand Award for Water Resources Design for the Palm Beach Par 3 Golf Course Renovation
- Recipient of a state and national APWA Project of the Year Award for the Historical Preservation of the Mizner Memorial Fountain in Palm Beach, Florida
- Florida Engineering Leadership Institute Graduate

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Florida
- Professional Engineer in Florida
- American Public Works Association
- Florida Engineering Society
- National Society of Professional Engineers
- Palm Beach County League of Cities (Associate Member)

Kevin Schanen, P.E.

Relevant Experience

of various other underground utilities, replacement of sidewalks with decorative tabby concrete, and the introduction of many landscaping and architectural elements throughout the corridor. The project was completed on-time and nearly \$1 million under its established budget.

Inlet Village Concept Master Plan – A1A Corridor, Jupiter, FL — Project manager. Kimley-Horn was selected by the Town of Jupiter to develop a master plan of improvements to enhance the bike/pedestrian experience along this corridor which is known as the Inlet Village District. A component of the master planning process included the undergrounding of approximately one mile of overhead electric, telephone, and cable facilities. The Kimley-Horn master plan guided the development of sidewalks, bike paths, streetscape design, utility undergrounding design, and stormwater design. Public meetings were held along with the development of an opinion of probable construction cost for the project.

Town Hall Square Streetscape and Infrastructure Improvements, Palm Beach, FL — Project manager 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.

Peruvian Avenue Streetscape, Palm Beach, FL — Project manager. Kimley-Horn provided 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.

Fiber Optic Trunk Line Project, Jupiter, FL — Project manager. This project involved the installation of a fiber optic line between the water treatment plan facility and the offsite high-service pumping facilities. This fiber optic connection provides more secure and reliable control of the pump systems over the previous radio system and allows for future security upgrades and access control at the pump station and wellfield sites.

Verizon Wireless MSC, Jupiter, FL — Project manager for the development of this 20,000 square foot, \$40+ million wireless communications switching center. This switch serves as one of two major switches for Verizon's south Florida market which spans from Vero to the Keys and west to Sanibel Island. Kimley-Horn served as the prime consultant and Kevin managed the site plan approval process, civil, structural, architectural, landscaping, mechanical, electrical, plumbing, and fire protection design, as well as the permitting, bidding, and construction phase services for the project. The design included significant underground utility design with redundant underground duct banks for power and fiber, hurricane hardening, battery and generator backup systems, dry chemical fire suppression, office spaces, and control rooms. Kimley-Horn has since assisted in expanding the facility twice since the original construction to meet the increasing voice and data needs of Verizon Wireless.

AT&T (fka Cingular) Wireless HJOX Switch Expansion, Miami, FL — Project manager for the expansion of this existing wireless communications switching center located in Miami, Florida. Kimley-Horn served as the prime consultant and Kevin managed the site plan approval process, civil, structural, architectural, landscaping, mechanical, electrical, plumbing, and fire protection design, as well as the permitting, bidding, and construction phase services for the project. The design included significant HVAC design, hurricane hardening, battery and generator backup systems, and dry chemical fire suppression. The design of a hurricane hardened structure to protect the outdoor condensing units from wind driven debris was also provided.

Cellular Telecommunication Sites, Statewide, FL — Served as engineer of record for hundreds of cellular telecommunication sites throughout Florida. Performed site design, managed approval and permitting processes as well as structural and electrical design, and provided construction phase support. Clients include Verizon Wireless, AT&T, Metro PCS, Nextel, Sprint, Voicestream, Crown Castle, Spectrasite, American Tower, Clearwire, Cingular, Bellsouth, T-Mobile and Metricom.

FP&L Rattlesnake Substation, Collier County, FL — Project engineer. Kimley-Horn was selected by FP&L to serve as the design engineer for this electrical substation facility in Collier County, FL. To serve the growing development electrical service needs of the area, Kimley-Horn performed all the site design and permitting in coordination with FPL's distribution engineers to develop this brand new facility. Construction is now complete and the station is currently in operation.

Barton Fye, P.E., CFM

Exhibit "A"

*Utility Undergrounding/Master Planning/Design/Construction
Administration, Water/Sewer/Stormwater Infrastructure*

Relevant Experience

Town-Wide Undergrounding of Utilities Program, Palm Beach, FL — Project engineer. Subsequent to a state of Florida mandate that FPL “storm harden” all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Engineering Services Related to Project Management and Engineering Services, North Miami Beach, FL — Program manager for distribution and collection. Kimley-Horn is providing program management services to NMB Water, a water and sewer utility owned by the City of North Miami Beach, which serves over 170,000 customers within several municipalities in Miami-Dade County. Kimley-Horn oversees the implementation and execution of the utility’s annual capital improvements program for treatment plant and distribution/collection assets, manages various design consultants working for the utility on capital improvement projects, and reports to the director regarding program implementation and progress.

Lakeview District Water and Sewer Master Plan, Medley, FL — Project manager. Kimley-Horn prepared a water and sewer master plan for the Lakeview Utility District, a special assessment district created to expand water and sewer distribution and collection facilities to a 600+ acre portion of the Town of Medley which is currently undeveloped. In addition, Kimley-Horn performed modeling of the existing water distribution system using WaterGEMS software to identify potential fire flow deficiencies within the existing distribution system and propose improvements to the system to address these deficiencies.

Stormwater Master Plan, Medley, FL — Project manager. 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.

NW 89th Avenue, NW 93rd Street, and NW 95th Street Roadway and Drainage, Medley, FL — Project manager for Roadway and drainage improvements for over 4,000 linear feet of roadway within the Flood Mitigation Area in the Town of Medley.



Special Qualifications

- Project manager with 11 years of experience in civil and environmental engineering design
- Proficient with Autodesk Civil 3D®, Inter-Connected Pond Routing (ICPR®) model, and Hydrologic Evaluation of Landfill Performance (HELP) model
- Expertise is in the design of stormwater management systems and his experience also includes paving, water, sewer, earthwork, and landfill design and evaluation
- 2012 Young Engineer of the Year Miami-Dade Branch American Society of Civil Engineers

Professional Credentials

- Master of Civil Engineering, Water Resources, Norwich University
- Bachelor of Science, Civil Engineering, University of Miami
- Professional Engineer in Florida
- Certified Floodplain Manager
- Environmental and Water Resources Institute (EWRI)

Barton Fye, P.E., CFM

Relevant Experience (continued)

The Town seeks to alleviate frequent flooding within the basin known as the Flood Mitigation Area as well as upgrade the existing roadway, which has deteriorated in part due to the absence of adequate stormwater management facilities. As one of the largest public infrastructure undertakings in the Town's history, this project is expected to alleviate flooding in the area and increase roadway capacity in the area. The combination of improvements in conjunction with ongoing private land development in the area is revitalizing the industrial Town of Medley.

Hialeah Park Water and Sewer Master Plan, Hialeah, FL — Project manager for the development of a water and sewer master plan for the proposed redevelopment of Hialeah Park. The proposed Hialeah Park development will consist of 200+ acres of residential, retail, and institutional facilities. Kimley-Horn developed proposed water and sewer facility expansion to serve the planned development in close coordination with the City of Hialeah Water and Sewer Department, which provides water and sewer distribution to the project, and the Miami-Dade Water and Sewer Department, which provides water and sewer treatment to the development.

Miami Worldcenter, Miami, FL — Project engineer. Kimley-Horn partnered with a private developer, the City of Miami, the Miami Community Redevelopment Agency (CRA), and other stakeholders in preparing typical sections for streetscapes for the City's largest proposed downtown project. Kimley-Horn also partnered with numerous utility companies to determine existing underground conditions. Once this information was obtained, we worked with multiple stakeholders to develop and evaluate various streetscape options for roads and avenues within the multi-block project limits.

Brickell City Centre, Miami, FL — Project engineer involved with team coordination efforts for this project. The proposed development includes 830 residential units, a 290-room hotel, and 906,463 square feet of office of which 95,117 square feet will serve as medical office. The development will also include 535,300 square feet of retail of which 142,000 square feet will serve as entertainment uses such as a nightclub, cinema, and a bowling alley. Kimley-Horn is providing civil engineering, traffic engineering, roadway design, transit engineering, and construction phase services for the site.

South Dade Landfill (SDLF) Cell 3 and Cell 5 Closure, Miami, FL — Project engineer. This \$9-million construction project consisted of the installation of a final cover system that contained both geosynthetic materials and soil layers on both the top and side slopes of this 40-acre area. The project included construction inspection services involving daily oversight and inspections to ensure permitting compliance. The preparation of daily field reports, weekly meetings, and constant communication with the Contractor and the County kept this project running smoothly. Our project team also provided timely review of the Contractor's requests for information (RFIs), project submittals, and pay requests. Close coordination with our construction quality assurance (CQA) subconsultant, Geosyntec made the conformance testing of the liner system installation a seamless component of the project.

North District Wastewater Treatment Plant (NDWWTP) Stormwater Basis of Design Report (BODR), Miami-Dade County, FL — Project engineer for the preparation of a BODR that will guide the design of the stormwater management system upgrades at the NDWWTP. The NDWWTP, owned by the Miami-Dade County Water and Sewer Department, sits on an 84 acre site, of which over 50 acres have been developed for treatment facilities. The existing stormwater management system is disjointed and does not sufficiently protect the facilities from stormwater and flood. The BODR studies the impacts of these deficiencies and recommends solutions that are cost-effective and provide real value over the life of the project. In addition, the long life of the intended system, critical nature of the facilities it impacts, and the highly-developed nature of the site the study must also account for the expected effects of sea level rise on the ultimate solution. Another consideration is that the system must incorporate with those improvements intended to protect the facility against the impacts of tidal flooding, which can often be at odds with stormwater management practices.

Flood Mitigation Area, South, Medley, FL — Project manager for roadway and drainage improvements for over 4,000 linear feet of roadway within the Flood Mitigation Area in the Town of Medley. The Town seeks to alleviate frequent flooding within the basin known as the Flood Mitigation Area as well as upgrade the existing roadway, which has deteriorated in part due to the absence of adequate stormwater management facilities. As one of the largest public infrastructure undertakings in the Town's history, this project is expected to alleviate flooding in the area and increase roadway capacity in the area. The combination of improvements in conjunction with ongoing private land development in the area is revitalizing the industrial Town of Medley.

Anjuli Panse, P.E.

*Utility Undergrounding/Master Planning/Design/Construction
Administration, Water/Sewer/Stormwater Infrastructure*



Relevant Experience

Town-Wide Undergrounding of Utilities Program, Palm Beach, FL — Project engineer. Subsequent to a state of Florida mandate that FPL “storm harden” all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Nightingale Trail/La Puerta Way Underground Utilities Conversion Project, Palm Beach, FL — Project engineer. Kimley-Horn is currently serving the Town to perform the undergrounding of overhead utilities for this neighborhood project on the north end of the island. Kimley-Horn is designing the conduit and pullbox infrastructure for the electric, telephone, and cable utilities along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project is essentially an “island” of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines will be removed with the homes being served from utility infrastructure in the front street rights-of-way. This project is expected to be bid in early 2016 with construction commencing in the summer of 2016.

Lake Towers Underground Utilities Conversion Project, Palm Beach, FL — Project engineer. Kimley-Horn is currently serving the Town to perform the undergrounding of overhead utilities for this project near Bradley Place and Wells Road. Kimley-Horn is designing the conduit and pullbox infrastructure for the electric and cable utilities (telephone is already underground in this location) along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project is essentially an “island” of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines will be removed with the homes and condominium being served from new underground utility infrastructure.

Town Hall Square Streetscape and Infrastructure Improvements, Palm Beach, FL 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

Special Qualifications

- Has 12 years experience
- Project experience includes streetscapes, off-system roadway design, surface water management system design, grading, stormwater collection system modeling and drainage calculations, surface water management and utility permitting, water and wastewater transmission main design, stormwater collection systems and pumping station design, and structural analysis and design.
- Proficient with AutoCAD and StormCAD modeling software
- Proficient with several structural engineering design programs, including STAAD, RC-Pier, Shoring Suite, and RetainPro

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Florida
- Professional Engineer in Florida
- American Society of Civil Engineers

Relevant Experience (continued)

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.

Fern Street Streetscape and Complete Streets Design, West Palm Beach, FL — Engineer of record for streetscape and roadway improvements. Kimley-Horn provided civil engineering and landscape architectural design services for this project, which features complete street pedestrian and bicycle enhancements within portions of the Fern Street corridor between Tamarind Avenue and Flagler Drive in Downtown West Palm Beach. The design program includes curbside bioswale planters, pedestrian-level lighting, replacement of portions of existing sidewalk to remediate pedestrian hazards, restriping of the roadway to better organize parking and add a combination of dedicated bike lane and shared-use bicycle markings (sharrows), and decorative crosswalks.

15th Street Streetscape, West Palm Beach, FL — Engineer-of-record. Kimley-Horn completed plans for streetscape improvements for 15th Street in West Palm Beach. This streetscape features a full complement of Complete Street elements, such as dedicated bike lanes, on street parking, improved accessibility, street furnishings, and new landscaping. The bike lanes will be emphasized with a green performance asphalt coating. The street also features new bulb-out islands to help better define and organize parking as well as act as percolating bioswales that will take in stormwater from the existing gutter.

Worth Avenue Restoration Project, Palm Beach, FL — Served as the project engineer for the design and construction phase of this roadway beautification project along one of the Town's most prestigious roadways. The project included the construction of a new roadway section, replacement and modification of various underground utilities, replacement of sidewalks with decorative tabby concrete, and the introduction of many landscaping and architectural elements throughout the corridor.

Northwood Railroad Corridor Phase 1A Utility Relocations (16-inch to 30-inch pipelines), West Palm Beach, FL Project engineer. Kimley-Horn provided the design of utility relocations associated with railway improvements in the Northwood industrial area in West Palm Beach. As part of a FDOT project to provide greater connectivity between the CSX and FEC railroads, Kimley-Horn was selected by the City of West Palm Beach to design multiple utility relocations for water, sewer, and stormwater infrastructure to meet strict vertical clearance requirements between the rails and the tops of the pipelines. This required rerouting multiple gravity sewers to new lift stations, adjacent sanitary basins, or lowering in place and rebuilding downstream infrastructure. It also involved lowering and rerouting multiple water and stormwater pipelines to avoid the new railroad infrastructure being proposed by the FDOT. The project included multiple jack and bore designs for casings ranging in size from 16 to 30 inches.

Tamarind Avenue Infrastructure Preliminary Design Report and Infrastructure Improvements, West Palm Beach, FL Served as lead project engineer for the design and construction phase of approximately 2,700 LF of 30-inch water main and 1,400 LF of 20-inch water main along Tamarind Avenue for the City of West Palm Beach. The project also includes the design of new sanitary mains and stormwater improvements throughout the corridor. Services also included a preliminary design report that included the evaluation of the existing sanitary system condition, evaluation of the existing utilities to determine a corridor for the new water main, and ADICPR drainage modeling of the Tamarind Avenue drainage system.

Miramar Way Roadway Design and ADA Enhancements, West Palm Beach, FL — Project manager for roadway design enhancements to Miramar Way between Olive Avenue and Washington Road subsequent to the City's in-house design services for utility improvements in the corridor. Services also included permitting, grading design, bid, and construction phase services. Handicap ramp design was included at the intersection of Miramar Way and Washington Road.

Federal Highway (US 1) Interim and Final Enhancements, Delray Beach, FL — Engineer-of-record for the utilities portion of a multi-phased project providing water main design services, relocation of piping for new drainage facilities, and design of water main crossings. This project included two miles of the US 1 one-way pair in each direction in Delray Beach. The City and 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.

Wilson Community Center, Pool, and Park Complex, Boynton Beach, FL — Served as project engineer and prepared SFWMD surface water management permit and FDEP utility permit. The project included upgrades to the existing aquatic facility, a new 14,000-square-foot community recreation center, two new outdoor basketball courts, a new playground area with a tot lot and restroom facilities, and an open, multi-purpose grassed playfield, as well as associated parking, drainage, and utilities.

Nick Botts, P.E.

Utility Undergrounding/Master Planning/Design/Construction Administration

Relevant Experience

Town-Wide Undergrounding of Utilities Program, Palm Beach, FL — Project engineer. Subsequent to a state of Florida mandate that FPL “storm harden” all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Nightingale Trail/La Puerta Way Underground Utilities Conversion Project, Palm Beach, FL — Project engineer. Kimley-Horn is currently serving the Town to perform the undergrounding of overhead utilities for this neighborhood project on the north end of the island. Kimley-Horn is designing the conduit and pullbox infrastructure for the electric, telephone, and cable utilities along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project is essentially an “island” of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines will be removed with the homes being served from utility infrastructure in the front street rights-of-way.

Lake Towers Underground Utilities Conversion Project, Palm Beach, FL — Project analyst for the undergrounding of overhead utilities for this project near Bradley Place and Wells Road. Kimley-Horn designed the conduit and pullbox infrastructure for the electric and cable utilities (telephone was already underground in this location) along with providing easement acquisition assistance, utility provider coordination, and infrastructure upgrade design services. Because this project was essentially an “island” of underground infrastructure, there was a need to coordinate the end conditions for the north and south limits of the project. Ultimately, the rear easement power lines were removed with the homes and condominium being served from new underground utility infrastructure.

Town Hall Square Streetscape and Infrastructure Improvements, Palm Beach, FL 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.



Special Qualifications

- Utilized GIS and Auto CAD to create drawings for Environmental Impact Analysis (EIA), Natural Features Inventory (NFI), and Environmental Resource Permits (ERPs)
- Performed laboratory test on soils, including Atterberg limits test
- Performed field work, including double ring infiltration tests and hand auger boring

Professional Credentials

- Bachelor of Science, Civil Engineering, Florida State University
- Bachelor of Science, Psychology, Louisiana State University
- Professional Engineer in Florida

Nick Botts, P.E.

Relevant Experience (continued)

Fern Street Streetscape and Complete Streets Design, West Palm Beach, FL — Project analyst. Kimley-Horn provided civil engineering and landscape architectural design services for this project, which features complete street pedestrian and bicycle enhancements within portions of the Fern Street corridor between Tamarind Avenue and Flagler Drive in Downtown West Palm Beach. The design program includes curbside bioswale planters, pedestrian-level lighting, replacement of portions of existing sidewalk to remediate pedestrian hazards, restriping of the roadway to better organize parking and add a combination of dedicated bike lane and shared-use bicycle markings (sharrows), and decorative crosswalks.

Tamarind Avenue Infrastructure Preliminary Design Report and Infrastructure Improvements, West Palm Beach, FL Project analyst for the design of approximately 2,700 linear feet of 30-inch water main and 1,400 linear feet of 20-inch water main along Tamarind Avenue for the City of West Palm Beach. Specifically involved with preparation of construction documents for utility, sanitary sewer, stormwater, and water main elements.

Northwood Railroad Corridor Phase 1A Utility Relocations (16-inch to 30-inch pipelines), West Palm Beach, FL Analyst. Kimley-Horn provided the design of utility relocations associated with railway improvements in the Northwood industrial area in West Palm Beach. As part of a FDOT project to provide greater connectivity between the CSX and FEC railroads, Kimley-Horn was selected by the City of West Palm Beach to design multiple utility relocations for water, sewer, and stormwater infrastructure to meet strict vertical clearance requirements between the rails and the tops of the pipelines. This required rerouting multiple gravity sewers to new lift stations, adjacent sanitary basins, or lowering in place and rebuilding downstream infrastructure. It also involved lowering and rerouting multiple water and stormwater pipelines to avoid the new railroad infrastructure being proposed by the FDOT. The project included multiple jack and bore designs for casings ranging in size from 16 to 30 inches.

Peruvian Avenue Streetscape, Palm Beach, FL — 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.

15th Street Streetscape, West Palm Beach, FL — Project analyst. Kimley-Horn is currently developing plans for streetscape improvements for 15th Street in West Palm Beach. This streetscape features a full complement of Complete Street elements, such as dedicated bike lanes, on street parking, improved accessibility, street furnishings, and new landscaping. The bike lanes will be emphasized with a green performance asphalt coating. The street also features new bulb-out islands to help better define and organize parking as well as act as percolating bioswales that will take in stormwater from the existing gutter.

Southern Boulevard Bridge Subaqueous 16-inch Water Main Replacement and Route Study, West Palm Beach, FL Project analyst. This project involves the design of a 16-inch HDPE pipeline under the Intracoastal Waterway between the City of West Palm Beach and the Town of Palm Beach. As a result of the Southern Blvd. Bridge reconstruction project, a 16-inch water main owned by the City of West Palm Beach needed to be relocated. Kimley-Horn provided an initial route study to identify potential pipeline routes and hydraulic modeling to determine that the pipe diameter could be reduced to lower construction costs. Kimley-Horn is now providing design, permitting, bidding, and construction phase services for the project. Permits are being obtained from the U.S. Army Corps of Engineers, Florida Department of Environmental Protection, and Florida Department of Transportation.

Jupiter Inlet Colony Neighborhood Rehabilitation, Jupiter Inlet Colony, FL — Project engineer. Kimley-Horn is providing construction management/engineer of record services for the Jupiter Inlet Colony Neighborhood Rehabilitation. The project consists of a new gravity sewer system and lift station; replacement of existing cement asbestos potable water main; a new stormwater drainage system consisting of 5,500 linear feet of exfiltration trench; and roadway reconstruction. This project is a joint project (developed through an Interlocal Agreement) between the Loxahatchee River District (sewer authority), the Village of Tequesta (water utility), and Jupiter Inlet Colony. Tom was instrumental in getting two grants from the FDEP and SFWMD totaling \$825,000, which will assist in offsetting the total assessment amount paid by the residents for these improvements.

Martin County Utilities Raw Water Main (RWM) and Pump Station (PS) - Martin Downs to Tropical Farms, Martin County, FL — Analyst. For this project, Kimley-Horn will prepare design drawings and specifications for the proposed in-line booster pump station and the proposed raw water main extension; prepare and submit permit applications and support documentation to FDEP, SFWMD, USACE, and FDOT/FTE agencies; provide bid services; provide limited construction administration phase services; prepare an operational protocol; and submit a certification of completion of the project to the appropriate agencies cited previously for the completed project.

Marwan Mufleh, P.E.

Exhibit "A"

Roadway and Traffic Engineering

Relevant Experience

MLK Jr. Boulevard Improvements, Pompano Beach, FL — Kimley-Horn was a subconsultant to Keith and Associates Inc. to provide professional engineering design and related services to the City of Pompano Beach and the Pompano Beach CRA for roadway improvements along Martin Luther King Jr. Boulevard (a.k.a. Hammondville Road) between NW 31st Avenue (Turnpike Ramp) and Powerline Rd. (S.R. 845) in accordance with the Phase II "Educational Corridor" improvements. 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.

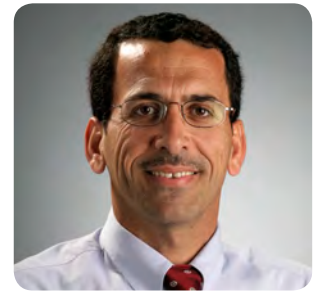
NW 6th Avenue, Pompano Beach, FL — Supervised project manager for the design and construction administration for the reconstruction of a two-lane urban collector. This project was highly visible and politically sensitive because it was intended to revitalize the depressed neighborhood along the corridor. 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, FL — Supervised 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 Lane Reduction and Complete Streets Design, Hollywood CRA — Project manager of the Kimley-Horn team serving the City of Hollywood to help reduce the roadway pavement width and incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The plans include a reduction of speed, improving safety for vehicles, pedestrians, and bicyclists; wider sidewalks, buffered bicycle lanes, and designated loading zones; and improved street furniture, landscaping, and signage. It also includes placement of the overhead utility lines under the sidewalk. The team provided traffic signal/roundabout analysis, driveway access review, emergency vehicle access review, meetings and coordination, and permitting services.

Wiles Road Design from Rock Island Road to US 441 (SR 7), Coral Springs, FL Project manager for the Kimley-Horn team selected by the Broward County Engineering Division to prepare complete contract plans for the reconstruction and widening of Wiles Road as a six-lane divided urban arterial from Rock Island Road to US 441 (SR 7). Broward County and FDOT are sharing in the cost of improvements which include drainage, lighting, landscaping, irrigation, bicycle lanes, signalization, utility coordination, and detailed traffic control plans.

Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA, Delray Beach, FL — Project manager. This multi-phased project included a study and conceptual design, temporary implementation of the design for a trial period and final design of the permanent improvements. This project included two miles of the US 1 one-way 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. Accordingly, Kimley-Horn was retained to evaluate potential changes to the lane configuration along southbound (NE/SE 5th Avenue) and northbound (NE/SE 6th Avenue) segments of US 1 from north of Linton Boulevard (SE 10th Street) to George Bush Boulevard. Kimley-Horn developed alternatives, forecasted



Special Qualifications

- Has 30 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, traffic calming, drainage design, pavement marking, and maintenance of traffic
- Served as project manager on numerous successful highway design and construction projects for Palm Beach, Broward County and various municipalities and CRAs

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Texas, Arlington
- Professional Engineer in Florida
- American Society of Civil Engineers
- American Society of Highway Engineers
- Florida Engineering Society

Marwan Mufleh, P.E.

Relevant Experience (continued)

future traffic volumes for review with the City and the CRA, and led several public involvement workshops at which detailed traffic engineering and design data were presented. 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.

Lake Worth Streetscape Design-Build (includes 10th Avenue North/6th Avenue South Enhancement Project), Lake Worth, FL — Provided traffic engineering services for this streetscape project in Lake Worth. The project extended from I-95 to Dixie Highway along 6th Avenue and 10th Avenue. This was part of an effort by the Community Redevelopment Agency (CRA) to improve major roads in their community. Kimley-Horn teamed with Burkhardt Construction, Inc., on this design/build project.

24th and 25th Street Improvements, West Palm Beach, FL — 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.

SR 823/Flamingo Road Milling/Resurfacing (3R), FDOT District Four — Project manager for the resurfacing, restoration and rehabilitation (3R) of Flamingo Road in Broward County. Our team provided resurfacing design services and address bicycle, pedestrian, and safety issues. Kimley-Horn also provided surveying services and utility coordination, design mast arms for five intersections, prepared plans for signing and pavement marking and signalization, and performed a lighting investigation.

Intersection Improvements Annual Services Contract, Palm Beach County, FL — Project manager. Kimley-Horn was selected in 2010 to serve Palm Beach County for their annual intersection services contract. Services the contract may cover include intersection design, alignment and right-of-way easements, intersection plateau, drainage and utilities, signals and ADA compliance, and permitting.

Belvedere Road from East of Jog Road to Military Trail, West Palm Beach, FL — Project manager. Kimley-Horn prepared a traffic study for the expansion of a four-lane facility to six lanes. We then provided services for an alignment and right-of-way study to add one additional lane and assess the impacts and costs associated with it.

Congress Avenue Extension from Northlake Boulevard to Alternate A1A, Palm Beach Gardens, FL — Project manager. Kimley-Horn was selected by Palm Beach County to provide professional engineering services to create a new alignment of Congress Avenue between Northlake Boulevard and Alternate A1A. The mission of the project is to alleviate the existing traffic congestion at the intersection of Northlake Boulevard and Alternate A1A. The new alignment will impact an existing water treatment plant, active and vacated mobile home communities, and businesses. Our team faces the challenge of developing a roadway geometry that will minimize these impacts while accommodating for varying area topography and the FEC railroad tracks adjacent to Alternate A1A.

Hagen Ranch Road, Palm Beach County, FL — Project manager for five miles of reconstruction of an urban arterial from two to four lanes including a three-span bridge. Also included replacement of eight single span bridges with pipe culverts. Responsibilities included supervising the design team and subconsultants.

Woolbright Road, Palm Beach County, FL — Supervised project manager and design team for the construction of one mile of a four-lane roadway. One segment of the project was a new corridor while the other segment involved widening from two to four lanes.

John McWilliams, P.E.

Exhibit "A"

Roadway and Traffic Engineering

Relevant Experience

SR 992/Coral Reef Drive Corridor Study, FDOT District Six — Project manager for a corridor-wide study of the SR 992 corridor, from the SR 821/Homestead Extension of Florida's Turnpike to US 1/SR 5/South Dixie Highway, performed as part of district-wide contract. Tasks included data collection, safety analysis, bicycle/pedestrian facility analysis, access management analysis, future traffic volume forecasting, transit assessment, future operational analysis, alternatives development, conceptual design, cost estimating, and intergovernmental coordination. Report recommended intersection improvements over corridor wide widening.

Districtwide Intermodal Systems Planning (ISP) Contract, FDOT District Six Project manager for task work-order based contract to provide on-call services to the District's Intermodal Systems Development office. Services included Strategic Intermodal Systems (SIS) support, interchange access reviews, corridor studies, bicycle/pedestrian program support, growth management and land development reviews, arterial analyses, special use lanes/TSM&O planning and evaluation, level of service calculation and reporting, GIS mapping, and data collection. Contract assignments have included intersection conceptual improvement studies, comprehensive land use plan reviews, and interchange justification/modification report reviews.

General On-Call Traffic Engineering Services, Fort Lauderdale, FL — Project engineer for general traffic engineering and transportation planning services as part of an on-call contract with the city. Kimley-Horn serves as an extension of the City of Fort Lauderdale staff reviewing traffic impact studies and parking analyses. Projects to date have included peer review of traffic impact and parking studies, site plan review, and representation at public hearings.

Brickell City Centre, Miami, FL — Serving as project engineer. Located at the core of the City's financial district, Brickell City Centre is a nine-acre mixed-use development—and one of the largest active projects in the City of Miami today. The proposed development includes 830 residential units, a 290-room hotel, and 906,463 square feet of office of which 95,117 square feet will serve as a medical office. The development will also include 535,300 square feet of retail of which 142,000 square feet will serve as entertainment uses such as a nightclub, cinema, and a bowling alley. Kimley-Horn is providing civil engineering, traffic engineering, roadway design, transit engineering, and construction phase services for the site.

PD&E Study for NE 203rd & NE 215th Street Intersection Improvements, Miami-Dade County, FDOT District Six — Serving as transportation engineer for a study of a potential full-grade separation at the FEC line crossings at NE 203rd and NE 215th streets to eliminate vehicle conflicts and enhance traffic operations. Tasks include design traffic analyses & documentation, grade separation analyses, environmental assessments, pedestrian routing analysis, and public involvement.

I-95 Express Lanes Lessons Learned Report, FDOT District Six — Project manager responsible for FHWA best practices report on the implementation of the 95 Express Managed Lanes project in Miami-Dade County. Work included 95 Express project team interviews, information compilation, and final reporting

I-95/Ives Dairy Road Interchange Study, FDOT District Six — Project engineer for an interchange operational study. Work included the traffic forecasting, field observations, traffic model calibration, development of short- and long-term improvements, and capacity analysis.



Special Qualifications

- Has 19 years of experience in traffic engineering and transportation planning experience, 17 of which have been in South Florida
- Expertise in traffic operations, transportation planning, and access management

Professional Credentials

- Bachelor of Science, Civil Engineering, Ohio Northern University
- Professional Engineer in Florida
- Institute of Transportation Engineers

John McWilliams, P.E.

Relevant Experience (continued)

US 27/SR 25 Okeechobee Road Action Plan, FDOT District Six — Served as deputy project manager for the Kimley-Horn team retained by FDOT District Six to evaluate alternatives and prepare an action plan for the Okeechobee Road corridor. Provided travel demand modeling services, GIS mapping, and evaluation of alternatives. Worked with multi-disciplinary team to develop short-, medium-, and long-term strategies for Okeechobee Road. FSUTMS was used as a tool to develop traffic growth rates for project traffic forecasting. GIS was used as a database during the data collection process and to create maps for the action plan report and presentation.

SR 710 Project Traffic Development and Operational Analyses, Palm Beach County, FDOT District Four — Project analyst for the traffic design and traffic operations memorandum. Work included traffic forecasting (AADT and TMC) growth rate analysis, 18-kip ESAL reports, and intersection/arterial capacity analyses.

US 1 Corridor Study, FDOT District Six, Marathon, FL — Project analyst for a comprehensive corridor study of US 1 within the City of Marathon, Florida. Work included access management, capacity analyses, pedestrian/bike facilities evaluation, right-of-way evaluation, crash compilation and analysis, and development of recommendations.

I-95 Express Lanes Phase 1A Monitoring Study, FDOT District Six — Project manager responsible for evaluation of Phase 1A of the 95 Express Managed Lanes project in Miami-Dade County. Efforts included analysis of travel time, travel speeds, level-of-service, peak period traffic distribution, vehicle classification, vehicle occupancy, and person throughput.

Districtwide Level of Service (LOS) Analysis, FDOT District Six — Project analyst for the districtwide LOS report. Work included the analysis (generalized and detailed) of 350 roadway segments using various FDOT planning software programs. Project included integration of results into GIS database.

Districtwide Safety Contract, FDOT District Four — As analyst, conducted qualitative assessments, safety and operational analyses, and corridor studies. Work included data collection, field assessments, capacity analyses, and the development of safety improvements.

Districtwide Safety Contract, FDOT District Six — Project analyst conducting qualitative assessments, signal warrant analyses, safety and operational studies, and pedestrian studies. Work included data collection, field assessments, capacity analyses, and corridor modeling.

SR 5/US 1/South Dixie Highway M-Path Crossings Evaluation Study – Phase 1, FDOT District Six, FL — Project manager for a corridor-wide study examining more than 30 intersection M-Path crossing locations in the Miami-Dade County in order to identify short-term and long-term improvements to address bicycle/pedestrian safety along the share-used path. Tasks included field inventories, sight distance analyses, turning radii analyses, crash analyses, field visits, and the development of recommendations. Recommendations included improvement signage/pavement markings, curb ramp reconstruction, signalization improvements, and other geometric improvements.

US 1/SR 5 Bicycle Master Plan, FDOT District Six, Miami-Dade County, FL — Project manager for the development of a bicycle facility master plan for a 17-mile portion of SR 5/US 1 from the Broward County line to Interstate 95. Our work included design standards review and development; review of design plans, right-of-way plans, and as-built drawings; segmentation, implementation, and approach methodology development; field reviews; conceptual plan development; alternative routes review; and cost estimating. The project also included public outreach with affected municipalities and Miami-Dade MPO's Bicycle and Pedestrian Advisory Committee.

I-395 Reconstruction from West of I-95 to McArthur Causeway, FDOT District Six & Private Developer — Served as traffic engineer for site/civil engineering services for the 14-acre Bayfront site that previously housed the Miami Herald newspaper. Kimley-Horn prepared 15% concept plans for the reconstruction of I-395 from west of I-95 to McArthur Causeway. This involved intricate analysis of multiple roadway alignment alternatives, improvements to the network of local roads, MOT, drainage analysis, bridge analysis, modifications to the existing interchange of I-395/SR 836/I-95, signing master plan, utility analysis and impacts to the PD&E and further re-evaluations. It also included extensive coordination with FDOT, MDX and stakeholders.

SR 7/US 441 at NW 29th Street, Lauderdale Lakes, FL — Design engineer of record for a mast arm conversion project as part of a retail redevelopment on the west side of SR 7/US 441. Responsibilities included signal/interconnect design and permitting, utility coordination, and construction phase services.

Leonte Almonte, P.E.

Exhibit "A"

Roadway and Traffic Engineering

Relevant Experience

I-595 Corridor Improvements (Zone 5) from West of Pine Island Road to West of University Drive, Broward County, FDOT District Four — Served as roadway design engineer. Provided maintenance of traffic plans, and horizontal and vertical design. Firm's responsibilities within this section included roadway, temporary traffic control, drainage, bridge structures, and lighting. This project includes the design-build, finance, operation, and maintenance of the I-595 corridor for I-75 to west of I-95, including two miles of Florida's Turnpike (a total of 10.5 miles).

Reconstruction of Krome Avenue from South of SW 296 Street to South of SW 232 Street, FDOT District Six — Deputy project manager for roadway, signalization, lighting, structures and landscape design. Also served as engineer of record for signing and pavement markings plans. 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%. The proposed work for this project includes reconstructing and widening Krome Avenue from a two-lane roadway to a four-lane roadway divided by a grassed median; replacing the C-103 Canal/Mowry Bridge; installing a drainage system; installing lighting; installing guardrail in the median; repaving and restriping the roadway; and modifying access to entrances to enhance safety along the corridor.

MDX Design Engineering for SR 874 (Don Shula Expressway) from Kendall Drive to SR 826, Miami, FL — Project engineer for this MDX project that proposed to add one lane in each direction on the existing SR 874 corridor from SW 88th Street (Kendall Drive) to south of SR 826 (Palmetto Expressway) located within Miami-Dade County. This corridor is a critical link between Florida's Turnpike and SR 826 (Palmetto Expressway). Prepared the pavement design, roadway cross sections and drainage structures cross sections. Also, reviewed existing cross slopes in order to provide proper cross slope correction methods, including special details and profiles. Assisted in the horizontal and vertical alignment design. Prepared MOT typical sections and assisted in the project's MOT design. The nature of the project changed and was re-procured as a Design-Build project. Kimley-Horn prepared 99% design plans and the subsequent design-build criteria package.

Mowry Drive Roadway Improvements, Homestead, FL — Served as project engineer for the new construction and widening of Mowry Drive (SW 320th Street) from SW 157th Avenue to SW 152nd Avenue. The existing roadway consisted of a one-lane paved road and was proposed to be converted to a four-lane divided urban section with bike lanes on both sides. The project included design and preparation of roadway, drainage, signing and marking, lighting, water main extension, landscaping and irrigation plans. As part of the project, environmental and drainage permits were obtained from SFWMD, RER and USACE. Served as construction supervisor during construction.

NW 5th Avenue Sidewalk Improvements from NW 112th Terrace to NW 115th Street, Miami Shores, FL — Served as project engineer for design and development of plans for new sidewalk construction as part of the Safe Routes to School (SRTS) program. The project included design of new sidewalk along both sides of NW 5th Avenue from NW 112th Terrace to NW 115th Street, utility coordination, and preparation and submittal of LAP documents to FDOT.

Okeechobee Road (SR 25) from East of NW 87 Avenue to NW 79 Avenue, Miami, FDOT District Six — Deputy project manager 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



Special Qualifications

- Has 14 years of roadway design experience
- Proficient in MicroStation, Geopak, Civil 3D, AutoCAD, EaglePoint, HCS+, CORSIM, Primavera P6, ArcGIS, AUTOTurn, Real Cost, and MS Project
- Alumni of the International Bridge, Toll and Turnpike Associations (IBTTA) Leadership Academy

Professional Credentials

- Master of Science, Transportation Engineering, Florida International University
- Bachelor of Science, Civil Engineering, Pontificia Universidad Catolica Madre y Maestra
- FDOT Advanced MOT Training
- Professional Engineer in Florida and Dominican Republic
- American Society of Civil Engineer
- Institute of Transportation Engineers
- Society of Hispanic Professional Engineers
- International Bridge, Tunnel and Turnpike Association – Leadership Academy, 2017

Leonte Almonte, P.E.

Relevant Experience (continued)

95th Street and Frontage Road; relocation of an existing BJ's 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.

Districtwide Traffic Operations 3R Safety Reviews, FDOT District Four — Project engineer for a contract that involves a holistic approach to traffic enhancements in concert with planned roadway construction projects to improve the safety of the District's roadways. Typical assignments include 3R safety reviews, intersection safety studies, lighting evaluations, and road safety audits.

Miami Lakes Downtown Phase I and II, and Lake Patricia Roadway/Drainage Improvement Projects, Miami Lakes, FL Served as project engineer. 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. Kimley-Horn also provided construction phase services to expedite the project, confirm the project was built in accordance with the design plans, and to minimize impacts to the community during construction.

Flood Mitigation Area South, Medley, FL — Project engineer and engineer of record for roadway and drainage improvements for over 4,000 linear feet of roadway within the Flood Mitigation Area in the Town of Medley. Responsible for development of roadway and drainage cross sections, roadway alignment, temporary drainage plans for an emergency trunk line, pre- and post-design water treatment calculations, exfiltration trench calculations and design, utility coordination, stormwater pollutions prevention plans (SWPPP), review of as-builts, and signing and pavement markings. The Town seeks to alleviate frequent flooding within the basin known as the Flood Mitigation Area as well as upgrade the existing roadway, which has deteriorated in part due to the absence of adequate stormwater management facilities. As one of the largest public infrastructure undertakings in the Town's history, this project is expected to alleviate flooding and increase roadway capacity in the area. The combination of improvements in conjunction with ongoing private land development in the area is revitalizing the industrial Town of Medley.

I-75 (SR 93) from Hernando County Line to CR 470, FDOT District Five — Design engineer assisting with various aspects of the roadway plans production, roadway design, summary of quantities, and computation book for this widening project in Sumter County. Kimley-Horn is preparing plans and permits for the widening of 12 miles of I-75 from north of the Hernando County line to south of CR 470. The project includes widening in the median of I-75 and reconstruction of the SR 48 interchange and the northbound off-ramp to SR 476B. In addition, the project includes off-site drainage ponds and right-of-way acquisition.

I-95 Interchanges at I-4 and US 92, FDOT District Five — Served as project engineer on the \$185-million, I-4 to I-95 system-to-system interchange project that also included reconstruction of the US 92/I-95 interchange. The project included construction of a collector distributor system to separate the mainline "through" traffic on I-95 with the various merging traffic movements associated with these closely spaced interchanges. The project also included the reconfiguration of both interchanges to meet current design criteria and improve existing operational deficiencies, as well as the replacement of 12 multi-lane bridges.

Lloyd Estates Streetscape and Drainage Improvements, Oakland Park, FL — Design engineer. Kimley-Horn provided professional engineering services for the design and construction of the Lloyd Estates Residential and Industrial Area Drainage Project. The project involves phased drainage and water distribution system improvements consisting of the construction of a stormwater collection system with water quality treatment measures and possible upgraded outfalls, as well as replacement of select existing water mains within the project area. The professional services include surveying, stormwater analysis, civil and electrical engineering design, landscaping and irrigation, permitting, coordinating with utility providers for adjustments and or relocations, preparing quantity calculations, and engineer's estimates of probable costs.

Erin Emmons, GISP

Exhibit "A"

GIS Mapping

Relevant Experience

Interactive Capital Improvements Program GIS Application, Miami, FL — Project manager. The City of Miami, Capital Improvement and Transportation Department contracted Kimley-Horn to develop an online, GIS-based application to maintain, display, and update the City's Capital Improvement Program (CIP) projects. The application allows staff to edit, monitor, and provide status reports of the CIP projects within the City. The application is hosted by the City and has both an internal (intranet, visible only to City staff) and external (internet, visible to the general public) interface version. An application user manual and staff training was also provided. The project was completed in Fall 2014. Kimley-Horn continues to provide support to the application.

Miami-Dade MPO GPC IV #31 Interactive Transportation Planning Tool, 2012, Miami, FL — Led the development of a GIS-based interactive planning application hosted on the Miami-Dade MPO website. The planning tool uses GIS mapping to display 2010 census data, American Community Survey data, and transportation model results. NAVTEQ data was used to generate county specific information to display vehicle, bicycle and pedestrian level of service information. The interactive tool displays data at the County level, municipal level, commission district boundary level, and traffic analysis districts.

North Bay Village Utility GIS Data Conversion, North Bay Village, FL — Served as GIS specialist for the work associated with digitizing the existing North Bay Village sanitary system as-builts in a GIS format required by the Miami-Dade County (MDC) Code, enforced by DERM, and specified by the Miami-Dade Water and Sewer Department ("MDWASD"). Work included the conversion of available electronic CAD files and existing as-builts provided by the Village of the North Bay Village sanitary sewer into GIS. Attribute information was updated using updated survey data and detailed as-builts.

On-Call GIS Services, Pinecrest, FL — Project manager. Kimley-Horn has been contracted by the Village of Pinecrest as an on-call GIS consultant. Kimley-Horn provides on-site training to staff and has assisted the Village in the development and organization of their interagency database. Recent project support has included stormwater utility updates, zoning and land use revisions, and website development coordination.

On-Call GIS Services, Okeechobee County, FL — Project manager. Kimley-Horn has been Okeechobee County's on-call planning and engineering consultant for over 10 years and has provided GIS on-call support for the last five. Kimley-Horn provides on-site training to County staff and has assisted the County in the development and organization of their interagency database. Recent project support has included zoning and land use updates, website development coordination, County Commission and School Board redistricting.

10-Year Water Treatment Master Plan, Delray Beach, FL — Planner/GIS analyst. Kimley-Horn was engaged by the City of Delray Beach to develop a 10-year water treatment master plan. We developed a 20-year linear population projection model using assembled data to meet the needs of the plan update and identify projects for the City and its service area during this growth period. Kimley-Horn prepared the water treatment master plan to recommend facilities, treatment process, treatment capacities, facility locations, planning level budget estimates, and construction timing.



Special Qualifications

- Has 12 years of experience in long-range community planning, with a specialty focus in GIS and database development
- Project manager for the development and implementation of web and mobile, GIS based interactive applications
- Experience in community asset and infrastructure inventories, capital project planning, socioeconomic assessments, market feasibility assessments, site selection and planning, including GIS administration, hazards planning, and support
- Project manager for state, county and, citywide multimodal transportation plans involving: the collection and assessment of crash data; the collection of bicycle, pedestrian, and transit facility information for the calculation of level of service; and development of short- and long-term improvements

Professional Credentials

- Bachelor of Science, Urban and Regional Planning, Florida Atlantic University
- GIS Professional (GISP)
- Graduate Certificate in Geographic Information Science (GIS), University of West Florida
- American Planning Association
- Women's Transportation Seminar
- Florida Parking Association

Erin Emmons, GISP

Relevant Experience (continued)

Metromover System Expansion Study, Miami, FL — Served as GIS specialist for a study to assess the feasibility of expanding the Metromover Automated People Mover (APM) System to connect the underserved markets while maintaining an efficient operation. During this study, viable options for system expansion were conceptualized and evaluated to provide greater system accessibility to Metromover users and improve system efficiency within Downtown Miami, Brickell, and the Arts/Entertainment areas. Major elements of the study included data collection, passenger survey, Metromover Expansion Master Plan, and identification of Preferred Short-Term Concept. Estimated capital costs and operations and maintenance (O&M) costs were developed along with a high-level implementation plan and schedule.

Light Rail/Modern Streetcar P3 Program Management, Miami Beach, FL — GIS specialist assisting with data collection and development for an assessment of existing conditions along the corridor. Assessment is needed for the preparation of preliminary design plans for the 4-mile double-tracking for a light rail transit system circulating through the Art Deco District of Miami Beach and providing connectivity between South Beach hotels and the Miami Beach Convention Center. Kimley-Horn is serving as the prime consultant overseeing the project through development, conceptual engineering, environmental impact analysis, and procurement of a P3 developer that will design, build, operate, maintain, and finance the project.

Bicycle and Pedestrian (Bike/Ped) Mobility Plan, Miami Gardens, FL — Project analyst. Kimley-Horn prepared a bicycle and pedestrian mobility plan for the City of Miami Gardens. The project included recommendations for short- and long-term mobility improvements based on the literature review, transportation mobility analysis, identification of goals and objects, and input from the Steering Committee. We analyzed existing transportation mobility conditions and community features in Miami Gardens through the use of geographic information systems (GIS) and prepared a series of maps that illustrate the background conditions for improving the City's bicycle and pedestrian mobility. The Kimley-Horn team used the methodologies established in the 2009 FDOT Quality/Level of Service Handbook to assess the bicycle and pedestrian level of service of the major roadways with the City and mapped the results with GIS.

Statewide Bicycle/Pedestrian Facilities Study, FDOT Central Office of Policy Planning, Statewide, FL — Analyst on the Kimley-Horn team that conducted an assessment of the status of bicycle and pedestrian facilities on SHS and SIS roadways across the state and putting the information in a geographic information systems (GIS) database. Working with the FDOT Central Office, Kimley-Horn developed a report detailing a series of recommendations for improvements that is provided to the state legislature and the governor.

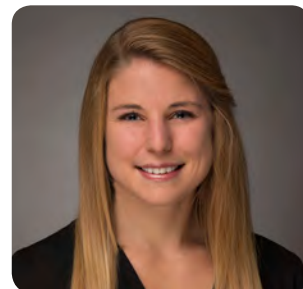
2035 Martin/St. Lucie Regional Long Range Transportation Plan (RLRTP), Martin and St. Lucie Counties, FL — Analyst for the Kimley-Horn team that served as the technical consultant to the Treasure Coast Regional Planning Council (TCRPC) for preparation of the 2035 Martin-St. Lucie LRTP. Team responsibilities included developing socioeconomic data, travel demand modeling, Needs Plan development, financial resources analysis, developing the Cost Feasible Plan (CFP), developing the 2035 Transit Network, and developing the 2035 Pedestrian, Bicycle, and Greenways Network.

Parking Management Study, Lakeland, FL — Project manager of the Kimley-Horn team selected by the City of Lakeland to create a plan focused on the assessment of the existing parking supply and demand within downtown Lakeland during the mid-day peak hour to identify potential opportunities for redevelopment or repurposing of existing land uses to accommodate parking demand needs for future development. Land use and parking buildout scenarios were mapped and tested using the Kimley-Horn developed GIS based Park+ software. Parking enforcement procedures and best management practices were also reviewed and incorporated into the implementation plan. The implementation plan provided recommendations on possible parking reallocation options and potential sites for the construction of a new parking garage.

Districtwide Systems Planning, FDOT District Three — Serving as the GIS analyst on the Kimley-Horn team that has provided planning services for District Three office since the mid-1990s. Since our most recent contract renewal in mid-2008, our team has been tasked with the SR 75 Action Plan Update in Bay County; the SR 85 Action Plan in Okaloosa County; SR 85 Access Management Study in Okaloosa County and the City of Crestview; and the SR 95 (US 29) Action Plan in Escambia County.

Kaitlin Dombrowski, E.I.

GIS Mapping, Electrical Engineering/Easement Acquisition



Relevant Experience

Town-Wide Undergrounding of Utilities Program, Palm Beach, FL — Project analyst. Subsequent to a state of Florida mandate that FPL “storm harden” all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Town Hall Square Streetscape and Infrastructure Improvements, Palm Beach, FL 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.

WTP #3 Membrane Replacement Pilot Study, Palm Beach County, FL — Intern. This project is part of Kimley-Horn’s general water treatment plant engineering services contract. Kimley-Horn was retained by Palm Beach County Water Utilities Department to conduct a pilot study comparing three different membranes for Water Treatment Plant No. 3. The membrane comparison is for pressure, flux, fouling characteristics, and the ability to clean the membrane elements. The pilot study will also consider post permeate mineralization and use of Floridan Aquifer water to supplement the plants raw water supply. Two phases of pilot testing were conducted and reports with recommendations were submitted.

WTP #11 Finish Water Quality Evaluation and Corrosion Study, Palm Beach County, FL — Intern. This project is part of Kimley-Horn’s general water treatment plant engineering services contract. Kimley-Horn was retained by Palm Beach County Water Utilities Department to evaluate water quality in the distribution system, coordinate and conduct a coupon corrosion study and prepare a summary report for the Lake Region Water Treatment Plant. The study includes collecting and reviewing water quality data; conducting a disinfection by-product evaluation; testing coupon corrosion units; conducting a corrosion study; and preparing a corrosion report.

Special Qualifications

- Two years of experience serving a wide variety of clients on water resources projects involving water mains, pump stations, water treatment plants, underwater/dock assessments, and other utility design projects
- Technical source for environmental and water-related issues
- Software experience includes ArcMAP (GIS) and AutoCAD

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Florida
- Master of Engineering, Environmental Engineering, University of Florida
- Engineering Intern in Florida

Kaitlin Dombrowski, E.I.

Relevant Experience (continued)

Lead and Copper Corrosion Study WTP 2,3,8,9, Palm Beach County, FL — Intern. This project is part of Kimley-Horn's general water treatment plant engineering services contract. Kimley-Horn was retained by Palm Beach County Water Utilities Department to conduct a lead and copper corrosion study for Water Treatment Plants #2, #3, #8, #9, and #11. The results of this study are intended to provide a baseline for future plant improvements for water quality.

Palm Beach County Water Treatment Plants (WTP) No. 3 and No. 9 Wellfield Surficial Well Testing, West Palm Beach, FL — Project analyst for the Kimley-Horn team that is provided professional engineering services for the wellfield condition assessment of WTP No. 8 in Palm Beach County. Tasks included wellfield testing and evaluation, pump/motor evaluation, and wellfield condition assessment report.

D-4 and D-10 Stormwater Pump Station (SWPS) Construction, Palm Beach, FL — Project analyst. The Town of Palm Beach selected Kimley-Horn to design improvements to both the D-4 and D-10 Stormwater Pump Stations (SWPS). Kimley-Horn performed design, permitting, and construction phase services for the two projects. The Town of Palm Beach utilized the construction management at risk project delivery method where both stations were constructed simultaneously.

10-Year Water Treatment Master Plan, Delray Beach, FL — Project analyst. Kimley-Horn was engaged by the City of Delray Beach to develop a 10-year water treatment master plan. We developed a 20-year linear population projection model using assembled data to meet the needs of the plan update and identify projects for the City and its service area during this growth period. Kimley-Horn prepared the water treatment master plan to recommend facilities, treatment process, treatment capacities, facility locations, planning level budget estimates, and construction timing.

Jupiter Reverse Osmosis (RO) Bank II Membrane Replacement, Jupiter, FL — Project analyst. Kimley-Horn prepared specifications to receive competitive bids for replacement membranes, membrane supply, and installation separate contracts for Bank II reverse osmosis (RO) trains and assisted the Town through the process of bidding and subsequent rebidding of the contracts. These evaluations included projected short- and long-term membrane performance, as well as life cycle costs. Kimley-Horn evaluated performance of the initial set of membranes installed which were not meeting requirements of the contract documents. These membranes were replaced by the membrane manufacturer and their performance closely examined to confirm that they met the requirements. This new generation of membranes performed adequately to be installed in all four RO trains. This project included refurbishing RO Bank I vessel end clamps, cleaning Bank I membranes in place, replacing all grooved couplings in the RO plant, and close inspection followed by replacement of internal vessel components in Bank II.

Jonathan Haigh, PLA, ASLA

Exhibit "A"

Landscape Architecture and Streetscape

Relevant Experience

15th Street Streetscape, West Palm Beach, FL — Project manager and landscape architect. Kimley-Horn developed plans for streetscape improvements for 15th Street in West Palm Beach. This streetscape features a full complement of Complete Streets elements, such as dedicated bike lanes, on street parking, improved accessibility, street furnishings, and new landscaping. The bike lanes will be emphasized with a green performance asphalt coating. The street also features new bulb-out islands to help better define and organize parking as well as act as percolating bioswales that will take in stormwater from the existing gutter.

Fern Street Streetscape and Complete Streets Design, West Palm Beach, FL Project manager and landscape architect. civil engineering and landscape architectural design services for this project, which features complete street pedestrian and bicycle enhancements within portions of the Fern Street corridor between Tamarind Avenue and Flagler Drive in Downtown West Palm Beach. The design program includes curbside bioswale planters, pedestrian-level lighting, replacement of portions of existing sidewalk to remediate pedestrian hazards, restriping of the roadway to better organize parking and add a combination of dedicated bike lane and shared-use bicycle markings (sharrows), and decorative crosswalks.

West Clematis Streetscape, West Palm Beach, FL — Project manager and landscape architect. Kimley-Horn provided streetscaping services for this LAP project. It included the addition of a landscaped median, shade trees in tree grates, new sidewalks, and site furnishings for West Clematis Street. The addition of a median to this one-block section between Tamarind Avenue and Sapodilla Avenue acts as a traffic calming measure while also providing room for additional shade trees and providing pedestrians with a comfortable walk to and from the adjacent Tri-Rail station.

Quadrille Boulevard Streetscape Improvements, West Palm Beach, FL — Project manager and landscape architect. The City of West Palm Beach tasked Kimley-Horn to provide engineering and landscape architectural design services to implement streetscape improvements for Quadrille Boulevard from Okeechobee Boulevard to Datura Street. Improvements included new sidewalks along the west side of Quadrille, street trees, landscaping, site furnishings, irrigation, street lighting, and decorative crosswalks. Landscaping for the corridor features a low-water use perennial peanut groundcover in lieu of turf grasses and large Live Oak shade trees that will overhang the sidewalk and provide shade to pedestrians. The project was funded with a Metropolitan Planning Organization grant administered by FDOT under the Local Agency Program (LAP).

Tamarind Avenue Streetscape, West Palm Beach, FL — Project manager and landscape architect. Kimley-Horn worked with the City of West Palm Beach to perform streetscape design improvements to the Tamarind Avenue corridor between Palm Beach Lakes Boulevard and 25th Street that included landscape islands, new street trees and plantings, irrigation, and decorative crosswalks and intersection treatments. The intersection treatments included a baseball-themed intersection design that encompasses the entire 20th Street intersection as a tribute to the days when Hank Aaron, Jackie Robinson, and Satchel Paige played baseball in this neighborhood a half-century ago. The project design is complete and construction is expected to begin later this year.

24th and 25th Street Improvements, West Palm Beach, FL — Landscape architect 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-



Special Qualifications

- Has 22 years of experience as a practicing professional landscape architect
- Skilled designer with streetscape and roadway-related project experience throughout the South Florida for various municipalities, FDOT, and Florida's Turnpike Enterprise.
- Directed the preparation of numerous streetscape-related construction drawings, detailing, and specifications.
- Contributed, managed, and/or produced three recent "road diet" projects in Palm Beach and Broward Counties

Professional Credentials

- Bachelor of Landscape Architecture, Landscape Architecture, University of Arkansas
- FDOT Landscaping-Outdoor Advertising Training
- Professional Landscape Architect in Florida
- American Society of Landscape Architects (Past President)
- Florida Recreation and Parks Association

Jonathan Haigh, PLA, ASLA

Relevant Experience (continued)

street parallel parking on both sides, thus creating a main street through the District. 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.

SR A1A Streetscape Improvements, Fort Lauderdale, FL — Landscape architect. Kimley-Horn is providing full civil engineering services for the redevelopment of the existing streetscape of State Road A1A Northbound from the South Beach Parking to Alhambra Street along Fort Lauderdale Beach. The project consists of improving the sidewalk on both sides of the street outside of the curbing in order to provide modern and cohesive look, a definitive delineation between the pedestrian zone and the outdoor restaurant café zone, and improve pedestrian experience while walking along the beach and to its businesses. The trees and light poles are being consolidated near the back of curb to open up the pedestrian zone and provide a clear walking path. Kimley-Horn is the prime consultant on the project, with a team of local subconsultants, and is responsible for providing the civil engineering, permitting, coordination, and other services for the complete project.

Lloyd Estates Streetscape and Drainage Improvements, Oakland Park, FL — Landscape architect for the Kimley-Horn team providing the landscape architectural design of streetscape improvements for the Lloyd Estates Residential and Industrial Area Drainage Project. The project comprised of residential streetscape enhancements with trees, palms, new turf, and shrubs in the medians and larger islands. We overcame design challenges in placing and selecting plant material under overhead utilities and providing clear sight and offset clearances from numerous driveways and intersections. Also designed a new irrigation system with new well and pump station, as well as paver sidewalks and crosswalk enhancements.

10th Avenue North/6th Avenue South Roadway Enhancement Project, Lake Worth, FL — Landscape architect for construction phase. Kimley-Horn developed a series of streetscape beautification guidelines, as well as private sector setback and building massing guidelines for the two primary east/west corridors connecting downtown Lake Worth to I-95. The project consisted of more than 8 miles of streetscape design guidelines, including landscape material, decorative lighting, street furniture, hardscape palette gateway features, intersection layouts, and special signage. The blocks abutting the roadways were studied to provide appropriate setbacks to maximize pedestrian usage along the corridor. Construction for 6th Avenue South was completed in December 2009, 10th Avenue North was completed in April of 2010.

Palmetto Park Road Improvements and Downtown Boca Raton Pedestrian Promenade, Boca Raton, FL — Landscape architect. For this retail district through the downtown area, Kimley-Horn provided full roadway and streetscape design and landscape architectural design to create a pedestrian friendly downtown with emphasis on a promenade connecting Plaza Real with Mizner Park. Intersections were redesigned to reduce pavement crossing width, minimize turn lanes, emphasize pedestrian crossings and modify signal timing to improve the pedestrian and downtown environment. Special emphasis was placed on providing an inviting pedestrian experience along retail businesses and providing on-street parking. Improvements include brick paved intersections, introduction of curbless streets along NE 1st Avenue, reconstruction of Boca Raton Road with an inverted crown roadway with wider sidewalks and on-street parking. Curbless streets were introduced to enable their use for special events when streets can be closed for fair events. Landscape and hardscape improvements include planter islands and wide brick paver sidewalks on both sides of the roadways. Improvements along Palmetto Park Road include construction of wider brick paver sidewalks, raised brick paver intersections, lighted bollards, and new decorative street lighting.

Seacrest Boulevard Roadway Improvements, Boynton Beach, FL — Landscape architect. This project includes the redevelopment of Seacrest Boulevard from the Boynton Canal to Boynton Beach Boulevard. Our team provided streetscape design, permitting procurement and creation of construction documents for the Community Redevelopment Association (CRA) of Boynton Beach, as well as coordination with the CRA, Palm Beach County Streetscape Division and the City of Boynton Beach. Coordination with the Kimley-Horn roadway team, civil engineer and lighting engineer. To beautify this blighted part of Seacrest Boulevard that currently has no trees within the public right-of-way, special attention was given by incorporating canopy and palm trees, a new sidewalk design, landscaped medians, decorative crosswalks, and street lighting.

30% Design-Build Documents and Bid Package for Pompano Beach Tri-Rail Station and East Lot Park-n-Ride Improvements, Pompano Beach, FL — Landscape architect on the Kimley-Horn team that assembled a design-build criteria package for the renovation of an existing Tri-Rail station. Services included the preparation of technical specifications, general and special terms and conditions, cost estimating, 30 percent plans, coordination with architect and team, civil engineering design, initial permitting, and utility coordination letters.

Kim Misek, ASLA

Exhibit "A"

Landscape Architecture and Streetscape

Relevant Experience

West Clematis Street Streetscape Improvements, West Palm Beach, FL — Project manager and landscape architect. Kimley-Horn provided streetscaping services for this recently completed LAP project. It included the addition of a landscaped median, shade trees in tree grates, new sidewalks, and site furnishings for West Clematis Street. The addition of a median to this one-block section between Tamarind Avenue and Sapodilla Avenue acts as a traffic calming measure while also providing room for additional shade trees, providing pedestrians with a comfortable walk to and from the adjacent Tri-Rail station.

Tamarind Avenue Streetscape, West Palm Beach, FL — Project manager and landscape architect. Kimley-Horn worked with the City of West Palm Beach to perform streetscape design improvements to the Tamarind Avenue corridor between Palm Beach Lakes Boulevard and 25th Street that included landscape islands, new street trees and plantings, irrigation, and decorative crosswalks and intersection treatments. The intersection treatments included a baseball-themed intersection design that encompasses the entire 20th Street intersection as a tribute to the days when Hank Aaron, Jackie Robinson, and Satchel Paige played baseball in this neighborhood a half-century ago. The project design is complete and construction is expected to begin later this year.

24th and 25th Street Improvements, West Palm Beach, FL — Landscape analyst 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 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.

Sunrise Boulevard/US 441 to NW 31st Street, Lauderhill, FL — Served as the production manager and supported the lead landscape architect in design and develop of an updated master plan for the planting and irrigation of the median only, for this major thoroughfare, along with the preparation of an Opinion of Probable Cost and in the preparation of landscape plans and irrigation plans through construction documents.

Dixie Highway Flyover Design-Build, Deerfield Beach, FDOT District Four Serving as senior landscape designer. This project consists of new roadway and bridge to connect Dixie Highway from north of Hillsboro Road along the west side of Florida East Coast Railroad (FEC RR), over FEC RR and Hillsboro Canal, and into existing Dixie Highway north of Hillsboro Canal and east of the FEC RR tracks. In addition to roadway design and lighting services, Kimley-Horn provided structural design services for an eight-span, s-curved, steel box girder bridge over Hillsboro Canal and FEC RR; a three-span bridge over the canal; and retaining walls. This was a fast-track design-build project with only seven months allotted to complete the design and release the project to construction.

Lincoln Road Closure, Miami Beach, FL — Assisted the lead landscape architect in the preparation of hardscape plans, irrigation plans and custom detailing through construction documents and construction phase services. This project was a joint-



Special Qualifications

- Has 11 years of experience with landscape design, site planning, construction document preparation, and in preparing presentation graphics—both digitally and by hand

Professional Credentials

- Bachelor of Landscape Architecture, Landscape Architecture, University of Arkansas
- FDOT Landscaping Outdoor Advertising Training
- American Society of Landscape Architects
- Commercial Real Estate Women
- University of Arkansas Architectural Advisory, Board Member

Kim Misk, ASLA

Relevant Experience (continued)

venture between the City of Miami Beach and UIA Management, LLC. The 1000-1100 Block of Lincoln Road was closed to vehicular traffic to allow for the extension of the Lincoln Road Pedestrian Mall. The mall was extended west, from Lenox Avenue to Alton Road, to include a new pedestrian plaza. The design also included four water gardens, and streetscape and infrastructure improvements. Kimley-Horn provided due diligence, civil engineering, landscape architecture, permitting, traffic signal modifications, and lighting and electrical design services for this project.

Miami Lakeway North Resurfacing and Drainage Improvements, A Federally-Funded Design-Build Project, Miami Lakes, FL — Landscape analyst. Kimley-Horn assisted the Town in obtaining more than \$600,000 in stimulus funding to construct this roadway and drainage improvement project that includes a portion of Miami Lakeway North between Celebration Point and Miami Lakes Drive and NW 153rd Street from Miami Lakeway North to NW 60th Avenue. Prior to obtaining the stimulus funding, Kimley-Horn assisted the Town in becoming Local Agency Program (LAP) certified so that the Town would be eligible to obtain the stimulus funding. Our team developed a design criteria package—in compliance with Federal funding criteria—which resulted in securing the stimulus funding and award of the project to the design-build team. The project included drainage system improvements such as new stormwater inlets, a new outfall connection, exfiltration trench for water quantity and quality treatment, new sidewalk, and new pavement markings and signage. Kimley-Horn also provided construction phase services to expedite the project and to confirm that the project was built in compliance with the design criteria.

South Miami Intermodal Transportation Plan (ITP), South Miami, FL — Landscape analysts on the Kimley-Horn team that prepared the South Miami Intermodal Transportation Plan (SMITP). The City of South Miami desires to enhance the existing transportation system and mobility choices available to residents, workers, and visitors to the City. An integral component of this effort is to establish and implement the SMITP, which identifies an interconnected network of mobility and safety improvements based on smart growth and complete streets principles.

Pedestrian Bridge Design and Roadway Improvements (NW 175th Street and NW 42nd Avenue), Miami Gardens, FL Served as landscape analyst for the Kimley-Horn team selected by the City of Miami Gardens for the design of a new pedestrian bridge. The purpose of this project was to provide pedestrian access along the north side of NW 17th Street and NW 173rd Drive across a Miami-Dade County canal between NW 42nd Avenue and NW 42nd Court. The current bridge is two lanes with a raised pedestrian sidewalk along the north side. Our team provided structural engineering services, including bridge evaluation, rehabilitation, and design.

SR A1A Bicycle Master Plan, FDOT District Six — Served as project planner. This project consisted of the development of a bicycle facility master plan for a 22-mile portion of SR A1A from the Broward County line to Downtown Miami. Our work included design standards review and development; review of design plans, right-of-way plans, and as-built drawings; segmentation, implementation, and approach methodology development; field reviews; conceptual plan development; alternative routes review; and cost estimating. The project also included public outreach with affected municipalities and Miami-Dade MPO's Bicycle and Pedestrian Advisory Committee.

Infinity at Brickell (Infinity I and II), Miami, FL — Served as landscape analyst for this project located in downtown Miami's Brickell area. Infinity at Brickell will consist of two residential towers with office and retail uses on the first floor. Kimley-Horn provided landscape architecture services, including streetscapes, two new urban plazas, and two new recreation decks.

Bid Pack 4 Water Main and Force Main Replacement, Oakland Park, FL — Serving as landscape analyst. Kimley-Horn is responsible for the preparation of construction documents and associated permits for the replacement of more than 27,000 linear feet of water main and force main in the City of Oakland Park. The project consists of replacing existing water mains that have been identified as being substandard with respect to system pressures during fire flow. Services and meter boxes will be replaced to the property line on new water line installations and fire hydrants will be installed in residential and commercial areas. As part of this project, select portions of force main will be upsized within the City and will include the aerial crossing of the C-13 Canal closest to NW 31st Avenue. A critical function of this project is developing a route through the neighboring City of Lauderdale Lakes to provide the most efficient path for looping of the water main. In addition, the work must be planned to minimize disruptions to the City during construction. Currently, our team is providing construction phase services.

David Goldman, P.G.

Exhibit "A"

Environmental and Coastal Services

Relevant Experience

Midtown Miami Brownfield Redevelopment (includes Hydrogeologic Study, Former Buena Vista Railroad Yard), Miami, FL — Served as project manager for the remediation of this 56-acre brownfield which is the largest redevelopment project in the City of Miami. The site was a 100-year-old FEC rail yard with contaminants ranging from petroleum hydrocarbons to metals. The remediation activities were integrated into the site overall development plan to reduce cleanup costs by millions of dollars while allowing for the full development of the property. The site received an SRCO in 2006. In addition, Kimley-Horn designed all public infrastructure, including roadways and utilities, and has provided traffic, landscape architecture, and urban planning services for Midtown Miami. This project is an example of the turnkey type of brownfield redevelopment services Kimley-Horn offers, and we are very proud of the fact that Midtown Miami was the recipient of the EPA Region 4 2009 Phoenix Award, the nation's most prestigious award for brownfield redevelopment.

Resorts World Miami (former Miami Herald site), Miami, FL — Member of the Kimley-Horn team that is providing site/civil engineering, environmental, and ongoing traffic engineering services for the 14-acre bayfront site that previously housed the Miami Herald newspaper at 1 Herald Plaza in Miami. The proposed project includes four new hotels with more than 5,000 rooms and two residential towers featuring up to 1,000 units; a luxury retail Galleria; a 3.6-acre rooftop lagoon and natural sand beach; more than 50 restaurants, lounges, bars, and nightclubs; a high-tech multimedia entertainment area showcasing the music and culture of Florida and South America; and 700,000 square feet of convention and meeting space. The resort will help develop the three-mile BayWalk, which highlights a 150-acre leisure and entertainment area in downtown Miami. Team tasks include due diligence, parking studies, underground utility design, preparation of a Special Area Plan (SAP) traffic study consistent with City of Miami 21 Zoning Code, environmental site assessment and potential remediation planning, including contaminant delineation, water quality evaluation, and quarterly groundwater monitoring.

Continuing Transportation Engineering Services, Leesburg, FL — Member of the Kimley-Horn team providing transportation engineering services to the City of Leesburg under our second continuing services contract. Responsible for environmental issues regarding landfill areas. To date, we have provided numerous studies and designs for the City, including intersection safety evaluations, access evaluations, signal retiming evaluations and implementation, traffic forecasts, signal warrant analyses, and school zone evaluations.

Atlantic Boulevard/Arlington Expressway/Monument Road Final Design (Regency Intersection), Jacksonville, FL — Environmental scientist for the intersection improvements at the Atlantic Boulevard/Arlington Expressway/Monument Road (Regency) intersections. In addition to the intersections that were part of the original "Better Jacksonville Program," these subject intersections were identified as being deficient and also requiring improvements. The improvements include adding travel lanes, extending and adding turn lanes, and stormwater and drainage design.

Environmental Assessment and Characterization Services (Brownfields), New Smyrna Beach, FL — Serving as project manager. Kimley-Horn is providing Phase I and Phase II environmental assessments, as well as remediation planning services under a 2009 EPA community-wide assessment grant for \$400,000 awarded to the City of New Smyrna Beach and its Community Redevelopment Agency. Our services include preparation of site-specific quality assurance project plans, health and safety plans, and evaluation of analyses of Brownfield cleanup alternatives for sites selected by the City.



Special Qualifications

- Has 28 years of experience conducting and managing remediation projects involving Brownfield sites, hazardous waste, industrial waste, and petroleum contamination; water resource development; permitting; groundwater modeling; and aquifer storage and recovery (ASR)
- Integration of site assessment and remediation with site civil design and construction components on numerous sites in Florida and other areas of the country
- Experience with environmental compliance, RCRA, CERCLA, and state hazardous waste and cleanup programs
- Familiar with the following programs involving aquifer characteristic calculations, groundwater flow, and contaminant transport: MOC, MODFLOW, Groundwater Vistas, QuickFlow, Aquifer Win 32, WinTrans, MODPATH, MODRET, RT3D, and finite element modeling of groundwater and contaminant transport

Professional Credentials

- Master of Science, Geology, University of Florida
- Bachelor of Science, Geology, University of Florida
- Professional Geologist in Florida
- American Water Resources Association
- National Groundwater Association
- Florida Brownfields Association

David Goldman, P.G.

Relevant Experience (continued)

DeLeon Springs State Park Environmental Assessment of the Spring Run, DeLeon Springs, FL — Served as project geologist. In 2007, the state of Florida decided to restore the spring run to its historical characteristics and awarded the project to Kimley-Horn to implement the restoration of the creek's ecological habitat in a multi-year, multi-phase process. Kimley-Horn has completed the topographic and bathymetric surveys, an underwater assessment of the spring, the vegetation and animal species assessments, and completed a sedimentation analysis.

Heartland Brownfields Revitalization Partnership – Central Florida Regional Planning Council (CFRPC) EPA Region 4 Brownfields Assessment Program, FL — Serving as project manager. Kimley-Horn is providing Phase I and Phase II environmental assessments, as well as remediation planning services under a \$1-million coalition grant awarded in 2009 to the Central Florida Regional Planning Council and its Heartland Brownfields Coalition Partners under the American Recovery and Reinvestment Act. Our services include site assessment, remediation planning, analyses of Brownfield cleanup alternatives, quarterly reporting, quality assurance project plans, health and safety plans, and other reports as required by EPA.

Jaxson Brown/HASSCO Rehabilitation Brownfield Site, Jacksonville, FL — Served as project manager for the development of this Brownfield site that was a former landfill operated in the 1970s. The site was an abandoned property and the landfill cap was extensively breached when originally purchased by the client. Kimley-Horn developed a plan to address environmental concerns such as groundwater and soil impacts, along with wetland encroachment, while still devising a plan for useful land development. We reduced the potential for environmental impacts by preparing a plan to develop the property with minimal impact to the existing subsurface waste, thereby creating a “win-win” situation for both the Florida Department of Environmental Protection (FDEP) and the client. The Kimley-Horn team developed contamination assessment plans (CAPs) and implemented assessment activities for the former landfill. We also completed contamination assessment reports (CARs) and negotiated with FDEP on assessment and monitoring activities. In addition, Kimley-Horn prepared a solid waste permit, an environmental resource permit (ERP), and a stormwater application for review by FDEP. This was the first project of its kind in the FDEP Northeast District.

Tampa Walmart on Gunn Road Brownfield Site (fka Valspar site), Tampa, FL — As project manager, oversaw the groundwater remediation at this proposed Walmart store. Helped prepare Brownfield Area Designation approval and worked on the Brownfield Site Rehabilitation Agreement (BSRA).

Florida Keys Electrical Cooperative Pole Yard, Marathon, FL — Project manager for the assessment and remediation of this arsenic-contaminated site. This included an evaluation of background concentrations of arsenic, off-site levels of arsenic in soil, and an analysis of tidal effects on the groundwater contaminant plume. The site assessment report (SAR) for this site was approved without comments and a remedial action plan (RAP) was put in place. As a part of the RAP, Kimley-Horn successfully convinced the FDEP that soil could be managed on-site and that, through the use of engineering and institutional controls, both soil and groundwater arsenic impacts could be addressed. The site received an SRCO in 2009.

Dr. Kelly Floodplain Compensation Property Site Assessment and Remedial Action Plan, Sarasota, FL — Project manager for completion of site assessment report (SAR) and Remedial Action Plan (RAP) of a site proposed for floodplain compensation and wetland mitigation. Arsenic-contaminated soil and groundwater present on the site. Use of engineering and institutional controls to integrate floodplain mitigation plans with proposed remediation. Remedial design includes installation of slurry wall into shallow confining unit.

Sunbeam Road Landfill Zone of Discharge (ZOD) Modification Investigation, Jacksonville, FL — Project manager. The Sunbeam Road landfill was operated as an unlined municipal solid waste (MSW) facility until the 1980s by Waste Management. This facility consisted of over 100 acres of property, approximately 56 of which were not used for the disposal of solid waste. The property was purchased by Brownfield Properties, LLP in 2002. Kimley-Horn reevaluated the zone of discharge (ZOD) for the facility. This allowed for the development of 50 acres for multifamily residential use. The evaluation consisted of extensive groundwater testing and modeling to show that by moving the ZOD and increasing the monitoring interval, homes could be safely constructed and occupied on portions of the property. In addition to the redevelopment of the adjoining land, a golf course was planned to be constructed on top of the landfill. The elevated topography and high relief in the vicinity of the landfill will enabled the design of a unique golfing opportunity. Extensive re-permitting for modification of the landfill cap and landfill gas mitigation systems was required.

Osprey Tract (South Creek Basin), Osprey, FL — Served as project team member. Conducted assessment and data interpretation of former nursery with arsenic-impacted soil. Helped define site development approach, and conducted groundwater modeling to examine effects of construction site dewatering on the movement of chlorinated solvent plume located on adjacent property.

Luke Davis, P.G.

Exhibit "A"

Environmental and Coastal Services

Relevant Experience

Rybovich Marina Redevelopment, West Palm Beach, FL — Member of the Kimley-Horn team responsible for performing the environmental due diligence, site assessment, and remedial design for the re-development a boat manufacturing and repair facility. Supervised and coordinated the subsequent site assessment activities in support of a remedial design for the site. Developed a remedial approach for the site that incorporated elements of the proposed site development and construction, which were approved by FDEP. Developed corresponding soil management plans and construction dewatering plans for the site to be implemented during construction.

Wave Streetcar Alternatives Analysis/Environmental Assessment and Supplemental Environmental Assessment, Fort Lauderdale, FL — Environmental analyst for the preparation of the resubmittal of the Alternatives Analysis/Environmental Assessment (AA/EA) for the Wave Streetcar. The outcome of the effort was a Finding of No Significant Impact (FONSI) for the project's Locally Preferred Alternative, satisfying the requirements of NEPA. In 2015, a Supplemental EA was prepared to address design changes developed in the Project's Preliminary Engineering (PE) phase of Project Development, including siting the Project's vehicle maintenance and storage facility (VMSF) at an alternative location and providing an alternative end-of-line treatment on the northern end of the alignment known as the Flagler Loop. A FONSI Amendment was signed by FTA in June 2015. The Wave Streetcar involves constructing a new 2.7-mile fixed guideway streetcar transit service within Downtown Fort Lauderdale in Broward County, Florida.

Resorts World Miami (former Miami Herald site), Miami, FL — Member of the Kimley-Horn team that is providing site/civil engineering, environmental, and ongoing traffic engineering services for the 14-acre bayfront site that previously housed the Miami Herald newspaper at 1 Herald Plaza in Miami. The proposed project includes four new hotels with more than 5,000 rooms and two residential towers featuring up to 1,000 units; a luxury retail galleria; a 3.6-acre rooftop lagoon and natural sand beach; more than 50 restaurants, lounges, bars, and nightclubs; a high-tech multimedia entertainment area showcasing the music and culture of Florida and South America; and 700,000 square feet of convention and meeting space. The resort will help develop the three-mile BayWalk, which highlights a 150-acre leisure and entertainment area in downtown Miami. Team tasks include due diligence, parking studies, underground utility design, preparation of a Special Area Plan (SAP) traffic study consistent with City of Miami 21 Zoning Code, environmental site assessment and potential remediation planning, including contaminant delineation, water quality evaluation, and quarterly groundwater monitoring.

Faena Miami Beach, Miami Beach, FL — Geologist/analyst. Stretching five blocks along Collins Avenue, this ambitious project involves the renovation and improvement of a number of existing, historic Miami Beach hotels including the Saxony Hotel, the Versailles Hotel, the Atlantic Hotel, and the Claridge Hotel. In addition, three new buildings will be constructed. These include the Faena Art Center, Faena House, and Faena Park. A marina is also planned. Kimley-Horn is providing a range of services for all components of this very complex development project with the exceptions of the Faena Art Center and the marina. Our services include due diligence; schematic design; site civil engineering pertaining to roadway design and site planning, as well as utility coordination and design (water, sewer, drainage, electrical, communications); traffic engineering; landscape architecture; permitting through the City of Miami Beach, Miami-Dade County Water and Sewer Department (WASD) and RER (Regulatory and Economic Resources), FDOT, FDEP, and SFWMD; preparation of construction



Special Qualifications

- Has 10 years of experience conducting hydrogeologic investigations and remediation projects involving solid and/or hazardous waste and petroleum-related contamination
- Experience with EPA Brownfield Grants QAPPs, Phase I and II ESAs, analysis of Brownfield cleanup alternatives, and program management
- Experience with conducting Phase I and II environmental site assessments in accordance with ASTM Standard Practices E1527-13 and E1903-11
- Significant experience cooperating with teams of geotechnical engineers, drilling crews, and health/safety officers associated with large-scale construction projects

Professional Credentials

- Master of Science, Geology, University of North Carolina, Wilmington
- Bachelor of Science, Geology, Georgia Southern University
- Professional Geologist in Florida, Georgia, and North Carolina
- Florida Association of Environmental Professionals
- National Association of Industrial and Office Properties
- American Association of Professional Geologists
- American Institute of Professional Geologists
- Carolina Geological Society
- Florida Association of Professional Geologists

Luke Davis, P.G.

Relevant Experience (continued)

documents; and construction phase assistance. This project is being undertaken in phases with some phases currently under construction and others in design.

Midtown Miami Brownfield Redevelopment (includes Hydrogeologic Study, Former Buena Vista Railroad Yard), Miami, FL — Member of Kimley-Horn team for assessment and remediation of this 56-acre Brownfield, which has now become the largest redevelopment project in the City of Miami. The site was a 100-year-old FEC rail yard with contaminants ranging from petroleum hydrocarbons to metals. The remediation activities were integrated into the site overall development plan to reduce cleanup costs by millions of dollars while allowing for the full development of the property. The site received an SRCO in 2006. In addition, Kimley-Horn designed all public infrastructure, including roadways and utilities, and has provided traffic, landscape architecture, and urban planning services for Midtown Miami. This project is an example of the turnkey type of Brownfield redevelopment services Kimley-Horn offers, and we are very proud of the fact that Midtown Miami is the recipient of the EPA Region 4 2009 Phoenix Award, the nation's most prestigious award for Brownfield redevelopment

Miami River-Miami Intermodal Center Capacity Improvement (MR-MICCI), Miami, FL — Environmental analyst for the project which will provide additional mainline track(s) within the South Florida Rail Corridor from just north of the Tri-Rail Hialeah Market Station to the Tri-Rail Miami Airport Station within the Miami Intermodal Center (MIC). The project will also include a new bridge across the Miami River to accommodate the additional mainline track(s). The additional mainline track(s) will address an existing capacity deficiency along the system which negatively impacts travel time and schedule adherence. The project team is preparing an Environmental Assessment (EA) to address the National Environmental Policy Act (NEPA) requirements. The Federal Transit Administration (FTA) is serving as the lead federal agency and the project also involves extensive coordination with the United States Coast Guard (USCG) and the United States Army Corps of Engineers (USACE), as well as state agencies and local stakeholders. Client: South Florida Regional Transportation Authority; Reference: Bill Cross; Phone: 954-788-7909; Dates: 9/2012 – Ongoing; Length of Corridor: N/A

Heartland Brownfields Revitalization Partnership – Central Florida Regional Planning Council (CFRPC) EPA Region 4 Brownfields Assessment Program, FL — Project analyst assisting with Phase I and Phase II environmental assessments, as well as remediation planning services under a \$1-million coalition grant awarded in 2009 to the Central Florida Regional Planning Council and its Heartland Brownfields Coalition Partners under the American Recovery and Reinvestment Act. Our services include site assessment, remediation planning, analyses of Brownfield cleanup alternatives, quarterly reporting, quality assurance project plans, health and safety plans, and other reports as required by EPA.

Environmental Assessment and Characterization Services (Brownfields), New Smyrna Beach, FL — Geologist. Kimley-Horn is providing Phase I and Phase II environmental assessments, as well as remediation planning services under a 2009 EPA community-wide assessment grant for \$400,000 awarded to the City of New Smyrna Beach and its Community Redevelopment Agency. Our services include preparation of site-specific quality assurance project plans, health and safety plans, and evaluation of analyses of Brownfield cleanup alternatives for sites selected by the City.

Jaxson Brown/HASSCO Rehabilitation Brownfield Site, Jacksonville, FL — Member of the Kimley-Horn team for assessment activities at this Brownfield site that was operated as a landfill in the 1970s. The site was an abandoned property and the landfill cap was extensively breached when originally purchased by client. Kimley-Horn developed a plan to address environmental concerns such as groundwater and soil impacts, along with wetland encroachment, while still devising a plan for useful land development. We reduced the potential for environmental impacts by preparing a plan to develop the property with minimal impact to existing subsurface waste, thereby creating a “win-win” situation for both FDEP and the client. Individual contributions include groundwater monitoring and reporting to FDEP.

Wakulla County Airport Project Environmental Impact Report (PEIR), Wakulla County, FL — Geologist. Kimley-Horn provided engineering and environmental services to complete a Project Environmental Impact Report (PEIR) for the Wakulla Airport. The purpose of this project was to evaluate a build alternative that will bring the Wakulla County Airport into compliance with Florida Administrative Code (FAC), Chapter 14-60.007(2)(b)1.a and for the FDOT licensing of the Airport. The project included public involvement, engineering analysis and Preliminary Engineering Report (PER), environmental analysis and reports including Wetlands Evaluation Report, Wildlife and Habitat Report, Contamination Screening Evaluation Report, and final PEIR. Kimley-Horn worked in close coordination with Wakulla County and FDOT on this project.

Bio Nitrogen Plant, Taylor County, FL — Environmental professional on the Kimley-Horn team that was retained to provide design and permitting services for a proposed bio nitrogen plant in Perry (Taylor County), Florida. Although the project did not proceed to the permitting stage, Kimley-Horn completed and submitted a traffic impact analysis (TIA) as well as Phase 1 and 2 environmental assessments (ESAs).

Michael Kiefer

Exhibit "A"

Environmental and Coastal Services

Relevant Experience

FPL Subaqueous Cable Crossing, Palm Beach County, FL — Responsible for environmental services and permitting. As a result of the reconstruction of the Flagler Bridge, FPL was required to abandon and relocate this utility crossing of Lake Worth. Provided conceptual design and conducted an environmental assessment for this subaqueous crossing. Conducted a seagrass assessment and prepared documentation for permitting through the FDEP and USACE.

16-inch Force Main Rehabilitation Design-Build Project, Construction

Administration, North Bay Village, FL — Responsible for environmental services and permitting. Conducted a route evaluation study prior to development of the design criteria package in order to select not only the most cost-effective alternative to replace the force main, but also the most environmentally-sensitive alternative to replace the force main.

Subaqueous Water Line Crossing, Sarasota County, FL — Responsible for environmental services and permitting. Conducted an environmental assessment for this subaqueous crossing. Conducted a seagrass assessment and prepared documentation for permitting through the FDEP and USACE.

Martin County Utilities Subaqueous Water Line Crossing, Martin County, FL

Responsible for environmental services and permitting services which consisted of multiple subaqueous crossings in the Indian River Lagoon Aquatic Preserve, a Florida Outstanding Water. Conducted an environmental assessment, including a seagrass assessment and prepared permit documentation for permitting through the FDEP and USACE.

24-Inch Water Main and 24-inch Force Main Subaqueous Intracoastal Crossings (Pipeline Installations) (Currie Park), West Palm Beach, FL

Responsible for environmental services and permitting, including conceptual design, preparation of documentation for permitting through FDEP and USACE, and conducting an environmental assessment and a seagrass assessment for these subaqueous crossings. Conducted a route study to implement the most beneficial location for the new water main and force main. Kimley-Horn provided design, permitting, and construction phase services for both the water main and force main. The design included a 2,700-foot-long subaqueous crossing of the Lake Worth Lagoon and more than 1,000 linear feet of upland pipeline through downtown West Palm Beach and the Town of Palm Beach.

Engineering Services (Force Main 3, Force Main 5), St. Pete Beach, FL

Environmental scientist. Kimley-Horn was selected in 2012 to provide general engineering services to the City of St. Pete Beach for various public works projects, including: Pump Stations Nos. 1, 2, and 3; Lift Stations 5, 6, 9, and 12; Force Main #3 Evaluation and Design; and Inflow & Infiltration (I&I) Report and Citywide Model, and Force Main #5 replacement.

Globalink Fiber Optic Cable Project, Multiple Locations, FL — Kimley-Horn was the prime consultant for the Florida portion of this project, which consisted of an offshore festoon cable system that was to carry telecommunication traffic from Boston, Massachusetts to Miami with 23 shore landing sites along the way to drop and add traffic. The sub-aqueous marine cable was to travel offshore along a course that traversed in and out of waters of the state (three-mile limit), making landfall in Jacksonville Beach, Daytona Beach, Cocoa Beach, Vero Beach, Palm Beach, Sunny Isles Beach, and Miami Beach. Each landing consisted of a six-inch conduit from west of the coastal construction control line (CCCL) to 2,000 to 4,000 feet offshore. The



Special Qualifications

- Specializes in coastal land development and construction, as well as waterfront land development projects and marine construction.
- Frequently called upon as a resource and/or manager for projects that are controversial from an environmental resource management and permitting perspective, or on projects that are complex from a regulatory approval perspective
- Experience includes both private and public sector projects such as the preparation of NEPA documents and other engineering and environmental documentation for marina and coastal resort and hotel projects; oceanfront development and redevelopment projects; boat ramps, dredging, and aid to navigation projects; highway construction projects; airport expansion projects; commercial and residential land development projects; public parks; and numerous utility projects
- Has successfully completed projects and construction activities in the terrestrial, coastal, marine, and estuarine environments
- Extensive knowledge of Florida's environmental regulations and regulatory permitting programs, including federal environmental regulations; has established working relationships with numerous staff in regulatory agencies, including FDEP, FWC, SFWMD, USACE, EPA, USFWS, and NMFS

Michael Kiefer

Relevant Experience (continued)

landings included subaqueous crossings in the Intracoastal Waterway at numerous locations. A key part of the permitting process was to define construction techniques, address erosion control and turbidity, assess environmental impacts, and develop mitigation plans. A joint application for an ERP- Environmental Resource Permit/Authorization to Use State-Owned Submerged Lands/Federal Dredge and Fill Permit was prepared and filed on behalf of the owner by Kimley-Horn.

Indian River Plantation 12-inch Force Main Construction, Martin County, FL — Member of the Kimley-Horn team that was retained to construct a new subaqueous 12-inch force main across the Indian River Intracoastal Waterway between Hutchinson Island and Sewall's Point connection at Ocean Boulevard and Sewall's Point road in Martin County. The scope of services for this project consisted of reviewing the existing sewer system data, preparing topographic survey, design, preparation of drawings and specifications, decommissioning the wastewater treatment plant, and regulatory agency permitting and bidding assistance for the diversion of wastewater from the existing Indian River Plantation wastewater treatment plant to the Martin County Utilities consolidated sewer system.

Construction Administration

Relevant Experience

BCWWS – North County Neighborhood Improvement Projects, Pompano Beach FL — Construction project manager for Bid Packs 12, 13, and 15. Managed a team of inspectors, project engineers, and designers during construction phase for three neighborhood improvement projects. Project scope included construction of new water, sewer, reclaimed water and drainage utilities along with new road and sidewalk construction.

Ballpark of The Palm Beaches/Spring Training Facility for the Houston Astros and Washington Nationals, West Palm Beach, FL — Kimley-Horn is currently providing civil engineering services for the development of the Ballpark of The Palm Beaches, a state-of-the-art two-team spring training facility in West Palm Beach, Florida. The 8,500-seat stadium will annually host the Houston Astros and the Washington Nationals during the Spring Training season. In addition to the new stadium, the 154-acre property will also accommodate 12 auxiliary major/minor league fields, five Palm Beach County multipurpose fields, and a 12.2-acre City of West Palm Beach park. The facility will be used year-round by Palm Beach County for sports tournaments and other events. Kimley-Horn's scope of work includes on-site civil engineering, environmental resource work, event traffic management planning, permitting, and construction phase services. Kimley-Horn is also directing subconsultants performing the off-site turn lane design, signal modifications, survey, and utility locations.

City Park at The Ballpark of the Palm Beaches, West Palm Beach, FL

Construction administration. Kimley-Horn is currently providing civil engineering services for the development of City Park at The Ballpark of The Palm Beaches, in West Palm Beach, Florida. The 12.2-acre park is at the southwest corner of the spring training facility and was donated to the City of West Palm Beach by Palm Beach County and will be funded by the Houston Astros and Washington Nationals. Kimley-Horn is the prime consultant on the project providing on-site civil engineering, landscape architecture, permitting, and construction phase services. Kimley-Horn is also directing subconsultants performing the architecture, landscape layout, survey, and sewer system design.

FAU Florida Atlantic Boulevard Northern Four Lane Design and Permitting, Boca Raton Campus, Boca Raton, FL

Team member for roadway design (including vertical alignment, cross sections, pavement design, grading), drainage design, reclaimed water main, utility relocation, and erosion and sedimentation control. Assisted the project manager with coordination with FAU, Palm Beach State College, the Research and Development Park at FAU, and the City of Boca Raton. Performed construction phase services for the project, including attending and participating in owner/contractor construction meetings, shop drawing review, responses to requests for information, issuing any necessary plan changes and construction change directions, field reviews for all stages of construction, substantial and final completion walkthroughs and punch lists, review of contractor change orders, and other services.

Franklin Academy, Boynton Beach, FL — Team member. Franklin Academy is a proposed 1,300-student charter school proposed to be located along Military Trail, west of Boynton Beach. Kimley-Horn provided transportation planning services prior to County Commission approval of the site. Kimley-Horn has also provided signal design services for a new mast-arm traffic signal at Minor Road and Military Trail, as well as turn-lane design for a new turn-lane on Military Trail, and roadway design plans for a rebuild of Old Military Trail adjacent to the site. Our team coordinated closely with Palm Beach County through the design process, and provided construction phase services



Special Qualifications

- Construction services manager with more than 33 years of experience in land development and roadway construction
- Expertise in the fields of transportation, water and sanitary sewer transmission lines, stormwater, concrete construction, roadway and site development
- Proven ability to manage multiple active construction projects
- Performs other engineering tasks such as cost estimates, quantity take-offs, specifications, constructability reviews, and construction administration

Professional Credentials

- Bachelor of Science, Civil Engineering Technology, Thomas Edison State College
- Wentworth Institute of Technology, Boston, MA (completed 90 credits towards a B.S. in Civil Engineering Technology)

Relevant Experience (continued)

throughout the construction of the project. Design and construction of the improvements were required within an aggressive 10-month schedule.

Jupiter Medical Center Expansion (includes Bed Tower and Drainage Improvements), Jupiter, FL — Team member providing construction phase services. The Jupiter Medical Center expansion project consists of a three-story, 99,870-square-foot addition and renovation to the existing facility. New construction includes a lobby, executive offices, and outpatient functions and food services areas; the expansion includes 30 ortho/neuro patient rooms and a rehabilitation gymnasium. As a subconsultant to another firm, Kimley-Horn is providing civil engineering services for a new 47,000-square-foot bed tower and 9,000 square feet of meeting spaces. Our team is responsible for site planning, design, permitting, and construction phase services. The scope of work includes campus landscape modifications, significant drainage improvements, and permitting through the Town of Jupiter.

Mandel Jewish Community Center (fka North County Jewish Community Center), Palm Beach Gardens, FL — Team member providing construction administration/inspection services. Kimley-Horn is providing civil engineering services for this proposed facility on a 15-acre site on Hood Road in Palm Beach Gardens. The 56,000-square-foot, state-of-the-art facility will feature an early childhood learning center and summer day camp, a pool and aquatics center, sports fields, reception hall, indoor and outdoor playgrounds, and class space. Completion of construction is anticipated by summer of 2014.

Marcus Neuroscience Institute at Boca Raton Regional Hospital, Boca Raton, FL — Providing construction administration services. Kimley-Horn is providing engineering design services as a subconsultant to another firm. This facility will serve as a new, state-of-the-art nexus of care for neurologic and neurosurgical patients and transform the landscape of clinical capabilities available in the region. The 57,000-square-foot facility will house a 20-bed neuro-intensive care and step-down unit.

North Broward Preparatory School Global Wellness Center, Coconut Creek, FL — Construction administrator for the new 40,000-square-foot Global Wellness Center on the existing North Broward Preparatory School campus. The new building required the relocation and expansion of the existing baseball field as well as the relocation of the softball field. Kimley-Horn provided full site civil engineering services, including grading of the site and fields; horizontal layout; and provisions for future expansion and development of the amenities for the fields.

Federal Highway, Delray Beach, FL — Member of the Kimley-Horn team that is providing post design services on this project for the City of Delray Beach. Responsibilities include shop drawing review, site visits, progress meetings, and coordination with agency responses.

Boynton Beach Gateway Enhancements and Welcome Signage, Boynton Beach, FL — Team member for the design and installation of gateway entrance signs on US 1 at key locations in Boynton Beach.

FAU Parliament Hall, Boca Raton, FL — Team member. As a subconsultant to an architect, Kimley-Horn completed the civil engineering and regulatory agency permitting for the FAU Parliament Hall housing development. Parliament Hall is a 600-bed, on-campus housing facility for freshman students which includes three food service vendors, an exterior plaza, an art walk, and other student amenities. Services included site engineering, site layout, drainage design, utility relocation, lift station design, and grading design.

FAU Parking Garage III, Boca Raton, FL — Team member. Kimley-Horn provided civil engineering and regulatory permitting for this 943-space parking garage on FAU's Boca Raton campus. The garage is located on the north side of the campus and provides parking for the stadium as well as heavily utilized student areas including the student recreation and fitness center. Our services included site layout, drainage design, utility relocation, new traffic signal design, and grading design.

Michael Parsons

Construction Administration

Relevant Experience

Town-wide Undergrounding Program, Palm Beach, FL — Construction administrator. Subsequent to a state of Florida mandate that FPL “storm harden” all vital infrastructure and utility lines statewide, resulting in the installation of taller, concrete electric poles, the Town of Palm Beach chose instead to convert all aerial electric, communication, and cable lines to an underground location. Kimley-Horn serves as program manager and prime consultant designing and permitting the underground conversion process in close coordination with FPL, AT&T and Comcast. Kimley-Horn first developed a master plan to outline the schedule, sequencing, phasing, management of traffic impacts, project delivery methods, data collection, public outreach, design criteria, and projected costs. At the same time, Kimley-Horn performed the detailed design of Phase 1 of the program, which is now complete. Kimley-Horn and the Town also performed planning to address Town infrastructure needs (stormwater, gas, water and sewer) to determine if any renovation or replacement should occur while the underground utility work is underway. The benefits of undergrounding these utilities include improved neighborhood aesthetics, increased service reliability, and increased levels of safety as the lines are no longer exposed. The entire program, which began in 2016, is expected to take 10 years to complete.

Nightingale Trail and La Puerta Way Overhead Utility Undergrounding

Construction administrator. Kimley-Horn was selected to provide design, construction document preparation, permitting, bid and construction phase services for the project. The project includes the installation of underground FPL, AT&T, and Comcast conduit, and associated transformers, vaults, pull-boxes, and handholes, etc. within Town right-of-way or easements. The project also includes the installation of service conduit and service conductors on private property. Paving, grading, drainage improvements, and water main relocations were also completed on La Puerta Way.

Lake Tower Overhead Utility Undergrounding — Construction administrator. The project included the installation of underground FPL, AT&T, and Comcast conduit, and associated transformers, vaults, pull-boxes, and handholes, etc. The project also included paving restoration and site restorations.

D-4 Stormwater Pump Station Improvements, Palm Beach, FL — Served as Kimley-Horn’s construction phase services field representative during the improvements project. The improvements included: a new FPL electrical service and pad-mounted transformer; conversion of the existing FPL electrical vault room into an electrical room which will house the new motor control center, pump station control panel, and miscellaneous electrical equipment; an additional automatic transfer switch to allow the existing conductors to provide both primary and emergency back-up power to both the E-6 Lift station and D-3 pump station; three new 150-hp submersible axial flow main pumps; one 75-hp submersible axial duty pump; and wetwell improvements, including new discharge piping, concrete divider walls between pumps, and stainless steel pump supports for each pump. The existing electrical/mechanical room will be renovated to house 600-kW and 300-kW generators, providing emergency back-up power for the D-4 stormwater pump station and the E-7 lift station, which is located on the D-4 site. The mechanical room will incorporate acoustical louvers and ventilation silencers to mitigate the mechanical noise of the generators. Outfall improvements will include replacement of the end section of the 58-inch by 91-inch elliptical concrete pipe and a rip-rap velocity dissipater based on South Florida Water Management District permit requirements; and addition of an odor control system for the E-7 sanitary lift station.



Special Qualifications

- Construction professional with 16 years of experience overseeing all phases of multimillion-dollar construction, infrastructure, utility, and environmental projects for government and private-sector clients
- Experience includes managing crews of up to 50 in highway improvements, commercial site development, underground utility installation, and a variety of other construction/demolition projects
- Experience backed by strong credentials and a proven history of on-time, on-budget, and high-quality project completions

Michael Parsons

Relevant Experience (continued)

D-10 Stormwater Pump Station Improvements, Palm Beach, FL — Served as Kimley-Horn's construction phase services field representative during the improvements project. The improvements included: a new FPL electrical service and pad-mounted transformer; conversion of the existing FPL electrical vault into the new pump station electrical room, which will house the new motor control center; pump station control panel; miscellaneous electrical equipment; three new 215-hp submersible axial flow main pumps; one 70-hp submersible axial duty pump; and wetwell improvements, including new discharge piping, concrete divider walls between pumps, and stainless steel pump supports for each pump. The existing electrical/mechanical room will be completely demolished and reconstructed with sound attenuating concrete blocks and acoustical ventilation silencers to meet the Town's noise ordinance and new 750-kW and 150-kW generators, which will provide emergency back-up power for the D-10 stormwater pump station and the E-3 sanitary lift station. Outfall improvements will include replacement of the end section of the 58-inch by 91-inch elliptical concrete pipe and coating the entire length of the concrete outfall pipe will be rehabilitated with an epoxy coating and a rip-rap velocity dissipater based on South Florida Water Management District permit requirements. The landscaping design will accommodate the request of the resident to the north of the project that the building be heavily screened from his view.

Lift Station 13 Improvements, West Palm Beach, FL — Construction phase services field representative to verify construction was completed in general accordance with contract documents. Observations of the construction of a new electrical room addition built on sheet piling, installation of new generator, VFDs, valve actuators, valves, and flow meters. Also performed follow-up field reports included demolition, installation of utilities, pressure testing of new piping, and site work.

30-inch Transmission Main Across Central Boulevard – Central Boulevard Water Main Crossing, Jupiter, FL Construction administrator. This project involves the design and construction of a new 30-inch water transmission main across Central Boulevard between Jupiter Gardens Boulevard and Jupiter Park Drive to connect the 24-inch water transmission mains on the east and west sides of Central Boulevard. Currently, the two 24-inch water transmission mains are connected with a 22-inch HDPE water transmission main which is limiting the pumping capacity of the North and South Central Boulevard High-Service Pump Stations. The addition of the 30-inch water transmission main will relieve the restriction and allow for more efficient operation at the two high-service pump stations. Kimley-Horn has completed a review of the existing utilities in the project area, development features on each side of Central Boulevard, and available information on subsurface utilities along the section of Central Boulevard between Jupiter Park Drive and Jupiter Gardens Boulevard. Permits received for the project include the Palm Beach County Health Department permit and the Palm Beach County Utility right-of-way permit. Kimley-Horn has completed the design and permitting phase of the project.

Supplemental Blend Box, Jupiter, FL — Construction administrator. Kimley-Horn developed an innovative process for stabilizing reverse osmosis (RO) permeate with nano permeate and designed the structures, pipes, pumps, and other components needed to implement this process at the Jupiter Water Plant. In addition to providing a method of stabilizing RO permeate, this process improved operation of the nano degasifiers, lowered the hydraulic gradient in the RO degasifiers, and created a redundant path for nano permeate to reach the clearwell and, from there, customers of the Jupiter water system. This project implemented a number of elements or improvements around the water plant, including: corrosion inhibitor bulk storage; day tank; feed pumps and injection piping; dry air supply to bulk sulfuric acid storage tanks; nano pilot unit piping and pumps; and connection of the lime softening and nano pretreatment filters backwash basins.

Southern Boulevard Bridge Subaqueous 16-inch Water Main Replacement and Route Study (14-inch pipeline), West Palm Beach, FL — Construction administration. This project involves the design of a 16-inch HDPE pipeline under the Intracoastal Waterway between the City of West Palm Beach and the Town of Palm Beach. As a result of the Southern Blvd. Bridge reconstruction project, a 16-inch water main owned by the City of West Palm Beach needed to be relocated. Kimley-Horn provided an initial route study to identify potential pipeline routes and hydraulic modeling to determine that the pipe diameter could be reduced to lower construction costs. Kimley-Horn is now providing design, permitting, bidding, and construction phase services for the project. Permits are being obtained from the U.S. Army Corps of Engineers, Florida Department of Environmental Protection, and Florida Department of Transportation.

North Jupiter Water Main Improvements, Jupiter, FL — Construction administrator. Kimley-Horn was selected to provide design, construction document preparation, permitting, bid and construction phase services for the North Jupiter water main Improvements project. The purpose of the project is to replace aging infrastructure, enhance system water pressure, increase service reliability, and enhance fire protection in the community. The scope of the project includes the replacement of all backyard asbestos concrete pipe (over 15,260 linear feet) with new water main (over 11,400 linear feet) located at the front of the homes and replacement of new water services and house connections for more than 190 homes. The project also includes point repair improvements for areas outside of the water main replacements for the addition of new fire hydrants and isolation valves.

Lisa Stone, P.E.

Exhibit "A"

Public Outreach/Involvement

Relevant Experience

Turnpike Mainline Widening from Lake Worth to Jupiter, PD&E Study and Design, Florida's Turnpike Enterprise, Palm Beach County, FL — Assistant project manager and Public Involvement task leader for design, including engineering elements of the 23-mile-long PD&E study. Kimley-Horn prepared all engineering and environmental reports necessary to evaluate impacts for the proposed widening. This project included a Public Information Meeting and a Public Hearing. Kimley-Horn also developed alternative improvement options to add express toll lanes to Lake Worth Road, Okeechobee Boulevard, PGA Boulevard and Indiantown Road interchanges

PD&E Study for Florida's Turnpike Spur and the HEFT from NW 57th Avenue to Turnpike Mainline, Broward/Miami-Dade Counties, FL — Project manager and public involvement leader. Provided 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.

SR 5/US 1 and SR A1A RRR Design Services, Palm Beach Gardens, FDOT District Four — Project 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.

Widening Florida's Turnpike PD&E Study from the Sawgrass Expressway to Atlantic Avenue, Florida's Turnpike Enterprise — Assistant project manager and Public Involvement task leader for the PD&E study evaluating impacts of widening Florida's Turnpike to eight lanes within the study area by adding two additional lanes. The study also considered possible interchange alternatives to provide relief to Glades Road. A Public Information Meeting and a Public Hearing were held for this study.

Kings Highway (SR 713) from Okeechobee Road (SR 70) to US 1 (SR 5) PD&E Study, St. Lucie County, FDOT District Four, FL — Assistant project manager and public involvement leader on the Kimley-Horn team that performed a PD&E study to widen an existing two-lane roadway to a four-lane divided roadway. Assisted with production of the Preliminary Engineering Report. This project is 10 miles in length and includes all environmental and engineering reports necessary to evaluate alternative corridors and alternative alignments within the selected corridor. This project has the potential to be controversial and will include public information meetings and public workshops with local residents and elected officials. This project also includes the preparation of a detailed concept plan, right-of-way maps, and a pond siting report to determine additional right-of-way needs.

PD&E Study for SR 5/US 1/Federal Highway from CR A1A to Beach Road, FDOT District Four — Deputy project manager and public involvement lead. Kimley-Horn was retained by FDOT District Four to conduct a PD&E study for the Jupiter Bridge,



Special Qualifications

- Has 21 years of experience, including public involvement, utility coordination, transportation, roadway design, plans preparation, roadway design and PD&E experience in Florida
- Has served as public involvement task leader for: the Turnpike Mainline Widening from Lake Worth to Jupiter PD&E Study and Design project for Palm Beach County; Archer Road PD&E Study for the City of Gainesville; Mainline Widening PD&E Study/Design, Osceola Parkway Extension PD&E Study, and Widening Florida's Turnpike PD&E Study from the Sawgrass Expressway to Atlantic Avenue for Florida's Turnpike Enterprise; Kings Highway PD&E Study for FDOT District Four; and the C-466 W PD&E Study for Sumter County

Professional Credentials

- Bachelor of Science, Civil Engineering, University of Florida
- Professional Engineer in Florida
- Florida Engineering Society
- National Society of Professional Engineers

Lisa Stone, P.E.

Relevant Experience (continued)

No. 930005, Of State Road 5/US-1 Federal Highway from CR-A1A to Beach Road, Palm Beach County, Florida. Our team is evaluating the following alternatives: 1) Bridge rehabilitation; 2) Bridge replacement, high level, mid-level, low level, includes various alignment alternatives. The various alignment alternatives will include consideration for temporary bridge, full bridge closure and phase construction with traffic on existing bridge. Each alternative above will evaluate bringing the bridge up to FDOT standards that includes options to accommodate pedestrian and bicyclists; or No Build.

Osceola Parkway Extension PD&E Study, Florida's Turnpike Enterprise, Orange/Osceola County Line, FL — Public involvement task leader and assistant project manager. Responsibilities include public involvement, long range estimates, and documentation. Assisted with production of the Preliminary Engineering Report. Kimley-Horn is conducting a PD&E study for the extension of Osceola Parkway, which begins west of Boggy Creek Road and runs east for approximately seven miles to the proposed Southport Connector. The corridor study area is located adjacent to the Orange/Osceola County line. The study focuses on developing a freeway facility that can be expanded in the future with provisions to accommodate a transit corridor and multiuse pedestrian facilities. The project includes a connection to provide direct access to and from SR 417, with interchanges at both ends of the connector road—one at SR 417 and the other at Osceola Parkway. Multiple alternatives are being considered at these two interchanges. The interchange at SR 417 is being developed so that it not only connects to SR 17, but it will also connect to the new Airport South Access Road currently being constructed by the Orlando/Orange County Express Authority (OOCEA), which will provide access to Orlando International Airport. There are two other interchange locations within the study area—one at Narcoossee Road and a future road at the halfway point between Boggy Creek Road and Narcoossee Road.

PD&E Study for Flagler Memorial Bridge, FDOT District Four — Conducted public involvement activities for this PD&E study to determine how best to replace or repair the bridge. Assisted with production of the Preliminary Engineering Report. This study analyzed various engineering concerns including bridge type (fixed versus bascule), the possible construction of a temporary bridge, the placement of bridge touch downs, connections to Flagler Drive and Royal Poinciana Plaza, bridge alignment, and construction phasing. Environmental issues were defined and analyzed; these included permit coordination with the regulatory agencies, impacts upon the natural environment (wetlands, seagrass, endangered and threatened species, water quality), contamination, and historic and cultural resources that may be affected by bridge construction.

SR 298 (Lillian Highway) Design from East of Fairfield Drive to New Warrington Road, FDOT District Three — Project engineer. Kimley-Horn provided engineering services for the resurfacing, rehabilitation, and restoration (3R) of SR 298 (Lillian Highway) from east of Fairfield Drive (SR 727) to New Warrington Road (SR 295) in Escambia County and SR 77 from SR 273 (Glenwood Avenue) to the Jackson/Washington County line. The project included a Level II community awareness program with a public involvement presentation to the community and elected officials. Design elements included resurfacing the existing pavement to extend pavement surface life, replacement of broken or damaged drainage structures, processing design exceptions and variances for existing clear zone violations to remain, updating the roadway corridor to meet ADA requirements, and updating school zone signing and pavement markings to meet current standards for the three schools within the project limits. Construction plans and specifications were prepared to meet FDOT criteria for electronic plans delivery.

Royal Park Bridge Bridgehead Design, FDOT District Four — Kimley-Horn provided bridge design, transportation planning, PD&E services, public involvement, urban design, and landscape architecture for the new \$50-million Royal Park Bridge connecting the Town of Palm Beach with the City of West Palm Beach. Served as project engineer for improvements to SR 704 from Dixie Highway to Coconut Row. The project included milling and resurfacing of Okeechobee Road, Lakeview Avenue, and Flagler Drive, as well as reconstruction of Royal Palm Way and replacement of the existing bascule bridge.

Archer Road (SR 24)/SW 16th Avenue (SR 226) PD&E Study, Construction Plans, and Permits, Gainesville, FL Assistant project manager and Public Involvement task leader for project that involved redesignation of SR 24 from Archer Road to SW 16th Avenue and altering Archer Road to a University of Florida campus road. The study included all environmental and engineering reports necessary to evaluate alternatives to this heavy pedestrian-bicycle-used corridor. This project included strong coordination and public involvement with University of Florida, FDOT District Two, and the City of Gainesville.

SR 823/Flamingo Road Milling/Resurfacing (3R), FDOT District Four — Project engineer. This project included resurfacing, restoring, and rehabilitating 3.9 miles of SR 823 (Flamingo Road) from south of Johnson Street to north of Griffin Road. The major objectives of the project included milling and resurfacing the existing roadway pavement, improving design deficiencies, and enhancing safety and traffic operations through the corridor. Other incidental work included the addition of bike lanes, upgrading deficient sidewalk ramps, and pavement markings.

Stefano Viola, P.E.

Exhibit "A"

Water/Sewer/Stormwater Infrastructure

Relevant Experience

Town Hall Square Streetscape and Infrastructure Improvements, Palm Beach, FL
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, FL
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, FL — 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, FL — 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.



Special Qualifications

- More than 11 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 United States Marine Corps for five years
- Experience with AutoCAD, WaterCAD, StormCAD, and Cascade

Professional Credentials

- Bachelor of Science, Civil Engineering, Florida International University
- Professional Engineer in Florida
- American Society of Civil Engineers
- Florida Engineering Society

Stefano Viola, P.E.

Relevant Experience (continued)

Historic Miramar Complete Streets, Miramar, FL — 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, FL — 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, FL — 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.

24-inch Water Main Route Evaluation Report and Design, West Palm Beach, FL — Project engineer. Also provided utility coordination. As a result of the Florida Department of Transportation (FDOT) relocating the Flagler Memorial Bridge, the City of West Palm Beach was required to relocate 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

Barton Boulevard Streetscape, Rockledge, FL — 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.

Lloyd Estates Streetscape and Drainage Improvements, Oakland Park, FL — Project engineer for permitting elements. Also provided utility coordination. Kimley-Horn provided professional engineering services for the design and construction of the Lloyd Estates Residential and Industrial Area Drainage Project. The project involves phased drainage and water distribution system improvements consisting of the construction of a stormwater collection system with water quality treatment measures and possible upgraded outfalls, as well as replacement of select existing water mains within the project area. The professional services include surveying, stormwater analysis, civil and electrical engineering design, landscaping and irrigation, permitting, coordinating with utility providers for adjustments and or relocations, preparing quantity calculations, and engineer's estimates of probable costs.

Continuing Stormwater Services, Cutler Bay, FL — Project engineer. Kimley-Horn developed a stormwater master plan to address flood protection activities for its residents and to protect the environmental quality of its canals. Kimley-Horn also developed a stormwater management report to assist the Town in creating a stormwater utility, which generates a dedicated stream of revenue to implement capital improvements and maintain an operation and maintenance program associated with the stormwater system. In addition, Kimley-Horn developed the stormwater utility fee methodology and established the range of rates for the utility to implement improvements. The project tasks included compiling data, developing a stormwater master plan, developing a stormwater management report, and assisting the Town in joining the National Flood Insurance Program (NFIP) so the community has future access to federally-funded flood insurance, and submitting applications and program approach for an anticipated Community Rating System (CRS) rating of 6.

Danny Brannon, P.E.*General Partner***Relevant Experience****Brannon & Gillespie, LLC., Wellington, Florida (2001 to date)**

General partner with shared responsibility for financial, marketing, design, and technical areas of the company.

Science Applications International, New Orleans, Louisiana (2000-2001)

Provided project management and technical guidance in resolving a \$25-million legal dispute between the City of New Orleans and Entergy New Orleans, Inc. relative to the design, construction, maintenance, and billing associated with 52,000 City-owned street lights. Managed the development and implementation of information technology tools to support electric distribution system design, construction, operation, and maintenance.

Entergy Services, Inc., New Orleans, Louisiana (1998-2000)

Distribution business unit IT manager responsible for the acquisition and management of Information technology tools to support electric distribution system design, construction, operation, and maintenance, including tools supporting such functions as load analysis, fault analysis, line design optimization, and outage status.

Florida Power & Light Company, Juno Beach, Florida (1991-1998)

Project engineer and resource planning specialist responsible for the design of overhead and underground transmission lines, workload forecasting, and transmission line and fiber optics information systems development.

Florida Power & Light Company, West Palm Beach, Florida (1973-1991)

District operations manager responsible for the design, construction, and maintenance of overhead and underground electric distribution facilities serving 75,000 residential, commercial, and industrial electric accounts within the metropolitan West Palm Beach area. As division information technology manager for the firm's Eastern Division, responsible for distribution systems, telecommunications, and division accounting. Service planning supervisor responsible for negotiations and design of distribution system facility additions or modifications.

Availability and Years of Experience

- % of time assigned to this project: 25%
- # of years with firm: 16
- # of years with other firms: 27

Education/Active Registration

- BSEE, Electrical Engineering, Auburn University
- Registered Professional Engineer in Florida

Pertinent Training, Skills, and Qualifications

- Electrical design
- Lighting design
- Utility negotiations
- System assessment
- Project management
- Business case development



James Gillespie, P.E., LEED AP

General Partner



Relevant Experience

Brannon & Gillespie, LLC., Wellington, Florida (2001 to date)

General Partner with shared responsibility for financial, marketing, design, and technical areas of the company.

Gillespie & Associates, Inc., Wellington, Florida (1993-2001)

President. Ownership and overall responsibility for financial, marketing, design, and technical areas of the corporation.

Florida Power & Light Company, Juno Beach, Florida (1972-1993); Principal Engineer, Substation Field Support Training (1991-1993)

Responsible for developing training programs for field personnel on new and existing equipment, switching, entry-level employee familiarization, and safety.

Project Manager, Distribution Automation (1990-1991)

Responsible for the system-wide implementation of distribution automation at Florida Power & Light.

Superintendent of Emergency Services, Eastern Division (1982-1990)

Responsible for operation of Emergency Services in the Eastern Division service territory of approximately 4,100 square miles and 620,000 customers. Directed a staff of nine management and 38 bargaining unit personnel with responsibility for the operation of the electrical distribution system including 350 feeders and 70 substations.

Superintendent of Jupiter Service Center (1980-1982)

Responsible for the Jupiter Service Center operation which included one management and 25 bargaining unit personnel.

Assistant Supervisor, West Palm Beach Central Service Center (1977-1980)

Responsible for various crew supervisory tasks, including overhead, underground, and job scheduling.

Assistant Supervisor, Load & Voltage Department (1976-1977)

Responsibilities included conducting investigations of customer voltage complaints, feeder load balancing, regulator setting calculations, and feeder switching for routine maintenance or emergency restoration.

Engineer, Eastern Division Distribution Engineering Department (1972-

1976) Responsibilities included engineering design of overhead and underground electrical distribution and street light facilities, which increased in complexity from 1972 to 1976.

Availability and Years of Experience

- % of time assigned to this project: 25%
- # of years with firm: 16
- # of years with other firms: 27

Education/Active Registration

- BSEE, Electrical Engineering, University of Tennessee
- Registered Professional Engineer in Florida, North Carolina, South Carolina, Tennessee, Texas, Georgia, Alabama, Missouri, Ohio, New York, New Jersey

Pertinent Training, Skills, and Qualifications

- Electrical design
- Lighting design
- Utility negotiations
- System assessment
- Project management
- Business case development

**Experience Highlights**

Over 19 years of experience in Transportation engineering, surveying, subsurface utility locating, and utility coordination services.

Education

AS of Applied Science in Construction Technology, Suffolk County Community College

Certifications

FDOT Maintenance of Traffic

Mr. Checchia has over 19 years of experience in transportation engineering, surveying, civil design and construction related fields, the last eight years of which have been focused in Utility Coordination and Subsurface Utility Engineering. His duties are to oversee the day-to-day operations of all Subsurface Utility Engineering and Coordination projects for our firm.

Mr. Checchia is responsible for assisting clients with utility research, identification, data management and coordination. Besides having developed a strong rapport with local utilities and municipalities, his knowledge and experience in Subsurface Utility Engineering process allows him to easily recognize utility conflicts during design and construction. He has been involved on a variety of projects such as design, design build and private sector work. Mr. Checchia's understanding of the Quality Levels defined with the ASCE Guideline 38-02, "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data" enables him to manage a project from pre-design to post construction, negotiating to minimize utility impacts and suggesting and implementing cost effective timely resolutions for utility conflicts.

Mr. Checchia is fully knowledgeable with the FDOT Utility Coordination process, with eight years of involvement working on multiple types of transportation projects. His coordination philosophy is to maintain an open and productive dialogue throughout the initial investigation; detailed coordination and post design follow up. Early in his career, Mr. Checchia spent over six years with the Florida Department of Transportation (FDOT). He was a Survey Design Technician EAS Level III at FDOT District Four responsible for processing analyzing and delivering final surveys as well as reviewing consultant projects.

He was a technical delegate for FDOT District IV Survey and Mapping Advisory Committee tasked with formulating new field procedures, deliverables and compatibility with other FDOT disciplines.

SELECTED PROJECT EXPERIENCE

A1A Overhead Utility Conversion from Hillsboro Inlet to Terra Mar Drive, Pompano Beach, FL: As a sub-consultant to Power Services, Keith and Associates is providing up to 600 test holes to assist the design engineer with exposing existing utilities to assist with the design corridor and minimize potential conflicts. Quality Level "A" vacuum excavation services will be mapped and placed in a geo referenced cad file with a test hole summary report providing coordinates, depth of cover, type, size and material.

Martin Luther King Boulevard, Pompano Beach: As a Project Manager, Mr. Checchia was tasked with providing ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services to assist the design engineer on accurately identifying the existing utilities to mitigate conflicts with the proposed design.

Briny Avenue Streetscape Improvements, Pompano Beach, FL: This project involved the reconstruction of East Atlantic Boulevard from A1A to Pompano Beach Boulevard/Briny Avenue including wider sidewalks, revised parking configurations and lanes. Keith and Associates provided professional services for a design survey as well as the designation and location of subsurface utilities along Briny Avenue from the south right-of-way line of Atlantic Boulevard to the south end of Briny Avenue.

Fire Stations #24 and #61, Pompano Beach, FL: As a Project Manager, Mr. Checchia was tasked with providing ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services to assist the City of Pompano Beach Project Manager on preparing the design build documents to be released for bid.

PROJECT EXPERIENCE

S.E. 8th Court Bridge Replacement, Pompano Beach: Mr. Checchia provided utility location support for the design of the bridge. Utility designation (QL-B) and locates (QL-A) were performed to assist the design team in identifying existing utilities within the proposed footprint.

Pompano Beach Boulevard Streetscape, Pompano Beach, FL: Keith and Associates provided Quality Level "B" utility designation, Quality Level "A" utility locates and mapping services for this development of a unique beach front venue in the City of Pompano. K&A designated the above horizontal alignment of any existing known/unknown, toneable and non-toneable utilities using combination of geo physical prospecting equipment and Ground Penetrating Radar. This information was then collected and used by the design team to identify the activities of existing subsurface facilities. K&A was then requested to perform utility verifications of the facilities by using non-destructive/ non-intrusive vacuum excavation services. The Utilities we exposed and cataloged to help the design team resolved potential conflicts with proposed design improvements.

Oceanside Fire Station #11, Pompano Beach, FL: As a Project Manager, Mr. Checchia was tasked with providing ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services to assist the design engineer on accurately identifying the existing utilities to mitigate conflicts with the proposed design.

Districtwide Subsurface Utility Engineering (SUE) and Survey Utility Excavation - FDOT District IV: Mr. Checchia provided ASCE Standard Quality Level A–D Subsurface Utility Engineering services to designate, locate by excavation, survey and map existing surface and subsurface utilities to support the design of construction plans on a districtwide basis on projects selected by the District office. Services include providing the exact horizontal and vertical locations of existing underground utilities by way of electromagnetic, sonic and other geophysical location techniques including air/vacuum or other non-destructive excavation procedures.

Ravenswood Bridge Replacement, Fort Lauderdale, FL –As a sub-consultant Bolton Perez & Associates, Keith and Associates handled the Utility Coordination for this Bridge Replacement Project on Ravenswood Rd., north of Griffin Rd. Our Design ticket with Sunshine State One Call of Florida identified twelve (12) Utility Agencies and the Broward County Traffic Engineering Dept. Several Utility Meetings were conducted to clarify the construction phasing and Utility involvement. Five (5) Utility Agencies (MCI/Verizon, Buckeye Pipeline, City of Dania Beach, Level 3, and Florida Gas Transmission) had facilities in the area but were not involved in the Project and we negotiated/coordinated six (6) Non-Reimbursable Utility Work Schedules (AT&T, Comcast, FPL Distribution, FPL Transmission, FPL Fibernet, and TECO Peoples Gas). Broward County Water and Wastewater entered into a "Utility Work by Highway Contractor Agreement" for the Engineering and Design of the relocation/adjustment of the water and sanitary lines that were impacted by this bridge replacement project. Utility Certification was completed on schedule.

**Experience Highlights**

More than 25 years of experience in all aspects of Planning including community, regional, city-wide; public involvement and practice management

Education

Business Administration: Applied Management Specialty, Kaplan School of Business

Professional Registration

American Institute of Certified Planners, AICP #022684

Charrette Planner, National Charrette Institute

Watershed Manager, EPA Watershed Academy

Certifying Agent, Florida Green Building Coalition, Inc.

Professional Affiliations

*American Planning Association
– Ambassador
– Sustainability Division
– City Planning Division
– County Planning Division
– Private Practice Division*

*Florida Chapter, American Planning Association (FAPA)
– Broward Section
– Treasure Coast Section*

Palm Beach Planning Congress

Florida FEMA Task Force

State of Florida Hazard Mitigation Advisory Team

Florida Floodplain Managers Association, Founding Member, Former Chair and Region IV Director

Ms. Debbie Love, AICP, has over 25 years of experience in urban planning, community visioning, regional, city-wide and neighborhood redevelopment plans; transportation planning; preparing and administering Land Development Regulations (LDRs) and comprehensive plans; public engagement; and marketing and branding. Her expertise also includes impact fee and mobility fee administration and development. She has mastered capital improvement programming, affordable housing development and advocacy and the preparation of socio-cultural impact analyses. She is proficient in environmental impacts, planning and mitigation; floodplain management; hazard mitigation; and grant writing. Ms. Love has extensive knowledge of the requirements of Florida's Growth Management Act, including development in an Area of Critical State Concern and specializes in public involvement and project management. Ms. Love has served as Project Manager for a wide variety of planning activities, both large and small, throughout Florida.

PROJECT EXPERIENCE

Vision and Strategic Plan, Apopka, FL: Project Manager - This project was the first major public engagement process undertaken in over 60 years in the City to assist the community to create a vision for the future and identify strategies to implement that vision. The outreach program included the development of an interactive website; coordination of extensive print, radio and televised media interviews and press releases; development and implementation of a community needs survey; social media postings, including both Twitter and Facebook; and facilitation of 4 general community forums, a targeted business forum and two listening sessions were held for both the Hispanic community and the African-American community. As part of the community outreach, advertising materials were produced in both English and Spanish and translators were in attendance at all the events. Additionally, a Mobile Information Station was deployed to three locations throughout the City where attendees were encouraged to share their ideas, take the community needs survey and hear about the project. A facilitated community consensus meeting was held to bring the final plan forward for approval and vetting prior to the adoption hearing before the City Council.

Major Arterial Corridor Study, Tamarac, FL: Assisted with public outreach for major arterial roadway study that includes University Drive, SR-7, Commercial Boulevard and McNab Road. Facilitated a city-wide community workshop, creating meeting announcements and providing workshop facilitation to obtain important public input for each corridor. The study focuses on developing a vision that defines the physical, functional, aesthetic and cultural character of each corridor.

SW 157th Avenue Widening, Miami-Dade County, FL: Assisting with the public outreach for this Miami-Dade County road-widening project. Services include preparation of a Community Awareness Plan (CAP), community meeting preparation, meeting announcements/flyers, coordination and meeting facilitation.

PROJECT EXPERIENCE

Downtown Master Development and Major Corridor Plan and Design Guidelines, North Miami, FL: Principal Planner - A downtown development and major corridor master plan that includes the downtown core and major corridors. The plan implements a transient oriented, pedestrian friendly vision for the City. One of the important tasks of this project was obtaining input from the residents, business owners and stakeholders within the downtown core and along the major corridors. Facilitated two Business Community Forums held in two areas of the City. Presented data to the public and then a "listening and work session" occurred where attendees visited each of the corridor "stations" to discuss the issues with the team and mark-up aerial maps of the corridors with their thoughts, ideas and preferences. Created and administered a Stakeholder Preference Surveys for each corridor was an integral part of these public input forums.

Washington Heights Neighborhood and Urban Design Plan, Sebring CRA, Sebring, FL: Project Manager and Principal Planner for the development of a neighborhood redevelopment plan intended to preserve and celebrate the rich, cultural heritage of the community and encourage economic growth. Designed and managed the charrette and visioning exercise that identified the future desired type and style of development in the neighborhood. Served as the Plan's primary author.

Comprehensive Plan Update, Evaluation and Appraisal Report (EAR) and LDC Re-Write for Monroe County, FL: Project Manager and Principal Planner for updating Comprehensive Plan Policy and Technical Documents to the 2010-2030 planning timeframe. Due to the diversity of the various communities comprising the Keys, this project requires a Public Involvement Plan with the goal to provide a wide variety of activities to engage the public in the planning process. To date, there have been over 30 community outreach meetings

Citywide Redevelopment Master Plan, Marathon, FL: Project Manager - Conducted over 250 individual interviews and facilitated over 50 public outreach meetings, including for various focus groups. This newly incorporated city of 10,000 in the Florida Keys, sought to discover the redevelopment level and approach desired by the residents and stakeholders. The first step in the process was a week-long design charrette and various visioning exercises, which included numerous public meetings. The Master Plan included a planning approach that acknowledged the unique characteristics of the various areas of the city and sought to provide development/redevelopment strategies and concepts that not only preserved those unique aspects of place, but also encouraged appropriate levels and type of development.

Capital Improvement Program, Key Biscayne, FL: Project Manager of team that established the administrative structure for the annual CIP program. Tasks included: creating a mechanism for public input, developing CIP policy to address financial viability, crafting level of service standards, addressing community development and drafting strategic goals. Formulated evaluation criteria to determine capital spending levels and to guide capital project selection. Prepared a public facilities capacity analysis to identify the capital improvements that should be constructed to meet current and future needs through the long-range planning timeframe. Analyzed the status of previously approved projects to evaluate whether they were on schedule and on budget. Assessed the financial capacity to undertake new capital project. Evaluated funding options. Compiled, evaluated and ranked project requests. Forecasted financial programming over a five-year and ten-year timeframe.

South Miami-Dade Watershed Study and Plan, Miami-Dade County, FL: Project Planner for the development of specific implementation strategies for one of the most scientifically-based and complex planning efforts ever undertaken in Florida. The Study and Plan proactively address the impact that such population growth would have on the watershed. An extensive public involvement program included almost 90 public meetings and events. The project won the 2007 Award of Excellence from the Florida Chapter of the American Planning Association.



Experience Highlights

Over 12 years of experience in land surveying and mapping in South Florida

Education

B.S. of Land Surveying & Geomatics Engineering, Purdue University, West Lafayette, Indiana 2005

Professional Registration

Florida Professional Surveyor & Mapper, #6805 (Obtained 2010)

Professional Affiliations

BIM Smart Foundation Member

BuildingSMART Foundation Member

Florida Society of Professional Surveyors & Mappers

Certifications

Transportation Worker Identification Credential (TWIC)

Mr. Lee Powers has over 12 years of experience in land surveying and mapping in South Florida. He has worked with many local municipalities and government agencies to create and/or modernize their GIS Systems. He has also performed construction, right-of-way, control, ALTA, boundary, as-built and topographic (both acreage and coastal) surveys. He has extensive laser scanning experience with a particular emphasis on architectural modeling, historical preservation and infrastructure monitoring. He is well-versed in the scan-to-model workflow. He coordinates our BIM/VDC staff to ensure a quality and accurate model. Mr. Powers has extensive Project Management experience for large-scale projects and continuing service type contracts for both public and private sector clients. He is knowledgeable in the use of a wide range of state-of-the-art surveying equipment and associated computer technologies. He has extensive experience in field crew supervision, quality control and client relations.

PROJECT EXPERIENCE

A1A Overhead Utility Conversion from Hillsboro Inlet to Terra Mar Drive, Pompano Beach, FL: Keith and Associates is providing surveying and subsurface utility engineering during the design and construction process for this major infrastructure improvement meant to improve electric and communication utilities in the area.

Hammondville Road Boundary and Topographic Survey, Pompano Beach, FL: Keith and Associates was tasked with preparing a boundary survey of the parcel located at 731 Hammondville Road. Subsequent requests from the Pompano Beach CRA included additional survey tasks, including review of title report, sketch and description of an FPL utility easement and various sketch and legal descriptions in support of the CRA's desire to develop an office/retail tenant space with associated parking lot at a unified site comprised of three land parcels.

Hammondville Road - I-95 to Dixie Highway: Mr. Powers served as the project Surveyor on this Route Survey for the Pompano Beach CRA. This survey included recovering all existing property corners & right-of-way monumentation, locating all trees and utilities, and a detailed Topographic Survey to accompany the boundary and right-of-way determinations. This project also included a title review of every parcel within and bordering the project limits.

Federal Highway (US-1) Beautification Project, Delray Beach, FL: Mr. Powers served as the Project Surveyor for this project that includes US-1 (Federal Highway) in Delray Beach from just South of S.E. 10th Street to just North of N.E. 8th Street. This project provides the design services necessary to decrease the current three-lane configuration of US-1 (Federal Highway) through the downtown area to a two-lane roadway with additional parking, walkways and landscaping. This project required Keith and Associates to establish new control points throughout the project limits. The firm also conducted a survey of over 220 drainage structures throughout the corridor. Finished floor elevations were measured on all structures within 25 feet of the right-of-way. A Topographic Survey was required for the engineering designs. This Topographic Survey collected all surface data within the right-of-way of US-1.

S.E. 8th Court Bridge Replacement, Pompano Beach: Mr. Powers was the Project Surveyor for this design and reconstruction project including right of way and design survey, utility location and bathymetric survey for the replacement of an existing substandard municipal bridge. The specific survey work associated with this project included hydrographic, topographic and design survey associated with the proposed design of the replacement bridge and seawall, as well as as-building the required improvements upon completion of construction to provide the necessary final certification documentation to the designer.

PROJECT EXPERIENCE

City Vista, Pompano Beach, FL: Mr. Powers was responsible for providing an ALTA survey update, FPL easement survey and an elevation certificate for this mixed use, multi-family development consisting of 111 units and 7,500-SF of retail and office space.

Hillsboro Boulevard Inlet Park & Seawall: Mr. Powers served as the Project Surveyor for this project consisting of replacement of the existing seawall for the park adjacent to the Hillsboro Inlet in Pompano Beach, Florida. The project required hydrographic and topographic survey of the inlet cross-section and shoreline to facilitate the design, permitting, and replacement of the existing seawall as well as as-built surveys of existing boat slips. Because much of the project was located seaward of the Coastal Construction Control Line, the surveys were performed in accordance with the requirements of the Florida Department of Environmental Protection-Division of Beaches and Shores as set forth in Section 62B-33.0081.

Northwest CRA Boundary & Topographic Surveys: As the Project Surveyor, Mr. Powers completed Boundary and Topographic Surveys on ten parcels for the Pompano Beach CRA. Due to a lack of field evidence and historical documents, an extensive search for further evidence was conducted in the surrounding areas. After combining this additional evidence with the detailed title review, Mr. Powers was able to clarify what had been historically ambiguous boundaries in this area. These surveys also included the location of all trees and above & below ground utilities.

Pompano Beach GIS Mapping Services Pilot Project, Pompano Beach, FL: Keith and Associates was tasked to locate all water meters and valves, sanitary manholes and cleanouts, and storm drainage inlet structures and manholes with at least sub-meter grade GPS (Global Positioning System). The general limits of the project are from McNab Road (SE 15th Street) to the southerly edge of water of Lettuce Lake (just North of SE 8th Street) and from the easterly right-of-way of Federal Highway to the westerly edge of water of the Intracoastal Waterway. Mr. Powers served as Project Manager for this GIS project with over 1,550 independent data points. This data was used as a pilot program to modernize the City's current GIS system that was based on old, inaccurate as-built information.

The Wave Modern Streetcar Project, Ft. Lauderdale, FL: As a subconsultant to HDR Engineering, Inc., Keith and Associates was tasked with providing Surveying and Subsurface Utility Engineering (SUE) services for this modern streetcar in Downtown Fort Lauderdale between Northwest 6th Street and Southeast 17th Street. The system would operate 5 modern streetcars in mixed traffic along existing roadways and would utilize transit signal priority. Mr. Powers is currently serving as Project Surveyor providing project control, aerial targets, topography/DTM, aerial clearances, drainage and sanitary details, recovery of property and right-of-way monumentation, boundary surveys, and survey support for the geotechnical operations.

NE Corner of NW 6th Avenue and MLK Boulevard Plat/Replat, Pompano Beach, FL: Keith and Associates was responsible for preparing, submitting, processing and recording the required plat document. The parcel located within the Pompano Beach CRA contained approximately 2.8 acres. Mr. Powers was responsible for the boundary survey, plat preparation, processing and recordation, as well as for preparing an Access Management Plan, as required by the Broward County Land Development Code.

FDOT District 4 – Districtwide Survey Contract, Broward, Indian River, Martin, Palm Beach, and St. Lucie County, FPID 423447-4-32-01: Mr. Powers served as a Project Surveyor for this General Services Districtwide Contract. Typical project types included right-of-way recovery, stakeout of existing right-of-way, control surveys, right of way mapping, boundary surveys, topographic surveys, Digital Terrain Modeling and setting of aerial targets in support of aerial photogrammetry. This district-wide had over 81 task work orders.

PROFESSIONAL EXPERIENCE

Mr. Raj Krishnasamy, P.E., President and Principal Engineer of Tierra South Florida, Inc. (TSF), is a Florida state-registered Geotechnical Engineer with over 30 years of experience. Mr. Krishnasamy oversees the geotechnical engineering, construction materials testing, and inspection services operations. His experience consists of successfully completing over 3,000 public and private projects, over 100 utilities projects, and design-build projects totaling \$2 billion in construction costs. He serves as Project Manager for continuing contracts with over 20 Florida public agencies. He has a history of repeatedly retaining those contracts through successful, cost-effective and prompt execution of each task order. Mr. Krishnasamy's daily involvement with the in-house and field operations of the construction and geotechnical services departments provides him the "hands-on" experience and knowledge of current construction codes and construction practices throughout the State of Florida. Mr. Krishnasamy and his highly-experienced team focus on providing the client with a consistently accurate, cost-effective quality product that is delivered on time and within budget.

RELEVANT PROJECT EXPERIENCE

North Regional Waste Water Treatment Plant Expansion, Pompano Beach, Florida

Performed a geotechnical engineering study for the expansion which included a Filter structure expansion, New Distribution Pumps, and New Filter Feed Pumps and Strainers. Field work consisted of Standard Penetration Test (SPT) borings. Provided geotechnical report summarizing subsurface conditions and groundwater information. Also provided geotechnical recommendations regarding site preparation with discussion of muck/organics found during site investigation, excavations, spread foundation, floor slab, pavement design, and lateral earth pressures (active, at-rest, and passive earth pressure) for below grade structures to be utilized by the design team.

Septage Receiving Facility Improvements, Broward County Water and Wastewater Services, Pompano Beach, Florida

Performed a geotechnical engineering study. The containment structure was to house a septage receiving complete plant consisting of screening, aerated grit chamber, blowers, pumps and piping. Field work consisted of Standard Penetration Test (SPT) borings. Provided geotechnical recommendations for foundation and pavement design, soil parameters, and general site development.

Lift Station 21, Pompano Beach, Florida Performed geotechnical services for the construction of a submersible lift station with a hybrid in-line booster. Provided geotechnical discussion of subsurface and groundwater conditions. Also provided recommendations for shallow foundation design along with alternate recommendations (deep excavations, sheet piling, driven casing), and site clearing, fill/backfill placement.

Drainage Improvement - NW 21st Street and 18th Avenue, Pompano Beach, Florida

Performed a geotechnical engineering study for the design of the proposed concrete footing to support the drainage pipe. Provided geotechnical recommendations which included information on allowable bearing pressures, settlement and other pertinent criteria for the foundation design.

NE 27th Terrace Bridge Replacement, Pompano Beach, Florida Performed a supplemental geotechnical engineering study for the proposed single span bridge over the Wisteria canal. TSF reviewed the geotechnical data from a previous study provided by the City as a part of the RFP package. Field work consisted of Standard Penetration Test (SPT) boring. TSF provided geotechnical engineering recommendations regarding foundation design and site preparation/muck removal. During construction, TSF completed vibration monitoring services to monitor and record the magnitude of vibrations resulting from the sheet pile vibration operations and determine if the vibrations have an impact on adjacent structures. As part of the vibration monitoring services, TSF performed a pre- and post-construction survey to evaluate existing structure conditions prior to driving piles. Additionally, TSF performed soil testing, concrete testing on slab approaches.

RAJ KRISHNASAMY, P.E.

**PRESIDENT, PRINCIPAL
ENGINEER**

30 Years of Experience



EDUCATION

MS in Geotechnical Engineering,
University of Memphis 1995

BS in Civil Engineering, Christian
Brothers University 1987

Diploma/1984/Electronic
Engineering, Malaysian Air Force
Institute

PROFESSIONAL ORGANIZATION AND REGISTRATION

Professional Engineer: Florida,
53567

Certified OSHA Supervisor

Certified Environmental
Consultant

RELEVANT PROJECT EXPERIENCE (continued)

SW 36th Avenue Pedestrian Bridge and Path, Pompano Beach, Florida Performed geotechnical engineering study for a new pedestrian bridge over a canal along 36th Avenue and about 5,000 linear feet of sidewalk. Field work consisted of Standard Penetration Test (SPT) borings. Provided geotechnical discussion of subsurface and groundwater conditions. Also provided recommendations for site clearing/preparation, path subgrade compaction, engineering fill, bridge foundation design (including ACIP pile design criteria), and excavations.

Relocation of Taxiway Kilo, Pompano Beach Airpark, Pompano Beach, Florida Provided geotechnical engineering services for the project which involved the relocation of Taxiway Kilo by 30 feet south of the existing Taxiway. Field work consisted of Standard Penetration Test (SPT) borings and pavement cores. California Bearing Ratio (CBR) tests were also performed on the field via a Dynamic Cone Penetrometer (DCP). Provided a geotechnical report discussing the subsurface conditions, groundwater conditions at the site, and CBR/pavement core test results.

Relocation of Taxiway Kilo, Pompano Beach Airpark, Broward County, Florida Provided material testing and inspection services for the relocation of Taxiway Kilo. Services included providing engineering technician to pick-up samples for Proctor, sieve analysis, Atterberg Limit tests and organic content tests. Provided senior soil inspector during earthwork operations to test for compaction and monitor operations. Provided concrete testing during installation of lighting fixtures and provided asphalt inspections at the plant and field for compliance with FAA asphalt requirements.

Pavement Fillet Widening, Pompano Beach Airpark, Broward County, Florida Performed geotechnical engineering services for the widening of pavement fillets for aircraft movement. Field work consisted of Standard Penetration Test (SPT) borings and a pavement core. California Bearing Ratio (CBR) test was also performed on the field via a Dynamic Cone Penetrometer (DCP). Provided a geotechnical report discussing the subsurface conditions found, groundwater conditions at the site, and CBR and pavement core test results.

Sewer Main, Pompano Beach Airpark, Broward County, Florida Provided material testing services for the sewer main. TSF provided engineering technician to pick-up samples for Proctor, sieve analysis, Atterberg Limit tests and organic content tests. Also provided senior soil inspector during utility backfill operations to test for compaction and monitor operations.

Master Drainage Plan, Pompano Beach Airpark, Broward County, Florida. Performed geotechnical services for drainage improvements. Field work consisted of Standard Penetration Test (SPT) borings. Provided a geotechnical report discussing the subsurface conditions found, groundwater conditions at the site. Also provided Green-Ampt parameters.

Water Service, Pompano Beach Airpark, Broward County, Florida Provided material testing services for the project. Services included providing engineering technician to pick-up samples for Proctor, sieve analysis, Atterberg Limit tests and organic content tests. Also provided senior soil inspector during utility backfill operations to test for compaction and monitor operations

Pine Island Road-Southbound Lanes Existing 36-inch Force Main and Gas Main Evaluation, Broward County, Florida Performed a geotechnical engineering study for the Pine Island Road-Southbound lanes existing 36-inch force main and gas main evaluation. Field work included excavating 13 test pits along the existing force main alignment and 21 test pits along the existing gas main alignment. Provided the designer with options on how to install the roadway over the pipe with a potential for minimal coverage and confirmed that existing shallow subsurface soils encountered in the test pits were suitable for supporting the proposed roadway construction after proper subgrade preparation. In addition, conducted a series of laboratory tests to better classify the type of existing backfill soils.

**RAJ
KRISHNASAMY,
P.E.
PRESIDENT, PRINCIPAL
ENGINEER
30 Years of Experience
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PROFESSIONAL EXPERIENCE

Mr. Vedula, a Florida-Registered Professional Engineer, has over 21 years of experience providing engineering services for a wide variety of geotechnical projects involving foundation design, slope stability analysis, WEAP analysis and interpreting PDA reports, excavation support, and construction inspection. His extensive experience includes foundation inspections (shallow and deep foundations), soil modification (dynamic compaction, stone columns), preloading, excavations, backfilling, and post construction monitoring. Mr. Vedula has served as a principal inspector on numerous surcharging and settlement evaluations of organic laden soils assignments. His project experience includes 300+ geotechnical engineering studies for various projects types including parks, piers, shoreline stabilization, dredging, bridges, roadways, utilities, high rise buildings, schools and government facilities. Mr. Vedula has authored and co-authored papers published in national and international publications.

RELEVANT PROJECT EXPERIENCE

Lift Station #21, Pompano Beach, Florida Performed geotechnical services for the construction of a submersible lift station. Provided geotechnical discussion of subsurface and groundwater conditions. Also provided recommendations for shallow foundation design along with alternate recommendations (deep excavations, sheet piling, driven casing), and site clearing, fill/backfill placement.

Pine Island Road-Southbound Lanes Existing 36-inch Force Main and Gas Main Evaluation, Broward County, Florida Performed a geotechnical engineering study for the Pine Island Road-Southbound lanes existing 36-inch force main and gas main evaluation. Field work included excavating 13 test pits along the existing force main alignment and 21 test pits along the existing gas main alignment. Provided the designer with options on how to install the roadway over the pipe with a potential for minimal coverage and confirmed that existing shallow subsurface soils encountered in the test pits were suitable for supporting the proposed roadway construction after proper subgrade preparation. In addition, conducted a series of laboratory tests to better classify the type of existing backfill soils.

Reuse Distribution Main, Sunrise, Florida. Performed a geotechnical engineering study for the reuse main distribution improvements within Sawgrass International Corporate Park in City of Sunrise, Florida. The alignment will have one aerial crossing at NW 8th Street, and the remainder areas will likely be cut and cover. Field work included Standard Penetration Test (SPT) borings. Provided geotechnical recommendations and evaluations regarding excavation, trench backfill, lateral earth pressures, and foundation and pavement design.

Intracoastal Waterway Water Main Crossing-Horizontal Directional Drilling, Ft. Lauderdale, Florida. The project includes installing a water main crossing through the Intracoastal water along East Las Olas Boulevard in Ft. Lauderdale, Florida. The purpose of the study was to explore the subsurface conditions at the site to enable an evaluation of acceptable construction and site development considerations. Field work included Standard Penetration Test (SPT) borings. Provided geotechnical discussion of subsurface and groundwater conditions. Provided geotechnical recommendations regarding site suitability, excavations, trench backfill, lateral earth pressures and soil parameters.

Force Main Route II, North Bay Village, Florida Performed a geotechnical study for the Force Main Route II in City of North Bay Village, Florida (traversing for a length of 13,000 linear feet, along NE 80th street, NE 79th Street, Adventure Avenue, North Treasure Drive to the pump station on Galleon Street). The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of acceptable construction and site development considerations. Field work included Standard Penetration Test (SPT) borings. Provided geotechnical report summarizing subsurface conditions and groundwater information. Also provided geotechnical recommendations regarding excavations, lateral earth pressures, and other construction considerations.

KUMAR VEDULA, P.E. PRINCIPAL GEOTECHNICAL ENGINEER 21 Years of Experience



EDUCATION

MS in Geotechnical Engineering,
University of Memphis, 1995

BE in Civil Engineering, Andhra
University, 1992

PROFESSIONAL ORGANIZATION AND REGISTRATION

Professional Engineer: Florida, 54873

American Society of Civil Engineers,
Past President (Broward Branch)

RELEVANT PROJECT EXPERIENCE, (continued)

Force Main along Lochness Drive from PS No. 334 to NW 67th Avenue, Miami Lakes, Florida Performed a geotechnical engineering study for the construction of 8-inch Ductile Iron Pipe (DIP) Force Main in Loch Ness Drive from PS No. 334 to NW 67th Avenue as part of one of the first pump stations to be improved under the PSIP in the Town of Miami Lakes – Pump Station 334. Field work consisted of Standard Penetration Test (SPT) borings. Provided a report detailing information on groundwater and subsurface conditions as well as geotechnical recommendations regarding excavations, trench backfill, pavement design considerations, and lateral earth pressures (active, at-rest, and passive earth pressure).

Design-Build Services for Replacement/ Rehabilitation of 72-inch Sanitary Sewage Force Main along NW/NE 159th Street Between NW 17th Avenue and NE 10th Avenue for the 72-inch Force Main, Miami Dade County, Florida Performed a geotechnical engineering study for the proposed 72-inch force main rehab along NW 159th Street. Field work consisted of Standard Penetration Test (SPT) borings and BoreHole Permeability (BHP) tests. Provided a report detailing information on groundwater and subsurface conditions as well as geotechnical recommendations regarding excavations, trench backfill, and lateral earth pressures (active, at-rest, and passive earth pressure) to be utilized by the design team.

ADDITIONAL ABBREVIATED RELEVANT EXPERIENCE

Broward 3A WTP Dania Beach, Broward County, Florida
Taylor Lane Drainage Improvements, Dania Beach, Florida
72" Outfall Pipe Assessment, Deerfield Beach, Florida
NW 21 St Water and Sewer Replacement - Phase 1 and 2, Lauderhill, Florida
South Broward WWTP Generator Enclosure, Broward County, Florida
Nova Southeastern University Stormwater Lake & 48" Stormwater Pipe Davie, Florida
Relocation of Existing 16" Watermain, Fort Lauderdale, Florida
Emergency Sewer Repair-Oakland Park & NW 18th Ave., Oakland Park, Florida
Master Sewer Pump Station 226 - Pompano Beach, Florida
NRWWTP Facility Improvements - Phase III Broward County, Florida
North Regional Waste Water Treatment Plant Expansion, Broward County, Florida
University Drive Force Main, Plantation, Florida
UAZ 310, Fort Lauderdale, Florida
Three Islands Irrigation Reuse, Hallandale Beach, Florida
Lift Station A6, Hollywood, Florida
BCWWS Percolation and Double Ring Tests, Broward County, Florida
Pump Station 310 Relocation, Broward County, FL
Hillsboro Pines Neighborhood Improvement, Broward County, FL
Project UAZ 124, Oakland Park, FL
N Course Drive Sewer Main, Pompano Beach, FL
Sub Basin NW 1-3 - Drainage, Pompano Beach, FL
Palm Club Sewer, Lauderdale By The Sea, FL
Sub Basin NC 2-1 - Drainage, Pompano Beach, FL
Neighborhood Water & Sewer Improvement - UAZ, Broward County, FL
Drainage Improvement - NW 21st Street and 18th Avenue, Pompano Beach, FL
48-inch Force Main between Atlantic Blvd. and Lyons Rd., Broward County, FL
Lauderdale by the Sea - Drainage Improvements, Broward County, FL
North Andrews Neighborhood #4, Broward County, FL
County Line Road-Drainage, Sewer, Water, & Grading/Paving, Parkland, FL
North Andrews Bid Pack 9, Broward County, FL
North County Neighborhood Improvement BP-10, Broward County, FL

KUMAR VEDULA, P.E.

PRINCIPAL GEOTECHNICAL
ENGINEER

21 Years of Experience



WAYPOINT
ENGINEERING AND EQUIPMENT LLC



Russell C. Morrison, P.E.
President/Engineering Manager

Relevant Experience

Utilities Undergrounding Project, Palm Beach, FL — Project engineer working for Kimley-Horn and Associates with Florida Power and Light Company and the Town of Palm Beach on 10-year town-wide utilities undergrounding project. Project responsibilities include electrical facilities layout, utility easement acquisition from residential and commercial properties, property owner and condominium association liaison for utility layout and design, and contractor coordination during construction.

Florida Power and Light Distribution Facilities Engineer, Various Locations, FL — Project engineer for the design and construction of high voltage electrical distribution networks throughout south Florida. Involved in numerous projects that required the conversion of overhead electrical facilities to underground facilities. Involved in design and construction for Everglades National Park primary underground facilities installed after Hurricane Andrew destroyed all overhead powerlines in the National Park property. Design engineer for residential and commercial projects requiring high voltage electrical feeders and switch cabinets, primary laterals, pad-mounted transformers, electrical vaults, splice boxes, self-contained and CT metering. Design engineer for secondary and service laterals for services up to 2000 amps. Electrical design and contractor coordination on residential underground projects include Ballen Isles Country Club, Frenchman's Creek, PGA National, Garden Oaks, Palm Beach Gardens; Royal Pine Estates, Elysium at the Arbors, Royal Palm Beach,

Project Civil Engineer - Kimley-Horn and Associates, Inc., FL — Project engineer for land development projects requiring utility systems, including pressure and gravity fluid flow systems, stormwater management systems, pavement design, erosion control, potable water and sanitary sewer system design, roadway and parking lot design. Project retail/commercial sites include Boynton Town Center, Bethesda Memorial Hospital, Boynton Beach; CarMax Stores in Miami Lakes and Pompano Beach; Target Stores in Miami Lakes, Deerfield Beach, West Palm Beach; Commercial Boulevard Shoppes, Lauderhill; ABC Liquors, Greenacres. Numerous other smaller commercial projects from Key West to Tallahassee.

Wireless Telecommunications Facilities, Various Locations, Southeast U.S. — Project manager and engineer for design of wireless telecom sites that required electrical service up to 800 amps. Design engineer for electrical services on wireless telecom sites requiring generators and associated electrical equipment, transfer switches, and fuel sources. Coordination with power companies throughout the southeast US for routing primary and secondary power to wireless telecom sites.

Availability and Years of Experience

- % of time assigned to this project: ____%
- # of years with firm: 7
- # of years with other firms: 24

Education/Active Registration

- Bachelor of Science, Mechanical Engineering, University of Florida, 1986, Master of Engineering, University of South Florida, 1996
- Registered Professional Engineer #51567 in Florida
- Waypoint Engineering Certificate of Authorization #29673 in Florida

Pertinent Training, Skills, and Qualifications

- 30 years of experience in the electrical distribution industry, projects involved new construction and overhead to underground conversion projects.
- Design of back-up power systems, generators, fuel sources, transfer switches.



WAYPOINT
ENGINEERING AND EQUIPMENT LLC



Charles G. Nero, P.E.

Project Engineer/Project Manager

Relevant Experience

Utilities Undergrounding Project, Palm Beach, FL — Project engineer working for Kimley-Horn and Associates with Florida Power and Light Company and the Town of Palm Beach on 10-year town-wide utilities undergrounding project. Project responsibilities include electrical facilities layout, utility easement acquisition from residential and commercial properties, property owner and condominium association liaison for utility layout and design, and contractor coordination during construction.

Outside Plant Engineer - BellSouth Telecommunications, Various Locations, FL — Responsible for design of outside plant facilities; which include cable (copper, fiber), equipment (cabinets, cross-connects, terminals), facilities (hand holes, manholes, poles); either manually or by using CAD Software per BellSouth standards. Specifically engineered plans and prepared drawings for construction of new, and removal or rearrangement of existing, overhead or underground lines, cables, and conduits to obtain optimum and economical utilization of communications facilities. Selected routing of lines and equipment required for work projects. Initiated work authorization request and submitted request with drawings and documents to management for approval.

Senior Outside Plant Engineer - BellSouth Telecommunications, Various Locations, FL — Worked closely with upstream and downstream groups for project estimations, designs, bids, permits and managed construction of new building adds as required. Analyzed traffic loads, available and existing lines, and estimates or forecasts of projected traffic to determine new construction or rearrangements and removals required. Utilized a variety of systems for the processing and reporting of work activities, inventorying outside plant facilities, documentation of projects and managing various budgets to include but not limited to new construction and route maintenance. Worked closely with other carriers, local/state agencies and building owners/landlords for numerous construction projects. Prepared project timelines, prepared and tracked budgets and provided detailed weekly/monthly/yearly status reports.

Wireless telecommunications Facilities, Various Locations, Southeast U.S. — Engineering design and project management responsibilities for electrical design of cellular mobility projects that required service up to 800 amps. Design engineer for electrical services to cellular sites requiring generator, transfer switches, fuel sources as well as associated electrical equipment. Engineering design and project management responsibilities for provisioning of fiber optic infrastructure to wireless mobility sites throughout the state of Florida.

Availability and Years of Experience

- % of time assigned to this project: ____%
- # of years with firm: 2
- # of years with other firms: 29

Education/Active Registration

- Bachelor of Science, Mechanical Engineering, University of Florida, 1986,
- Registered Professional Engineer #51450 in Florida
- Waypoint Engineering Certificate of Authorization #29673 in Florida

Pertinent Training, Skills, and Qualifications

- 30 years of experience in the fiber optic telecommunications industry including engineering, design, implementation, installation through test and turn-up.
- Design of electrical systems supporting various wireless communications applications such as Macro Cell, Small Cell, iDAS, oDAS and Headend

8. References

You may ask why these clients chose Kimley-Horn out of all the top-class consulting firms they had to choose from. Chances are they'd tell you it was because we have a reputation for making them successful. We listen to their needs, meet their schedules, accomplish their missions, deliver results, and exceed expectations. You simply won't find this caliber of service anywhere else. We invite you to contact these references so that you can hear firsthand about the outstanding quality of service we routinely provide. *Below are references for past utility projects in the tri-county area (Broward, Palm Beach, and Miami-Dade counties) for Kimley-Horn and its subconsultants.*

Kimley-Horn References

Town of Palm Beach

915 Old Okeechobee Road, Suite A
West Palm Beach, FL 33401
Patricia Strayer, P.E., Town Engineer
561.838.5440
pstrayer@townofpalmbeach.com

Projects:

- Townwide Undergrounding of Utilities (ongoing 10-year program)
- Nightingale Trail/La Puerta Way Underground Utilities Conversion (ongoing)
- Lake Towers Underground Utilities Conversion (completed May 2017)

City of West Palm Beach

401 Clematis Street, 4th Floor
West Palm Beach, FL 33401
Laura Le, P.E.
Senior Project Manager
561.494.1093
lle@wpb.org

Project: On-call Continuing Services (ongoing since 2013)

City of North Miami Beach

17050 NE 19th Avenue, 1st Floor
North Miami Beach, FL 33162
Karim Rossy, Utilities Engineering Manager
305.948.2980

Project: Engineering Services Related to Project Management and Engineering Services (Completed April 2017 (design))

Town of Medley

10776 NW South River Drive
Medley, FL 33178
Jorge Corzo, P.E., Town Engineer
305.889.1915

Project: Stormwater Master Plan (completed July 2017)

Town of Jupiter

210 Military Trail
Jupiter, FL 33458
Brenda Arnold, Natural Resources Coordinator
561.746.5134
BrendaA@jupiter.fl.us

Project: Inlet Village Concept Master Plan – A1A Corridor

Subconsultant References

Brannon & Gillespie, LLC

Town of Jupiter Island

2 Bridge Road
Jupiter Island, FL 33455
Gene Rauth, Town Manager
772.545.0100
grauth@tji.martin.fl.us

Project: Undergrounding entire Town of Jupiter Island

Town of Jupiter Inlet Colony

1 Colony Drive
Jupiter Inlet Colony, FL 33469
Dan Commerford, Mayor
561.676.4532
jicolony@bellsouth.net

Project: Undergrounding entire Town of Jupiter Inlet Colony

Town of Palm Beach

360 South County Road
Palm Beach, FL 33480
Thomas Bradford, Deputy Town Manager
561.838.5410
TBradford@TownofPalmBeach.com

Project: Undergrounding neighborhood municipal projects (e.g., Worth Avenue, Via Fontana, Everglades Island)

Town of Gulf Stream

100 Sea Road
Gulf Stream, FL 33483
William H. Thrasher, Town Manager
561.276.5116
bthrasher@gulf-stream.org

Project: Undergrounding that portion of the Town of Gulf Stream east of the intracoastal Waterway

City of Hollywood

Department of Public Works
2600 Hollywood Blvd.
Hollywood, FL 33022
Moe Anuar, Engineering and Design Services
954.921.3900
manuar@hollywoodfl.org

Project: Undergrounding Hollywood Beach between Hollywood Blvd. and Sterling Road between A1A and Surf Road (27 beachfront city blocks)

Keith & Associates, Inc.

City of Pompano Beach

1201 NE 5th Avenue
Pompano Beach, FL 33060
John Sfiropoulos, City Engineer
954.786.4060
john.sfiropoulos@copbfl.com

Projects: ■ TA1A Overhead Utility Conversion
■ Briny Avenue Streetscape and Utilities

Tierra South Florida, Inc.

Craven Thompson & Associates, Inc.

3563 NW 53rd Street
Fort Lauderdale, FL 33309
Gary Tenn, P.E., Project Manager
954.739.6400
GTenn@craventhompson.com

Project: Master Lift Station 226, Pompano Beach, FL

Craven Thompson & Associates, Inc.

3563 NW 53rd Street
Fort Lauderdale, FL 33309
Patrick Gibney, P.E., Vice President, Engineering
954.739.6400
pgibney@craventhompson.com

Project: Intracoastal Waterway Water Main Crossing-Horizontal Directional Drilling, Fort Lauderdale, FL

Waypoint Engineering and Equipment LLC

Town of Palm Beach

951 Old Okeechobee Road
Suite A
West Palm Beach, FL 33401
Jay Boodheshwar, CPRP Recreation Director
561.838.5485
jboodheshwar@townofpalmbeach.com

Project: Town of Palm Beach Town-Wide Undergrounding of Utilities Program

Town of Palm Beach

Underground Utility Project Manager
951 Old Okeechobee Road
Suite A
West Palm Beach, FL 33401
Steven Stern
561.227.7077
ssstern@townofpalmbeach.com

Project: Town of Palm Beach Town-Wide Undergrounding of Utilities Program

Past Projects Performed for the City of Pompano Beach

- Pompano Complete Streets (Ongoing)
- Pompano Downtown and Martin Luther King Blvd. (Ongoing)
- Pompano Beach Airpark Continuing Services (Ongoing)
- North East Force Main Installation (completed 2003)
- Standby Diesel Engine Drive for High-Service Pump #6 (completed 2002)
- Sewer Rehabilitation of Lyons Park (2001)

9. Office Locations

Kimley-Horn Office Locations

Kimley-Horn is a full-service, multidisciplinary consulting firm with more than 3,000 employees in 84 offices in 26 states and Puerto Rico offering a full range of consulting services to local, regional, national, and international clients. In Florida alone, there are more than 600 employees in 13 offices. Additionally, many employees are former municipal engineers and planners who have been on our clients' side of the table and are familiar with local government procedures. Kimley-Horn will provide the City with a team of local professionals with relevant experience paired with our nationwide resources to ensure you have the responsiveness you expect from a local firm and the depth of resources needed to complete each and every project on time.



Primary Office for this Contract

Kimley-Horn's local Boca-Delray office will serve as the primary office responsible for the actual production of the work related to this project provide a strong local presence and maximize our local staff.

Kimley-Horn Boca-Delray Office

1615 South Congress Avenue, Suite 201
Delray Beach, FL 33445
561.330.2345

From this location, we will work diligently, encouraging open communication to keep the City of Pompano Beach informed about project activity and primary schedule achievements. We are committed to working as the City's partner, offering you the most effective level of communication to relay project issues, progress, and results that best serve your needs. *Kimley-Horn has the experience and expertise to rapidly respond to the City's needs and the ability to draw on additional statewide, as well as national resources, if necessary.*

Office Locations Kimley»Horn

UNITED STATES

Alabama

Mobile

Arizona

Mesa
Phoenix
Prescott
Tucson

California

Capitola
Fresno
Los Angeles Downtown
LA San Fernando Valley
Oakland
Orange
Pleasanton
Riverside
Sacramento
Salinas
San Diego
San Jose

Colorado

Aspen
Colorado Springs
Denver

Florida

Boca-Delray
Fort Lauderdale
Fort Myers
Jacksonville
Lakeland
Miami
Ocala
Orlando
Sarasota
Tallahassee
Tampa
Vero Beach
West Palm Beach

Georgia

Alpharetta
Atlanta
Atlanta Midtown

Illinois

Chicago Downtown
Chicago Suburban

Indiana

Indianapolis

Kentucky

Lexington

Maryland

Baltimore

Michigan¹

Troy

Minnesota

Rochester
Twin Cities

Mississippi

Ridgeland

Nevada

Las Vegas
Reno

New Jersey

Princeton

New York²

New York
White Plains

North Carolina

Charlotte
Durham
Raleigh

Ohio

Columbus

Oklahoma

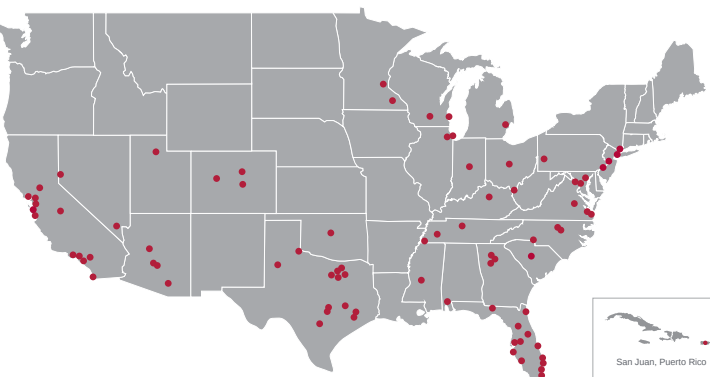
Oklahoma City

Pennsylvania

Philadelphia
Pittsburgh

South Carolina

Columbia



Tennessee

Jackson
Memphis
Nashville

Texas

Austin
Austin South
Childress
College Station
Dallas
Fort Worth
Frisco
Houston
Las Colinas
Lubbock
McKinney
San Antonio
The Woodlands

Utah

Salt Lake City

Virginia

Newport News
Northern Virginia
Richmond
Virginia Beach

Washington D.C.

West Virginia

Huntington

Wisconsin

Madison
Milwaukee

PUERTO RICO³

San Juan



Affiliated Companies

¹Kimley-Horn of Michigan, Inc.

²Kimley-Horn of New York, P.C.

³Kimley-Horn Puerto Rico, LLC

Rev. 10-25-17

Number of Employees in Each Department

Kimley-Horn has a long history of achieving successful project completion through a combination of effective project management and technical expertise. We know that when you select an engineering consultant, you are really choosing people who offer you technical expertise, extensive hands-on experience with similar projects, and a demonstrated record of quality and responsiveness that will make your project a success. Kimley-Horn's culture is structured to hire and retain highly motivated employees who exude pride and enthusiasm for Kimley-Horn and the services we provide.

PERSONNEL BY DISCIPLINE					
225	Administrative	2	Ecologists	41	Graphic Designers
1	Biologists	14	Electrical Engineers	12	Hydrologists
110	CADD Technicians	22	Environmental Engineers	15	Land Surveyors
1012	Civil Engineers	7	Environmental Planners	110	Landscape Architects
40	Communications Engineers	22	Environmental Scientists	9	Mechanical Engineers
2	Computer Programmers	1	Forensic Engineers	66	Planners: Urban/Regional
14	Construction Inspectors	3	Geographic Information System Specialists	169	Project Managers
79	Design Technicians	4	Geologists	61	Structural Engineers
					3081 TOTAL
262	Technical Support				
100	Technical Writers				
363	Technician/Analysts				
277	Transportation Engineers				
38	Water Resources Engineers				

Location of the Firm and Proximity of Key Personnel

We know that a strong commitment to client satisfaction must be the foundation of our service to you. We will be serving you from our Boca-Delray office, which is just short drive from the City's offices and we have the in-house resources of a large team of local experts so we can respond quickly to your questions and concerns. We have assembled a team consisting of in-house experts and key subconsultants to assist us in various specialty areas. *All of our team members will be available to you on short notice to help you with whatever engineering challenges you may encounter.*

We have a history of successfully serving municipal clients and have a good understanding of the challenges this project presents. We have assembled a team that will work effectively with your residents, elected officials and staff. Our comprehensive understanding of the undergrounding process enhances our ability to accurately predict both positive and negative impacts and reduces the amount of time that your staff must spend managing your selected consultant.

Subconsultants

All of our subconsultants are located within Broward and Palm Beach counties.

Broward County, FL

Keith & Associates, Inc.

301 East Atlantic Boulevard
Pompano Beach, FL 33060
954.788.3400
Number of staff: 81

Palm Beach County, FL

Brannon & Gillespie, LLC

631 US Highway 1, Suite 301
North Palm Beach, FL 33408
561.847.4435
Number of staff: 2

Tierra South Florida, Inc.

2765 Vista Parkway, Suite 10
West Palm Beach, FL 33411
561.635.7677
Number of staff: 49

Waypoint Engineering and Equipment LLC

820 W. Indiantown Road, Suite 105
Jupiter, FL 33458
561.252.1220
Number of staff: 49

Approach to Maintaining Good Communication

The Kimley-Horn team is highly experienced in managing large and small-scale projects that demand close coordination among multiple team members. Like you, all of our clients expect a high level of responsiveness, communication, and quality. These high standards have been ingrained in our staff by virtue of our continued service to clients such similar to the City of Pompano Beach and many other South Florida municipalities that must adhere to demanding schedules, a strict quality assurance program, and open lines of communication.

Our experience has shown that there really is no such thing as “over-communication” between the client and the design team. For this reason, we recommend use of the following communications protocol, which we have employed successfully on numerous projects:

- Conference calls between the design team (with City participation, as needed) to discuss progress, schedule, and design issues
- Submission of weekly progress reports summarizing, at a minimum, the following information:
 - Work completed over the past week
 - Work to be completed in the upcoming week
 - Milestone list, with anticipated and actual dates of completion
- Regular progress meetings to discuss and resolve action items to keep the project moving forward

For this program, we have prepared a detailed project approach that describes our plan to execute the undergrounding program from start to finish. *Please refer to Section 2 for a detailed description of Kimley-Horn’s technical approach.*

We always make sure that we understand how the client prefers to be communicated with concerning the project as well. Whether it be written progress reports, phone conversations, face-to-face meetings, emails, or otherwise, we strive to tailor our communication methods and services to meet the needs of the individual we are serving.

10. Litigation Within the Past Five Years

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. It is not practical to provide a complete list as part of this proposal. 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.

The cases litigated in Florida in the last five years are as follows:

Renee Borak and Fred Borak v. Simon Property Group, Inc., et al: 15th Judicial Circuit Court, Palm Beach County; Case No. 16-CA-1148; filed 2016; personal injury claim; settled; closed 2016.

Mark E. Callahan and Marisa Callahan v. Gator Delray, LC, et al: 15th Judicial Circuit Court, Palm Beach County; Case No. 2015CA00230; filed 2015; personal injury claim; Kimley-Horn dismissed; closed 2016.

Castle Brook Developers, Inc. and Cogdill Builders, Inc. v. GGI, Ltd., et al: 4th Judicial Circuit Court, Clay County; Case No. 2008-CA-000239; filed 2008; alleged economic loss; settled; closed 2013.

Chalks Airline, Inc. v. Linden Airport Services Corp., et al: United States District Court for the Southern District of Florida; Case No. 15-CV-24322-UNGARO/OTAZO-REYES; filed 2015; alleged economic loss; case dismissed; closed 2016.

Kathleen Conti v. Simon Property Group, Inc., et al: 15th Judicial Circuit Court Palm Beach County; Case No. 502017CA008616XXXXMB Division: AE; filed 2017; personal injury claim; pending.

Eden Roc LLLP v. Kimley-Horn and Associates, Inc. and Walter M. Lugo, P.E.: 11th Judicial Circuit Court, Miami-Dade County; Case No. 11-26887 CA 27; filed 2011; property damage claim; settled; closed 2012.

Walter Ford and Grace Ford v. EC Manatee LLC, D/B/A Manatee Island Bar & Grill, et. al.: 19th Judicial Circuit Court, Martin County; Case No. 13 1536CA; filed 2014; personal injury claim; settled; closed 2015.

Efrain Gamarra, as Personal Representative of the Estate of Maria Gamarra, Deceased v. Gibraltar Cable Barrier Systems, L.P., et al: 15th Judicial Circuit Court, Palm Beach County; Case No. 50-2008-CA-027405; filed 2008; traffic accident, wrongful death claim; settled; closed 2012.

Laurie J. Mullen, as Personal Representative De Son Tort, of the Estate of Kimberly Jean Haro, Deceased v. Alejandro M. Martian Mesa, Patco Transport, Inc., et al: 13th Judicial Circuit Court, Hillsborough County; Case No. 06-001608; filed 2006; traffic accident, wrongful death claim; settled; closed 2012.

Solange Keogh v. The Home Depot USA Inc et al: United States District Court for the Southern District of Florida; Case No. 13-CV-61492; filed 2014; personal injury claim; Kimley-Horn dismissed; closed 2014.

Glenda Fuller, as Personal Representative of the Estate of Dana King, Deceased, et al v. Bluegreen Resorts Management, Inc. and Kimley-Horn and Associates, Inc.: 9th Judicial Circuit Court, Orange County; Case No. 11-CA-10865-0; filed 2011; traffic accident, wrongful death claim; settled; closed 2014.

Richard and Elisa Lacasse v. Wal-Mart Stores, Inc., et al: 20th Judicial Circuit Court, Collier County; Case No. 1100710CA; filed 2011; bicycle accident, personal injury claim; settled; closed 2012.

Lunacon Engineering Group, Corp d/b/a Lunacon Construction Group, Corp v. City of Homestead v. Kimley-Horn and Associates, Inc., et al: 11th Judicial Circuit Court Miami-Dade County, Case No. 2017-000561-CA-01; filed 2017; alleged economic loss; pending.

Sema Construction, Inc. v. City of Altamonte Springs; 18th Judicial Circuit Court, Seminole County; Case No. 2015-CA-002951-15-W; filed 2016; alleged economic loss; pending.

J. J. Sosa & Associates, Inc. v. Francisco Semsch Architect, Inc., et al; 13th Judicial Circuit Court, Hillsborough County; Case No. 12013373; filed 2012; alleged economic loss; settled, closed 2015.

Prime Properties International, LLC v. Kimley-Horn and Associates, Inc.; 10th Judicial Circuit Court, Polk County; Case No. 2017CA-002127; filed 2017; alleged economic loss; pending.

Sunset Beach Investments, LLC v. Kimley-Horn and Associates, Inc.; 19th Judicial Circuit Court, St. Lucie County; Case No. 562013CA000383; filed 2013; alleged economic loss; pending.

Terracap BR Partners, L.P., et al v. Kimley-Horn and Associates, Inc., et al; 12th Judicial Circuit Court, Sarasota County; Case No. 2013-CA-003435-NC; filed 2013; alleged economic loss, mediated settlement; closed 2014.

Stacey Vasquez, a/k/a Stacey Leigh Gimson, as Personal Representative of the Estate of Frank Vasquez, III, v. Matthew J. West, et al; 13th Judicial Circuit Court, Hillsborough County; Case no. 15-CA-006839; filed 2015; traffic accident, wrongful death claim; settled; closed 2017.

Joan Weinstein v. Simon Property Group LP and The Town Center at Boca Raton Trust; 15th Judicial Circuit, Palm Beach County; Case No. 502016CA003199XXXMB AG; filed 2016; personal injury claim; pending.

Deontra Williams v. Florida Department of Transportation., et al; 17th Judicial Circuit Court, Broward County; Case No. CACE-13-009427(05); filed 2015; bicycle accident, personal injuries claimed; settled; closed 2017.

Wind Condominium Association, Inc. v. Neo Epoch 2, LLC, et al; 11th Judicial Circuit Court, Miami-Dade County; Case No. 13-31787CA21; filed 2013; alleged economic loss, settled; closed 2016.

[illegible]



State of Florida
*Minority, Women &
Service-Disabled Veteran*
Business Certification

Tierra South Florida, Inc.

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

November 30, 2015 to November 30, 2017

Torey Alston, Executive Director

*Florida Department of Management Services
Office of Supplier Diversity*

[illegible]

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

PROJECT TEAM

RLI NUMBER _____

Federal I.D.# _____

PRIME

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

SUB-CONSULTANT

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

(use attachments if necessary)



Kimley-Horn and Associates, Inc.

Hourly Rate Schedule

Classification	<i>Rate</i>
Project Manager	\$196
Principal Engineer	\$266
Chief Engineer	\$253
Sr. Engineer / Sr. Tech Advisor	\$198
Sr. Prof. Engineer/Sr. LA	\$163
Reg. Prof. Engineer	\$141
Engineer Intern	\$113
LA Intern	\$96
Sr. Analyst	\$104
Analyst	\$95
Sr. Scientist	\$217
Scientist	\$141
GIS Specialist	\$132
Sr. Designer	\$139
Sr. Project Specialist	\$151
Specialist/ Field Tech.	\$111
Admin/Tech.	\$96

Effective through June 30, 2018

Subject to annual adjustment thereafter

Waypoint Engineering and Equipment, LLC

Hourly Rate

Classification	<i>Rate</i>
Principal	\$147

Brannon & Gillespie, LLC

Hourly Rate

Classification	<i>Rate</i>
Principal	\$275

EXHIBIT A PROFESSIONAL SERVICE FEE SCHEDULE

	Hourly Rate
01 Administrative Assistant.....	\$50.00
11 Technician.....	\$80.00
15 Senior Technician	\$90.00
30 Associate Planner	\$90.00
32 Senior Planner (AICP)	\$125.00
33 Landscape Designer	\$80.00
34 Senior Landscape Designer.....	\$100.00
35 Landscape Architect (RLA)	\$125.00
36 ISA Certified Arborist	\$125.00
50 Project Engineer	\$100.00
51 Senior Project Engineer	\$115.00
52 Professional Engineer (PE).....	\$125.00
53 Field Representative.....	\$75.00
54 Sr Field Representative	\$90.00
60 Project Manager.....	\$125.00
61 Senior Project Manager	\$160.00
70 Principal	\$190.00
72 Expert Witness Testimony	\$250.00
76 BIM Modeler.....	\$110.00
77 GIS Specialist	\$100.00
78 Project Surveyor	\$95.00
79 Senior Project Surveyor.....	\$110.00
80 Professional Surveyor & Mapper (PSM).....	\$120.00
81 Survey Party (2) Person.....	\$110.00
82 Survey Party (3) Person.....	\$130.00
83 Survey Laser Scanning.....	\$250.00
90 Utility Crew Supervisor.....	\$70.00
91 Utility Locating Technician	\$60.00
92 Utility Project Manager.....	\$100.00
93 Utility Project Engineer.....	\$125.00
95 Utility Field Technician	\$40.00
96 Utility Designating/GPR	\$200.00
97 Vacuum Excavation Test Hole (Pervious Surface)	\$350.00/Each
98 Vacuum Excavation Test Hole (Impervious Surface)	\$475.00/Each

Effective 01/01/2015



SCHEDULE OF FEES AND SERVICES

Fiscal Year 2018/2019

NOTE: The intent of the contract is to include all labor, materials, transportation, set-up, fuel, equipment, and other items necessary to complete the item of work. All items incidental to or necessary for the completion of the item shall be included in the price.

I. SOIL TESTING

1. Field Density Test (five [5] minimum).....	\$30.00/test
2. Proctors	\$100.00/test
3. Florida Bearing Value Test.....	\$45.00/test
4. Limerock Bearing Ratio Test.....	\$300.00/test
5. Atterberg Limit Test.....	\$80.00/test
6. Carbonate Content Test.....	\$100.00/test
7. Organic Content Test.....	\$50.00/test
8. Corrosion Series	\$190.00/test
9. Soil Observation (On Site)	\$60.00/hr.
10. Natural Sample Moisture Content.....	\$20.00/test
11. Unit Weight and Moisture Content (Undisturbed Sample).....	\$50.00/test

II. CONCRETE & MASONRY MATERIALS

1. Concrete Compression test (Min. four [4] cylinders per trip) - Prepare cylinders & slump test on site, and deliver to lab.....	\$150.00/set
2. Additional Concrete cylinders.....	\$18.00/cyl.
3. Concrete Compression test only [delivered to lab].....	\$18.00/cyl.
4. Slump test.....	\$18.00/ea.
5. Air Content Test.....	\$25.00/ea.
6. Stand-by.....	\$65.00/hr.
7. Grout Prism (Six [6] per set) - Includes preparation of Prism on site.....	\$80.00/set
8. 2" x 2" Mortar Cubes (Six [6] per set) - Includes preparation of Cubes on site.....	\$80.00/set
9. Additional Mortar cubes.....	\$18.00/ea.
10. Masonry Units	
A. Compressive Strength.....	\$80.00/unit
B. Absorption.....	\$50.00/unit
11. Concrete Cores (Min. 3); - Secure, trim & test	\$80.00/core
- Testing of core [delivered to lab (Incl. Trim)].....	\$50.00/core
12. Swiss Hammer Testing.....	\$65.00/hr.
13. Windsor Probe Test (Min. 3 shots).....	\$150.00/test
14. Additional Windsor Probe Tests.....	\$100.00/test

III. AGGREGATE TESTING

1. Grain size determination:	
A. Full grain size (8 sieves).....	\$75.00/test
B. Wash through (#200).....	\$45.00/test
2. Sieve Analysis – Course Aggregate.....	\$45.00/test
3. Specific Gravity & Absorption of Fine or Coarse Aggregate.....	\$70.00/test

** 2 technicians @ \$65/hr. involves access, carrying equipment, setup & etc.