



Florida's Warmest Welcome

**CITY OF POMPANO BEACH
REQUEST FOR QUALIFICATIONS
P-53-18**

**Planning and Design Services for Four Streetscape
Improvements Projects**

MANDATORY PRE-SUBMITTAL MEETING:

October 11, 2018, 1:00 P.M.

DEVELOPMENT SERVICES

CONFERENCE ROOM

100 W. ATLANTIC BLVD., 3RD FLOOR

RFQ OPENING: October 30, 2018, 2:00 P.M.

PURCHASING OFFICE

1190 N.E. 3RD AVENUE, BUILDING C (Front)

POMPANO BEACH, FLORIDA 33060

September 17, 2018

CITY OF POMPANO BEACH, FLORIDA
REQUEST FOR QUALIFICATIONS (RFQ)
P-53-18

Planning and Design Services for Four Streetscape Improvements Projects

Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach invites professional firms to submit qualifications and experience for consideration to provide engineering, architecture and landscape architectural services to the City for four Streetscape improvement projects:

The City will receive sealed proposals until **2:00 p.m. (local), October 30, 2018**. 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 the names of the proposers will be read aloud.

Mandatory Pre-Submittal Meeting

There will be a mandatory pre-submittal meeting to review the City's expectations for the project, including backgrounds and scopes, and answer questions from potential proposers on **October 11, 2018, beginning at 1:00 p.m.** in the Development Services Conference Room, 100 West Atlantic Blvd., 3rd Floor, Pompano Beach, Florida, 33060. **Proposals will not be accepted from firms that do not attend the pre-proposal conference.**

1. Scope Of Services

- The City intends to issue a contract(s) to one or more professional engineering, architecture, and/or landscape architecture firm(s) to provide professional consulting services to the City for the design, bidding, and construction phase services for the following four streetscape projects:
- 1 – SR A1A Improvements (estimated design fees \$1,500,000 including CEI, max.)
- 2 – McNab Road Improvements (estimated design fees \$400k, max.). **Note:** The selected consultant will be required to work with another consultant the City plans to retain to address proposed improvements to the McNab Road bridge.
- 3 – Dr. Martin Luther King Jr., Boulevard Improvements (estimated design fees \$450k including CEI, max.). **Note:** This project was previously designed and

permitted in 2013 and consultant will assist to confirm all permits are still valid. If necessary, consultant will help modify anything that requires updating to meet current codes.

- 4 – NE 33rd Street Improvements (estimated design fees \$150k, max.)

The City intends to short-list a minimum of one (1) and a maximum of three (3) firms. The number one ranked firm would be eligible for projects 1 and 2. The number two firm would be eligible for projects 3 and 4. Awards will be based on negotiated terms. Should the City be unable to come to terms with the number one ranked firm, then the City may choose to start negotiations with the number two firm. Should the City be unable to come to terms with the number two firm, the City may choose to negotiate with the number three firm. If the City is unable to come to terms with any of the short-listed firms, the City reserves the right to re-advertise and seek new applicants.

Each street in the localized project areas may receive roadway improvements; water, sewer, and drainage improvements; signing and pavement markings; new landscaping and irrigation, new and/or upgraded sidewalks; hardening and/or overhead utility to conversion (undergrounding); and, new lighting. Other improvements may also be necessary and may be determined during the design process.

The Scope of Services may include, but is not limited, to the following:

- Prepare preliminary design reports, project schedules, feasibility analyses, site plans and/or design alternative recommendations and preliminary cost estimates. Identify any design restrictions resulting from lack of right-of-way or unusual roadway configurations. Confirm right-of-way availability to complete designs in accordance with desirable roadway cross-sections.
- Identify any tests that may be necessary to carry out a sound design including soils, concrete strength, permeability/percolation, density, pot holing, etc.
- Prepare a detailed cost estimate at the 30%, 60% and 90% design intervals to confirm initial budget allocations and/or to seek City's advice before proceeding with final designs. The firm will be responsible for cost controls throughout the design and construction project except for design and construction elements added or deleted by an expressed City directive.
- Conduct presentations to elected officials, advisory boards, staff, and the public.
- Prepare all required bidding and construction documents for the projects. This will include preparing surveys, design plans, supplementary contract requirements, technical specifications, cost estimates, responses to requests for Information (RFIs).
- Prepare plans for review and approval by Development Review Committee (DRC); Planning and Zoning (P&Z); Architectural Appearance Committee (AAC); City's Building Department; Broward County Traffic Engineering; Broward County Water Resources; Florida Department of Health (HRS); Florida Department of Environmental Protection (FDEP); Florida Department of Transportation (FDOT);

and/or, any other government agency or City Department having jurisdiction or requiring plan review and approval.

- Attendance at City Commission, Advisory Committee meetings, pre-design, design, bidding and bid award meetings will be required.

Firms and/or any subconsultants must have previous experience in infrastructure projects, and must be licensed to practice Professional Engineering, Architecture, Landscape Architecture, Electrical Engineering, and Irrigation in the State of Florida.

PERMITTING/CONSTRUCTION ADMINISTRATION

Selected firm shall be responsible for all aspects of permitting and approvals except for specific requirements affecting the contractor(s). This section refers to preparation of permit applications and necessary plans (whether paper or electronic submittals), minimum number of site inspections, close-outs, construction progress meetings, change order's review, as-built plans, etc., as it may be deemed necessary for final project certification. The City, at its sole discretion, may choose to issue a contract for Construction Administration Services or carry out said activities with in-house Staff (i.e., own inspection services, etc.).

Firms must have previous municipal experience.

2. Tasks/Deliverables

Firms will provide plans at various intervals (30-60-90%) for City staff review. Firms will prepare 100% construction plans. Firms will assist during the permitting process and ensure RFIs are addressed in a timely fashion. Firms will provide onsite supervision on an as needed basis and as required for final project certification.

Tasks for Planning and Design for all Streetscape Improvements

SECTION 0001. Roadway

- 1.1 Prepare detailed designs for the cleaning and grubbing for the removal and replacement of existing sidewalk, curb and gutter, vegetation, pipes (limited) and drainage structures (limited.), maintenance of traffic plans (MOT),
- 1.2 Roadway work to include milling and resurfacing based upon Geotech Reporting. The City, at its sole discretion, may elect to re-build a roadway(s) if the Geotechnical report identifies structural deficiencies that may warrant reconstruction.
- 1.3 Provide design for new drainage system to consist of curb inlets/catch basins, pipes, and exfiltration trenches.

SECTION 0002 - WATER, SEWER AND RECLAIMED WATER UTILITY IMPROVEMENTS

- 2.1 Design water, sewer and reclaimed water system improvements based upon information to be provided by the City Utilities. Design will require extensive coordination with Public Works, Utilities, Planning and Zoning (landscape) Departments' Staff.

SECTION 0003 - SIGNING AND MARKING

- 3.1 Design Signing and Marking for project area in full compliance with the Manual on Uniform Traffic Control; Devices (MUTCD) and/or Broward County Traffic Engineering and/or Florida Department of Transportation.

SECTION 0004 - LANDSCAPING AND STREETSCAPING

- 4.1 Prepare design for typical concrete sidewalks with planting bed pits with no special concrete sidewalk treatments or special edge/curbs or tree grates. The City, at its sole discretion, may elect to include treatments and/or tree grates depending on site conditions, width of sidewalks, ADA accessibility, etc. Design will require extensive coordination with Public Works, Nursery, Utilities, Planning and Zoning (landscape) Departments' Staff.
- 4.2 Prepare landscape design for medium size flowering street trees or medium end palms with combination of native/non-native plantings dependent on irrigation system. Important consideration will be given to future maintenance. Design will require extensive coordination with Public Works, Nursery, Utilities, Planning and Zoning (landscape) Departments' Staff. Other departments and/or government agencies may be involved in the review and selection process as well. Landscape architect, urban forester, and/or other qualified and licensed individual(s) will be required to select and tag trees and/or palms.

SECTION 0005 - LIGHTING

- 5.1 Design street lighting plan including the retention of existing street lighting with limited additional decorative lighting. Design will require extensive coordination with Public Works, Utilities, Planning and Zoning (landscape) Departments' Staff. In addition, firm may be tasked to coordinate any overhead conversion efforts and may be required to act as liaison to the Florida Power and Light, AT&T, Comcast and/or any other Public Services provider. This may include securing easements (if necessary), coordinating and attending design/field meetings, supervising and/or assisting contractor(s) during construction, etc.

SECTION 0006 – PERMITTING/CONSTRUCTION ADMINISTRATION

6.1 Selected firm shall be responsible for all aspects of permitting and approvals except for specific requirements affecting the contractor(s). This section refers to preparation of permit applications and necessary plans (whether paper or electronic submittals), minimum number of site inspections, close-outs, construction progress meetings, change order's review, as-built plans, etc., as it may be deemed necessary for final project certification. The City, at its sole

discretion, may choose to issue a contract for Construction Administration Services or carry out said activities with in-house Staff (i.e., own inspection services, etc.).

3. **Local Business Program**

On March 13, 2018, the City Commission approved Ordinance 2018-112, establishing a Local Business Program, a policy to increase the participation of City of Pompano Beach businesses in the City's procurement process.

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

1. **TIER 1 LOCAL VENDOR.** POMPANO BEACH BUSINESS EMPLOYING POMPANO BEACH RESIDENTS. A business entity which has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least ten percent who are residents of the City of Pompano Beach or includes subcontracting commitments to Local Vendors Subcontractors for at least ten percent of the contract value. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the City of Pompano Beach for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.
2. **TIER 2 LOCAL VENDOR.** BROWARD COUNTY BUSINESS EMPLOYING POMPANO BEACH RESIDENTS OR UTILIZING LOCAL VENDOR SUBCONTRACTORS. A business entity which has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach or includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the respective Broward County municipality for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.
3. **LOCAL VENDOR SUBCONTRACTOR.** POMPANO BEACH BUSINESS. A business entity which has maintained a permanent place of business within the city limits of the City of Pompano Beach. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must

have a current business tax receipt from the City of Pompano Beach for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.

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

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

The required goal for this RFQ is 10% for Local Vendor.

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

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

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

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

1. For evaluation purposes, the Tier 1 and Tier 2 businesses shall be a criterion for award in this Request for Proposal (RFP). No business may qualify for more than one tier level.
2. For evaluation purposes, local vendors shall receive the following preferences:
 - a. Tier 1 business as defined by this subsection shall be granted a preference in the amount of five percent of total score.

b. Tier 2 business as defined by this subsection shall be granted a preference in the amount of two and one-half percent of total score.

3. It is the responsibility of the awarded vendor/contractor to comply with all Tier 1&2 guidelines. The awarded vendor/contractor must ensure that all requirements are met before execution of a contract.

4. 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 5 or more 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.

Local Businesses:

Completed Local Business program forms, Exhibits A-D.

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.

Litigation:

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

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.

5. Insurance Requirements

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.

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

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

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

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

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

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

B. Liability Insurance.

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

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

Type of Insurance	Limits of Liability
GENERAL LIABILITY:	Minimum \$1,000,000 Per Occurrence and \$2,000,000 Per Aggregate
* Policy to be written on a claims incurred basis	
XX comprehensive form	bodily injury and property damage
XX premises - operations	bodily injury and property damage
— explosion & collapse hazard	
— underground hazard	
XX products/completed operations hazard	bodily injury and property damage combined
XX contractual insurance	bodily injury and property damage combined
XX broad form property damage	bodily injury and property damage combined
XX independent contractors	personal injury
XX personal injury	
— sexual abuse/molestation	Minimum \$1,000,000 Per Occurrence and Aggregate
— liquor legal liability	Minimum \$1,000,000 Per Occurrence and Aggregate

AUTOMOBILE LIABILITY:	Minimum \$1,000,000 Per Occurrence and Aggregate. Bodily injury (each person) bodily injury (each accident), Property damage, bodily injury and property damage combined.
XX comprehensive form	
XX owned	
XX hired	
XX non-owned	

REAL & PERSONAL PROPERTY

___ comprehensive form Agent must show proof they have this coverage.

EXCESS LIABILITY

Per Occurrence Aggregate

___ other than umbrella bodily injury and
property damage
combined \$1,000,000 \$1,000,000

PROFESSIONAL LIABILITY

Per Occurrence Aggregate

XX * Policy to be written on a claims made basis \$1,000,000 \$1,000,000

(3) If Professional Liability insurance is required, Contractor agrees the indemnification and hold harmless provisions set forth in the Agreement shall survive the termination or expiration of the Agreement for a period of four (4) years unless terminated sooner by the applicable statute of limitations.

CYBER LIABILITY

Per Occurrence Aggregate

___ * Policy to be written on a claims made basis \$1,000,000 \$1,000,000

___ Network Security / Privacy Liability

___ Breach Response / Notification Sublimit (minimum limit of 50% of policy aggregate)

___ Technology Products E&O - \$1,000,000 (only applicable for vendors supplying technology related services and or products)

___ Coverage shall be maintained in effect during the period of the Agreement and for not less than four (4) years after termination/ completion of the Agreement.

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

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

- (1) Certificates of Insurance evidencing the required coverage;
- (2) Names and addresses of companies providing coverage;
- (3) Effective and expiration dates of policies; and

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

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

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

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.

6. 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	0-40
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	0-30
3. 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	0-25
4. Minority/Small Business Is the firm a certified minority business enterprise as defined by the Florida Small and Minority Business Assistance Act of 1985? (include sub-consultants)	0-5
Total	0-100

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

NOTE:

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

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

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

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

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

7. 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.

8. Right to Audit

Contractor's records which shall include but not be limited to accounting records, written policies and procedures, computer records, disks and software, videos, photographs, subcontract files (including proposals of successful and unsuccessful bidders), originals estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this contract (all the foregoing hereinafter referred to as "records") shall be open to inspection and subject to audit and/or

reproduction, during normal working hours, by Owner's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the contractor or any of his payees pursuant to the execution of the contract. Such records subject to examination shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this contract.

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

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

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

9. Retention of Records and Right to Access

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

- a. Keep and maintain public records required by the City in order to perform the service;
- b. 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;
- c. Ensure that public records that are exempt or that are confidential and exempt from public record requirements are not disclosed except as authorized by law;
- d. 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
- e. 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.

10. 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.

11. 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.

12. 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.

13. 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.

14. Contract Terms

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

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

15. 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.

16. Survivorship Rights

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

17. Termination

The contract resulting from this RFQ 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 RFQ 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.

18. Manner of Performance

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

19. Acceptance Period

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

20. RFQ 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 RFQ 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 RFQ. Failure to do so may result in disqualification of the proposal.

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

21. Standard Provisions**a. Governing Law**

Any agreement resulting from this RFQ 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.

b. 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.

c. 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.

d. 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.

e. 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.

f. 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.

g. 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 RFQ. Ignorance on the part of the firm will in no way relieve the firm from responsibility.

h. 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.

i. 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.

j. 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.

k. Public Records

1. 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:
 - a. Keep and maintain public records required by the City in order to perform the service;
 - b. 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;
 - c. 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
 - d. 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.

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

PUBLIC RECORDS CUSTODIAN

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

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

22. Questions and Communication

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

23. 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 RFQ 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 RFQ solicitation in the eBid System.

24. 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 ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RLI IN THE EBID SYSTEM.

PROJECT TEAM

RFQ 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.

Would you select/recommend this contractor again? _____ Yes _____ No

Please attach any supporting documents to this report to substantiate the ratings that have been provided.

Ratings completed by (print name)	Ratings completed by signature	Date
Department Head (print name)	Department Head Signature	Date
Vendor Representative (print name)	Contractor Representative Signature	Date

Comments, corrective actions etc., use additional page if necessary:

[illegible]

City of Pompano Beach Florida

Local Business Subcontractor Utilization Report

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

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

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

Contractor Name – Authorized Personnel (print) ⁽²²⁾	Contractor Name – Authorized Personnel (sign) ⁽²³⁾	Title ⁽²⁴⁾	Date ⁽²⁵⁾
--	---	-----------------------	----------------------

Local Business Subcontractor Utilization Report Instructions

- Box (1) Project Name** – Enter the entire name of the project.
- Box (2) Contract Number (work order)** – Enter the contract number and the work order number, if applicable (i.e., 4600001234, and if work order contract include work order number – 4600000568 WO 01).
- Box (3) Report Number** - Enter the Local Business Subcontractor Utilization Report number. Reports must be in a numerical series (i.e., 1, 2, 3).
- Box (4) Reporting Period** - Enter the beginning and end dates this report covers (i.e., 10/01/2016 – 11/01/2016).
- Box (5) Local Contract Goal** - Enter the Local Contract Goal percentage on entire contract.
- Box (6) Contract Completion Date** - Enter the expiration date of the contract, (not work the order).
- Box (7) Contractor Name** - Enter the complete legal business name of the Prime Contractor.
- Box (8) Contractor Telephone Number** - Enter the telephone number of the Prime Contractor.
- Box (9) Contractor Email Address** - Enter the email address of the Prime Contractor.
- Box (10) Contractor Street Address** – Enter the mailing address of the Prime Contractor.
- Box (11) Project Manager Name** - Enter the name of the Project Manager for the Prime Contractor on the project.
- Box (12) Project Manager Telephone Number** – Enter the direct telephone number of the Prime Contractor's Project Manager.
- Box (13) Project Manager Email Address** – Enter the email address of the Prime Contractor's Project Manager.
- Box (14) Federal Identification Number** – Enter the federal identification number of the Local Subcontractor(s).
- Box (15) Local Subcontractor Business Name** – Enter the complete legal business name of the Local Subcontractor(s).
- Box (16) Description of Work** – Enter the type of work being performed by the Local Subcontractor(s) (i.e., electrical services).
- Box (17) Project Amount** – Enter the dollar amount allocated to the Local Subcontractor(s) for the entire project (i.e., amount in the subcontract agreement).
- Box (18) Amount Paid this Reporting Period** – Enter the total amount paid to the Local Subcontractor(s) during the reporting period.

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

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

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

RFQ Number & Title: _____

Prime Contractor's Name: _____

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

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

RFQ Number _____

TO: _____
 (Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

_____ an individual

_____ a corporation

_____ a partnership

_____ a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

 (Date)

 (Name of Local Business Contractor)

 (address)

 (address City, State Zip Code)

BY: _____
 (Name)

EXHIBIT C
LOCAL BUSINESS UNAVAILABILITY FORM

RFQ # _____

I, _____
 (Name and Title)

of _____, certify that on the _____ day of

_____, I invited the following LOCAL BUSINESSES to bid work
 (Month) (Year)

items to be performed in the City of Pompano Beach.

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

Said Local Businesses:

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

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

EXHIBIT D
GOOD FAITH EFFORT REPORT
LOCAL BUSINESS PARTICIPATION

RFQ # _____

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

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

3. Did you send written notices to Local Businesses?

____ Yes ____ No

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

4. Did you advertise in local publications?

____ Yes ____ No

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

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

7. List the Local Businesses you will utilize and subcontract percentage of work.

LOCAL BUSINESS EXHIBIT "D" – Page 2Local Business% of Work

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

8. Other comments: _____
- _____
- _____
- _____
- _____

EXHIBIT "E"
CITY OF POMPANO BEACH, FLORIDA
SMALL BUSINESS ENTERPRISE PARTICIPATION FORM

RFQ Number & Title: _____ Contractor's Name: _____

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

(INCLUDE CERTIFICATES FOR ANY FIRMS LISTED ON THIS PAGE)

FOR CITY USE ONLY

Total SBE Contract Participation _____

Are documents requested submitted accordingly ☐ YES ☐ NO

EXHIBIT "F"
SMALL BUSINESS ENTERPRISE
LETTER OF INTENT TO PERFORM AS A SUBCONTRACTOR

RFQ Number _____

TO: _____
(Name of Prime or General Contractor)

The undersigned intends to perform subcontracting work in connection with the above contract as (check below)

_____ an individual

_____ a corporation

_____ a partnership

_____ a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

(Date)

(Name of SBE Contractor)

(address)

(address City, State Zip Code)

BY: _____
(Name)

EXHIBIT "G"
SMALL BUSINESS ENTERPRISE
UNAVAILABILITY FORM

RFQ # _____

I, _____
 (Name and Title)

of _____, certify that on the _____ day of

_____, _____, I invited the following SBE CONTRACTOR(s) to bid work
 (Month) (Year)

items to be performed in the City of Pompano Beach.

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

Said SBE CONTRACTOR(s):

_____ Did not bid in response to the invitation

_____ Submitted a bid that was not the low responsible bid

_____ Other: _____

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

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 H

MINORITY BUSINESS ENTERPRISE PARTICIPATION

RFQ # _____

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

October 8, 2018

ADDENDUM #1, RFQ P-53-18

**PLANNING AND DESIGN SERVICES FOR
FOUR STREESCAPE IMPROVEMENT PROJECTS**

To Whom It May Concern,

RFQ P-53-18 Addition of Essential Requirements Form to Response Attachments Tab

The remainder of the solicitation is unchanged at this time.

Sincerely,

Jill Klaskin Press, CPPO
Purchasing Consultant

cc: website



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

October 11, 2018

ADDENDUM #2, RFQ P-53-18

**PLANNING AND DESIGN SERVICES FOR
FOUR STREESCAPE IMPROVEMENT PROJECTS**

To Whom It May Concern,

RFQ P-53-18 Addition of Financial Statement Requirements to Response Attachments Tab. (See requirements below)

Reviewed and Audited Financial Statements:

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

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

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

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

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

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

NOTE: Financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure; however, financial statements submitted to prequalify for a solicitation, and are not required by the City, may be subject to public disclosure
The remainder of the solicitation is unchanged at this time.

Sincerely,

Jill Klaskin Press, CPPO
Purchasing Consultant

cc: website



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

October 11, 2018

ADDENDUM #3, RFQ P-53-18

**PLANNING AND DESIGN SERVICES FOR
FOUR STREESCAPE IMPROVEMENT PROJECTS**

To Whom It May Concern,

- 1) Addition of Sign-in sheets from Mandatory Pre-Bid which was held on 10/11/2018 to Attachments page.
- 2) Disregard Exhibit E,F,G,and H

The remainder of the solicitation is unchanged at this time.

Sincerely,

Jill Klaskin Press, CPPO
Purchasing Consultant

cc: website

CITY OF POMPANO BEACH MANDATORY PRE-BID CONFERENCE

SIGN IN SHEET

P-53-18 PLANNING AND DESIGN SERVICES FOR FOUR STREETSCAPE IMPROVEMENT PROJECTS

DATE: 10/11/2018

ATTENDEES NOTE: Furnish complete information. **Only** companies represented on this sheet may submit a proposal for the above named projects.

Company Name G.O.M., Inc
 Your Name /Title John Villamizar / G.C.
 Mailing Address 10496 NW 50th Street
 City Sunrise State FL Zip Code 33351
 Telephone Number (561) 350-8900 Fax Number (954) 541-5732
 Email Address jvillamizar@ggm-service.com

Company Name CHEN MOORE & ASSOC
 Your Name /Title JOSE L. AZOSTA, VICE PRESIDENT
 Mailing Address 500 W. CYPRESS CREEK RD, STE 630
 City FT. LAUDERDALE State FL Zip Code 33309
 Telephone Number (954) 730-0707 Fax Number ()
 Email Address JAZOSTA@CHENMOORE.COM

Company Name ~~DOUGLAS TAYLOR~~ CRAVEN THOMPSON & ASSOC, PC
 Your Name /Title DOUGLAS TAYLOR
 Mailing Address 3563 NW 53 COURT
 City FT. LAUDERDALE State FL Zip Code 33309
 Telephone Number (954) 739-6400 Fax Number (954) 739-6402
 Email Address dtaylor@craven-thompson.com

Company Name KEITH AND ASSOCIATES INC
 Your Name /Title DODIE KEITH-LAZOWICK, PRESIDENT
 Mailing Address 301 E ATLANTIC BLVD
 City POMPANO BEACH State FL Zip Code 33060
 Telephone Number (954) 788 3400 Fax Number ()
 Email Address DKEITH@KEITHTEAM.COM

CITY OF POMPANO BEACH MANDATORY PRE-BID CONFERENCE

SIGN IN SHEET

P-53-18 PLANNING AND DESIGN SERVICES FOR FOUR STREETScape IMPROVEMENT PROJECTS

DATE: 10/11/2018

ATTENDEES NOTE: Furnish complete information. **Only** companies represented on this sheet may submit a proposal for the above named projects.

Company Name Keith and Schnurs
 Your Name /Title Carlton Gillespie / Marketing Manager
 Mailing Address 6500 N Andrews Ave
 City Ft. Lauderdale State FL Zip Code 33308
 Telephone Number (954) 7761616 Fax Number ()
 Email Address Cgillespie@ksfla.com

Company Name Cecilia Villoria
 Your Name /Title Design Manager
 Mailing Address 4055 NW 97 Ave
 City Miami State FL Zip Code 33178
 Telephone Number () 305-594-0735 Fax Number ()
 Email Address cvilloria@corradino.com

Company Name ~~Whiting~~ Calvin Giordano & Associates Inc
 Your Name /Title Jenna Martinetti
 Mailing Address 1800 Eiler Dr. Ste 600
 City Fl. Land. FL State FL Zip Code 33316
 Telephone Number (954) 921-7781 Fax Number (954) 921-7781
 Email Address jmartinetti@egasolutions.com

Company Name Savino & Miller Design Studio
 Your Name /Title Sophia Aitken
 Mailing Address 12345 NE 6th Ave
 City North Miami State FL Zip Code 33161
 Telephone Number (305) 895 9082 Fax Number ()
 Email Address sophia@savinomiller.com

CITY OF POMPANO BEACH MANDATORY PRE-BID CONFERENCE

SIGN IN SHEET

P-53-18 PLANNING AND DESIGN SERVICES FOR FOUR STREETScape IMPROVEMENT PROJECTS

DATE: 10/11/2018

ATTENDEES NOTE: Furnish complete information. **Only** companies represented on this sheet may submit a proposal for the above named projects.

Company Name Keith and Schnars
 Your Name /Title Marisol Ortega / Design Manager
 Mailing Address 6500 N Andrews Ave
 City Ft. Lauderdale State FL Zip Code 33309
 Telephone Number (954) 776-1616 Fax Number () _____
 Email Address mortega@ksfla.com

Company Name Frank Zarembo Whiting-Turner
 Your Name /Title Frank Zarembo / Project Manager
 Mailing Address 1901 W. Cypress Creek Rd
 City Ft. Lauderdale State FL Zip Code 33309
 Telephone Number (954) 776-0800 Fax Number () _____
 Email Address frank.zarembo@whiting-turner.com

Company Name MILLER LEGG
 Your Name /Title Kristen Lawlor - mktg lrp
 Mailing Address 5747 N. Andrews way
 City Ft. Lauderdale State FL Zip Code 33309
 Telephone Number (954) 434-7000 Fax Number () _____
 Email Address KLAWLOR@MILLERLEGG.COM

Company Name MARK DACHSTEINER / MATHEWS / BAXTER WOODMAN
 Your Name /Title Regional Manager
 Mailing Address 6000 N. Andrews Suite 100
 City Fort Lauderdale State FL Zip Code 33309
 Telephone Number () 815-482-9124 Fax Number () _____
 Email Address mdachstein@baxterwoodman.com

CITY OF POMPANO BEACH MANDATORY PRE-BID CONFERENCE

SIGN IN SHEET

P-53-18 PLANNING AND DESIGN SERVICES FOR FOUR STREETScape IMPROVEMENT PROJECTS

DATE: 10/11/2018

ATTENDEES NOTE: Furnish complete information. **Only** companies represented on this sheet may submit a proposal for the above named projects.

Company Name Kimley-Horn
 Your Name /Title Rodrigo Torres / Stefano Viola PM
 Mailing Address 600 N. Pine Island Road Suite 450
 City Plantation State FL Zip Code 33324
 Telephone Number (954) 535 5133 Fax Number () _____
 Email Address Stefano.Viola@kimley-horn.com

Company Name Whiting-Turner
 Your Name /Title Dee Lamb / PM
 Mailing Address 1901 W. Cypress Creek Rd. S.
 City _____ State _____ Zip Code _____
 Telephone Number () _____ Fax Number () _____
 Email Address _____

Company Name _____
 Your Name /Title _____
 Mailing Address _____
 City _____ State _____ Zip Code _____
 Telephone Number () _____ Fax Number () _____
 Email Address _____

Company Name _____
 Your Name /Title _____
 Mailing Address _____
 City _____ State _____ Zip Code _____
 Telephone Number () _____ Fax Number () _____
 Email Address _____



P-53-18 Addendum 3

Keith and Associates, Inc.

Supplier Response

Event Information

Number: P-53-18 Addendum 3
Title: Planning and Design Services for Four Streetscape Improvement Projects
Type: Request for Qualifications
Issue Date: 9/22/2018
Deadline: 10/30/2018 02:00 PM (ET)
Notes: Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach invites professional firms to submit qualifications and experience for consideration to provide engineering, architecture and landscape architectural services to the City for four Streetscape improvement projects:

The City will receive sealed proposals until 2:00 p.m. (local), October 30, 2018. 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 the names of the proposers will be read aloud.

Mandatory Pre Submittal Meeting

There will be a mandatory pre submittal meeting to review the City's expectations for the project, including backgrounds and scopes, and answer questions from potential proposers on October 11, 2018, beginning at 1:00 p.m. in the Development Services Conference Room, 100 West Atlantic Blvd., 3rd Floor, Pompano Beach, Florida, 33060. Proposals will not be accepted from firms that do not attend the pre-proposal conference.

Contact Information

Contact: Jill Press
Address: 1190 NE 3rd Avenue
Building C
Purchasing
Pompano Beach, FL 33060
Phone: 954 (786) 4098 x
Email: purchasing@copbfl.com

Keith and Associates, Inc. Information

Address: 301 East Atlantic Blvd.
Pompano Beach, FL 33060
Phone: (954) 788-3400
Fax: (954) 788-3400

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).

Lori Treviranus

Signature

Submitted at 10/30/2018 12:36:07 PM

ltreviranus@KEITHteam.com

Email

Requested Attachments

Bid Proposal

KEITH Response to P-53-18 - Single Pages.pdf

Reviewed and Audited Financial Statement

K&A 2017 FAR Audit_Confidential.pdf

See Addendum 2 for requirement language. These statements must be uploaded separately and labeled as "Financial Statements"

Qualification of Bidders Form

Qualifications_Of_Bidders_Form.pdf

This form is to be completed and uploaded to the Response Attachments tab.

Bid Attributes

1 Terms & Conditions

Check the box indicating you agree to the terms and conditions of this solicitation.

☐ Agree

2 Acknowledgement of Addenda

Check this box to acknowledge that you have reviewed all addenda issued for this solicitation.

☐ Yes

3 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

4 Drug-Free Workplace

Preference must be given to Contractors submitting certification with their bid or proposal, certifying they have a drug-free workplace in accordance with Florida Statutes, Section 287.087. This requirement affects all public entities of the State and becomes effective January 1, 1991.

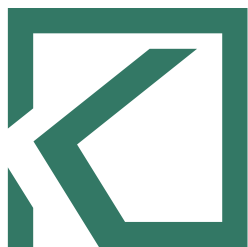
Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

- (1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
- (2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
- (3) Give each employee engaged in providing the commodities or contractual services that are under bid, a copy of the statement specified in subsection (1).
- (4) In the statement specified in subsection (1) notify the employees that as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace, no later than five (5) days after such conviction.
- (5) Impose a sanction on, or require the satisfactory participation in, a drug abuse assistance or rehabilitation program if such is available in the employee's community, by an employee who is so convicted.
- (6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Select Yes below from the drop down menu to certify that your firm complies with the above requirements.

5 Vendor Certification Regarding Scrutinized Companies Lists (Over \$1,000,000.00)

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



KEITH

Engineering Inspired Design.



Florida's Warmest Welcome

Planning and Design Services for
Four Streetscapes Improvement Projects
Request for Qualifications

P-53-18

October 30, 2018 - 2:00 P.M.

CITY OF POMPANO BEACH

P-53-18

***Planning and Design Services for
Four Streetscapes Improvement Projects
October 30, 2018***

TITLE PAGE



301 East Atlantic Boulevard
Pompano Beach, Florida 33060
(954) 788-3400
LTreviranus@KEITHteam.com

A handwritten signature in blue ink that reads 'Lori Treviranus'.

Lori Treviranus, PE
Vice President of Transportation



"We are proud to help our community advance - Each project is tremendously important to the people we call our neighbors"

- A. Dodie Keith-Lazowick



Table of Contents

1.0	Letter of Interest	6
2.0	Technical Approach	9
3.0	Schedule	15
4.0	Project Team Form	17
5.0	Organizational Chart	19
6.0	Statement of Skills and Experience of Team	22
7.0	Resumes of Key Personnel	38
8.0	References	73
9.0	Office Locations	77
10.0	Local Businesses	79
11.0	Minority Business Enterprise	84
12.0	Litigation	87
13.0	City Forms	89



LETTER OF INTEREST

1.0

Pompano Beach Boulevard Streetscape, Pompano Beach, FL

Dear Selection Committee for Pompano Beach Four Streetscape Improvement Projects RFQ P-53-18

It is with great pleasure that Keith and Associates, Inc. dba KEITH provides you our team submittal for the Pompano Beach Planning and Design Services for the Four Streetscape Improvements Projects RFQ P-53-18. We believe our team is well positioned within the Community, provides the expertise within our craft and infuses all of our efforts with Precision and Creativity. We look forward to exploring all of these aspects with you in our response document. Over the past several years, the City of Pompano Beach has continued to reshape the community by reinvesting in the public realm and infrastructure. We applaud the City of Pompano Beach for continuing to reinvest in key assets for the community to ensure the future success of the City, its residents and our more than 3 million annual visitors. This type of investment in the public realm and infrastructure helps to democratize these assets to ensure access for a wide range of users and to ultimately enrich the multi-cultural fabric of our community.

Throughout the Firm's twenty year history, KEITH has been awarded over seventy-five continuing services contracts, including existing contracts for Professional Engineering Services with the City of Pompano Beach, as well as with the City of Pompano Beach's Community Redevelopment Agency. We have held a continuing service contract with the City of Pompano Beach for the last 16 years. As one of the veteran consulting firms in the community, KEITH is extremely qualified to meet your City needs. Our team's familiarity with City staff, City procedures, utility representatives, local conditions and the City's unique and diverse community provides us valuable insight into your project needs and requirements. Our experience with continuing services contracts, combined with our specific discipline knowledge, expertise in working in Pompano Beach, translates into an absolute minimal learning curve which can save the City precious resources including time and money. Our involvement in the Community extends well beyond the profession as we are active in the City and County on a philanthropic and community support level. This support can be seen in the time, talent and treasure that KEITH continues to give back.

KEITH is a multi-disciplinary firm that provides holistic site development solutions. KEITH is a team of nearly 125 professionals and is led by President Dodie Keith-Lazowick. KEITH is headquartered in Pompano Beach less than 1/2 mile from City Hall. KEITH also has offices in Miami, Orlando, Lake Worth and Fort Lauderdale. This project will be led by Lori Treviranus, P.E., serving as Vice President in Charge and Project Manager. KEITH's team has the expertise to provide Public Engagement/Consensus, Civil Engineering, Transportation Engineering, Traffic Engineering, Planning, Landscape Architecture, Survey, SUE, Construction Engineering Inspection and Program/Construction Management.

We believe that for a project to be successful, collaboration is key. For this effort we have partnered with our friends at Kimley-Horn for added expertise in Civil Engineering and Streetscape Design, Florida Engineering & Testing for Geotech, HLB Lighting for lighting design, CMS Construction Management Services for cost estimating and Minuteman Press to provide print production services. Not only is this team qualified it is primarily comprised of firms that either reside within Pompano Beach or represent a minority or disadvantaged ownership.



KEITH believes in a holistic approach to the design process that can be categorized into three general phases:

Exploration Phase – The process of becoming familiar with an area through extensive analysis.

Inspiration Phase – The process of developing ideas emanating from the exploration process.

Implementation Phase – The process of activating a decision or plan.

Each phase builds on the previous and seeks to combine a triple bottom line perspective; with an emphasis on Social, Ecological and Economic influences. This context based design approach considers multiple facets of the development process to result in a resilient solution that is cultivated for each project and task.

We further believe authenticity is what is needed in great public realm design, as these spaces are recognizable and distinct for the location, culture and community. The team is also structured to ensure these streetscapes enhance the complete mobility system and approach to resilient design in infrastructure. The KEITH Team has been curated to provide this balance between context and forward thinking ideas, practical experience and commitment to excellence that aims to support the Pompano Beach Seven Park Facility Improvement Projects.

Best Regards,



Lori Treviranus, PE
Vice President of Transportation
KEITH
301 E Atlantic Blvd,
Pompano Beach, FL 33060
Tax ID No. 65-0806421
Telephone: (954) 788-3400
Email: LTreviranus@KEITHteam.com



TECHNICAL APPROACH

2.0

Old Pompano Streetscape, Pompano Beach, FL

TECHNICAL APPROACH

KEITH believes in a context-based approach that considers multiple facets of the development process resulting in solutions that are curated for each authentic scenario. In addition to the traditional design approach, we believe careful consideration should be given to economic, ecological and social factors. This cohesive approach to each project is engineered to enhance the opportunity for a resilient solution. This triple bottom line approach to the design process is also combined with the need to create a sense of place through enhanced aesthetic beauty and resilient design.

Our approach is categorized into the following three general phases:

Exploration Phase - The process of becoming familiar with an area through extensive analysis.

Inspiration Phase - The process of developing ideas emanating from the exploration process.

Implementation Phase - The process of activating a decision or plan.

Each phase builds on the previous and seeks to combine a triple bottom line perspective; with an emphasis on Social, Ecology and Economic influences. This context based design approach considers multiple facets of the development process to result in a resilient solution that is cultivated for each project and task.

Project Understanding and Vision

KEITH understands the City will select between one and three consultant firm to assist in developing up to four of the Streetscape Projects as outlined in the RFQ. These streetscapes include SR A1A Improvements, McNab Road Improvements, Dr. Martin Luther King Jr. Boulevard and NE 33rd Street Improvements. These streets represent a wide range of components and each project will require a tailored approach to meet the individual goals, program and project need. These Streetscapes have been identified to be completed with the City's GO Bond funding and project budgets for both design and construction will be critical to maintain. In addition to cost management, schedule will be critical to ensure the funds are spent within the proper allocated time period.

The initial project goals are clearly stated, however prior to finalizing any approach or vision for the project, our team believes it will be key to allow a proper process and collaborative approach to the design. Our visioning process starts with the exploration of the stated project goals/elements and builds with the overlay of context to create an authentic narrative and place for people to enjoy and connect. Our team believes in making every project unique to its location and that there should be no preconceived design approach when it comes to the public realm. The end result of this process should be one that achieves excellence in design and aesthetic appearance, but more importantly serves the needs of the community and improves the social and ecological experience of the place, while keeping the economic influence and outcomes in perspective.

Project Administration

Prior to the initiation of the project an outline for project administration and public consensus will be developed and agreed upon. These items will relate to internal and external communications and seek to keep all project goals, expectations and outcomes aligned. As part of this initial task, a detailed schedule will be refined and communicated in order to ensure the project is completed in the allotted time period. We recognize the management of the project and schedule is key to the success and funding for this project.

The KEITH team will provide a Project Manager and staff to administer the professional services described in this Scope of Services for the duration of the project. This will include a detailed schedule and budget that will be monitored and updated as appropriate. The KEITH team shall be available for progress meetings with City Staff, Boards and Elected Officials throughout the duration of the project.



Community Outreach and Community Consensus

The KEITH team shall assist (or lead when appropriate) with development of presentations and public outreach meetings in an effort to communicate the intent of the project to the public. This may also include the facilitation of a workshop with various stakeholders at key points through the design process. Our team is very familiar with the stakeholders and community. We have led several projects through various forms of community involvement. Depending on the project need, location and complexity, our team can coordinate a variety of items from meeting notification, website development, signage/advertisement, presentations and more. The key components to the process are:

Preparation and Clear Communication – The preparation for any public or community input is key to achieving results.

Method of Delivery – The delivery method needs to match the target audience.

Document the Response – A clear summary of the information acquired during the process is paramount.

Analyze and Distill Data – The art of public input is to separate the “signals” from the “noise”.

A few recent examples of our stakeholder/community process include:

Harbor Drive, Pompano Beach, FL – This public project utilized a number of input processes, including a direct hot-line for Q&A. This unique approach allowed the KEITH team to be the front line of communication and protected the City Staff and Elected Officials.

DC Alexander Park, Fort Lauderdale, FL – This project is currently under development and the KEITH team has been responsible for the development of presentations, on-site billboards to advertise as well as to maintain a public website. The team utilized the data to guide the process and keep the key stakeholders aware of the project issues. (Visit www.dcalexanderpark.com)

Smothers Park, Owensboro, KY – This process included a number of workshops, public meetings, and stakeholder groups to gain consensus. One unique stakeholder group included a workshop with kindergarten students to help design the playground. This level of involvement proved critical to the consensus building.

Cost Management and Budget Review

While our team will be looking at each phase of the triple bottom line in our design process, we will pay close attention to the overall bottom line. We understand that accurate cost estimating and budgeting is essential to the success of any project in the public realm and this one is no different. Often, elected officials are asked to vote on items with budget considerations playing a large part in their decisions. Our team of designers, engineers and construction managers have the experience to provide these cost reviews at each stage of design. Initially, we will work with City Staff and City to identify both the program and associated budget ranges in the earlier phases. Once the parameters have been established, the future phases of design will work back to these agreed-to budgets, or in the scenario that a budget is to be changed, it will include a series of agreed upon decisions that would drive this type of change. Typically, our team is used to agreeing to a budget early on and meeting those budgets throughout the process. As the project progresses with more detail or depending on the selected construction delivery method, the detail of pricing will also progress. We know that the costs associated with the projects are extremely important and we rely on our decades of built work, along with knowledge of the industry and the local market conditions to develop this information.

Exploration Phase

Data Gathering and Analysis – The purpose of this task is to work collaboratively with the City, staff and community to understand the context and influences on the project and to communicate these for review and discussion. The team will review code and local government planning documents as part of this initial phase. The end goal is to develop an overview of the study area, previously prepared concepts and other influences



to highlight strengths, weaknesses and opportunities. These findings will then be developed into a series of items. Typical items evaluated at this stage might include, but not limited to:

- Pedestrian counts
- Roadway counts
- Multi-modal and Mass Transit
- Link analysis
- Drainage, Grading and Soil Analysis
- Ecologic and Climate considerations, including sea level rise
- CPTED Principles
- Viewshed and historic areas
- 3rd Party Agency or Stakeholder interest (FDOT, County, FPL, SFWMD, Etc.)
- Existing and Future Land-Use and Zoning
- Existing and proposed development (public or private) adjacent project

Additionally, as a part of this exploration phase the KEITH team will meet with City Staff to begin to identify a set of criteria to identify the skills to select a Construction Management Team. We understand that it is the City's goal to engage a Construction Manager At Risk (CMAR) in the design process. Our team is familiar with the CMAR process which is a delivery method that entails a commitment by the construction manager to deliver the project within a Guaranteed Maximum Price (GMP), in most cases. KEITH understands the nuance of a successful CMAR process.

Inspiration Phase

Based on the completed and approved Exploration Phase, the KEITH team will develop initial recommendations and ideas for review by the City, Staff and Stakeholders. The intent of this phase is to develop the preliminary design report and determine which of the ideas provide the best overall solution for the City's goals. Typically at this phase there will be a number of ideas or concepts developed for the project. Each will take a slightly contrasting approach - all of them will take input from the City, Stakeholders and appropriate team members to ensure the concepts represent the community's desire for the public realm. The drawings and presentations prepared during this phase of design will be more conceptual in nature, however they will be based on the detailed information gathered during the Exploration Phase and the previous streetscape design plans.

Presentations, documents and drawings produced in this phase may include Illustrative plans, diagrams, before and after photo visualizations, 3D renderings, character imagery, opinions of probable costs, and other related graphic presentations to convey the overall intent of design. These documents will be reviewed and coordinated with City, staff, community and all identified stakeholders. If determined appropriate by the Team, this phase may also include a series of public workshops or community input sessions. Please refer to the project administration and public consensus description for additional information.

Implementation Phase

Based on the completed and approved Inspiration Phase, the KEITH team will develop detailed drawings and documents that aim to progress with a singular, identified direction for the project. Typically, the drawings in this phase will address many of the same items as noted in the previous phases; however, they will be at a more detailed level. Drawings will be coordinated with all appropriate disciplines and agencies and developed in typical drawing or detailed design submittals including 30%, 60%, 90%, Permit and Construction Sets. All technical reports will be developed in a preliminary and final format either as a supplement to the drawing package or as a stand-alone document for potential grant application or other coordination/submittal purposes.

As part of the detailed design process, often there are changes that have developed from the "big ideas" generated early to the final details. Our team is accustomed to keeping the illustrative graphics updated to allow the City, Stakeholders and Elected Officials a realistic view of what is depicted in the detailed documents.



We have found this to be especially helpful to ensure expectations are met when the project starts to come out of the ground.

In addition to the development of detailed design drawings, KEITH shall attend required pre-application meetings with agencies having jurisdiction over the facilities designed by KEITH, and prepare and submit the permit applications for the construction of the following improvements and process them through the following regulatory agencies:

Development Review

- Site Plan/Design Review (assumes site plan approval process to be led by CLIENT)
- City – Planning and Development Board
- Floodplain Management

Water and Sewer System

- Broward County Environmental Protection and Growth Management Department (BCEPGMD) – Sanitary Sewer
- Florida Department of Environmental Protection (FDEP) –Water and Sanitary Sewer
- Broward County Water and Wastewater (BCWWS) – Sanitary Sewer
- City – Water and Sanitary Sewer

Paving, Grading, and Drainage System

- Broward County Environmental Protection and Growth Management Department (BCEPGMD) – Stormwater
- Florida Department of Environmental Protection (FDEP) – Stormwater ERP
- Florida Department of Environmental Protection (FDEP) – NPDES/SWPPP
- City Engineering Division

Pavement Markings and Signage

- County Traffic Engineering Division
- City Engineering

Construction Manager At Risk (CMAR) Process

KEITH is prepared to assist the City in the development of an RFP and selection process of the CMAR if desired and applicable. At a minimum, KEITH is prepared to develop the required documents to support the selection process and to participate with the City to answer questions potential CMAR firms may have. Once a CM is selected KEITH will work with the City and CM to review documents and arrive at a GMP for the project. It is anticipated that the relationship between the City, CM and KEITH Team will be mutual and the team will work with the communities best interest in mind relative to review for costs, quality and long term care and maintenance. This process generally has the following benefits to the City:

A higher level of cost control from the start. During the design process, the CMAR provides cost estimates at contractually established points. If these cost estimates are in line with the established budget, the architect then moves on to the next phase of design. If not, the CMAR, Owner and Architect assess the cost estimate and make design changes to bring the design back into budget alignment. This process ensures budget success.

The CMAR is an Owner advocate and manages the project with the Owner's best interest in mind at all times.

The CMAR takes burden off of the Owner in managing and coordinating the project.

The Owner's risk is limited by the CMAR process providing the construction documents are complete and



proper allowances and contingencies are built into the GMP.

Constructibility and value to the Owner are afforded by the Value Engineering expertise brought to the process by the CMAR.

Site Observations and Review

- A. KEITH will provide on-site coordination for the critical phases of construction associated with the site and amenity features.
- B. KEITH will visit the site at key times (as deemed appropriate by the Client) during construction of the facilities to observe the work of the contractor with regard to compliance with the design intent.
- C. KEITH will provide trips to nurseries to select and tag specimen plant materials
- D. KEITH will provide review of all requested shop drawings
- E. KEITH will provide assistance with contractor construction coordination issues

On the basis of its observations, KEITH will keep the Client informed of the progress of construction. KEITH may recommend to the Client the rejection of work failing to conform to the contract documents. KEITH will endeavor to secure compliance by the contractor to the plans and specifications. KEITH will not be responsible for construction means, methods, techniques, sequences or procedures, or job site safety, in connection with the work, and KEITH will not be responsible for the contractor's errors or omissions, or failure to carry out the work in accordance with the contract documents.

At the completion of the Implementation Phase, KEITH will work with City Staff to develop a maintenance guideline and schedule to ensure that any systems, equipment or elements within the park are properly maintained. This step ensures that the City's initial investment in the park is not lost over time. This maintenance guide will serve as a "how to" manual for the park and will also allow the City to evaluate the performance of the project to make decisions for future improvements for this park or other projects within the City.

Technologies

The KEITH team possesses a number of technologies that allow us to communicate and deliver on our ideas in a more effective manner. Our team utilizes these technologies both in the field and in the office to verify accuracy of existing features through our 3D Scanning, Survey and Subsurface Utility Engineering (SUE) capabilities. This up front due diligence allows our team to ensure the base plans and data that is used to create future implementation plans is accurate and coordinated. In the design process, our team utilizes a number of visualization tools to create photo realistic renderings and video animations that are often key to presenting ideas to the Public and Elected Officials who are not often accustomed to reading detailed plans.

Often, we utilize drone images or footage as a part of this visualization to show before and after scenarios. As we progress to detailed design, our team has the capability of producing drawings in Revit / Civil 3D to allow for coordination of BIM (Building Information Modeling) and CIM (Civil Information Modeling) to allow optimum coordination and performance review of the projects systems. Our team utilizes multiple software platforms as well for both design and project management including but not limited to: AutoCAD, CivilCAD, Microstation, Adobe Creative Suite (Photoshop, Illustrator, InDesign, Premiere, Etc), Sketch-up, Lumion, Basecamp, Microsoft Suite (Word, Excel, Power Point, Project Scheduler, Etc), Skype and we also have full plotting and scanning capacity in office making production as efficient and cost effective as possible.



SCHEDULE

3.0

US-1, Delray Beach, FL

SCHEDULE AND QA/QC

At the start of the project KEITH will define/develop in coordination with staff and City a project schedule and procedures for QA/QC that will guide the project tasks. While all work elements must be executed in a quality fashion, they also must be performed responsively, in accordance with the city's schedule and budget objectives. Our depth of staff, both in number and experience, will permit us to continue to satisfy our project commitments for the city, without sacrificing quality and responsiveness. Potential delays and cost overruns are contained and minimized through routine weekly department meetings aimed at maximizing project scheduling effectiveness. Senior management oversight and weekly interaction ensures that the delivery, budget and project communication maintain the utmost priority within the Team. Communication is the key to identifying and resolving project pitfalls quickly, while maintaining schedules and budgets. We have found great success utilizing an approach that has led to effectively identifying problems and quickly defining solutions.

A major aspect of the Project Management and the quality commitment to this contract is independent peer review as part of our contract quality control/quality assurance program. Quality is obtained by successfully providing proper project approach, constant project supervision and communication, complete project documentation, active senior management involvement and a final formal quality review prior to submission to the City. Quality Control reviews are performed at many levels by key staff throughout the project timeline, including daily field reviews, weekly project status reviews, milestone reviews, CADD compliance of 95% or better and closures/data/calculations reviews. The KEITH Team continually monitors its QA/QC plan and makes adjustments as lessons learned are implemented into the Plan.

Communication is paramount in any project; it becomes even more magnified in the public arena. Our team believes in thorough communication and understands how to effectively communicate graphically, verbally and in written format. The attention to detail in our communication ensures that expectations can be articulated, discussed and agreed on to set the stage for success. This inherent focus on communication is embedded within our QA/QC process and is implemented through the design process.



PROJECT TEAM FORM

4.0

Las Olas Boulevard, Fort Lauderdale, FL



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 **P-53-18**

Federal I.D.# **65-0806421**

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	A. Dodie Keith-Lazowick, PLS	41	B.S.
Project Manager	Lori Treviranus, PE	17	B.S.
Asst. Project Manager	Alex Lazowick, PE	10	B.S.
Other Key Member	Michael Vonder Meulen, AICP	32	B.S.
Other Key Member	Paul Weinberg, PLA, ASLA	18	B.S.

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	KEITH - 301 E Atlantic Blvd	Lee Powers, PSM, Mike
	Pompano Beach, FL 33060	Mossey, PSM, Dan Checchia
Landscaping	KEITH - 301 E Atlantic Blvd	Michael Phillips, PLA, Lucie
	Pompano Beach, FL 33060	Weiss, Misagh, Hosseinzadeh
Engineering	KEITH - 301 E Atlantic Blvd	Alex Lazowick, PE, Steve Williams, PE
	Pompano Beach, FL 33060	Lori Treviranus, PE, Lisa Bernstein, PE
Architecture	Kimley-Horn - 600 North Pine Island	Marwan Mufleh, PE
	Road, Ste 450, Plantation, FL 33324	Jonathan Haigh, PLA, ASLA
Geotechnical	Florida Engineering & Testing - 250 SW	Mark Mesiano, PE
	13th Ave, Pompano Beach, FL 33069	Paul Teninty
Lighting Design	HLB Lighting Design - 3250 NE	Barbara Horton
	1st Ave, Ste 305, Miami, FL 33137	Simi Veit
Cost Estimating	CMS- Construction Management Services	Keith Emery
	10 Fairway Drive, Ste 301, Deerfield Beach, FL 33441	
Printing	Glorified Printing, Inc. DBA Minuteman Press 51 N Federal Hwy, Pompano Beach, FL 33062	Gloria Jacaruso



ORGANIZATIONAL CHART

5.0

Assembly Row, Somerville, MA

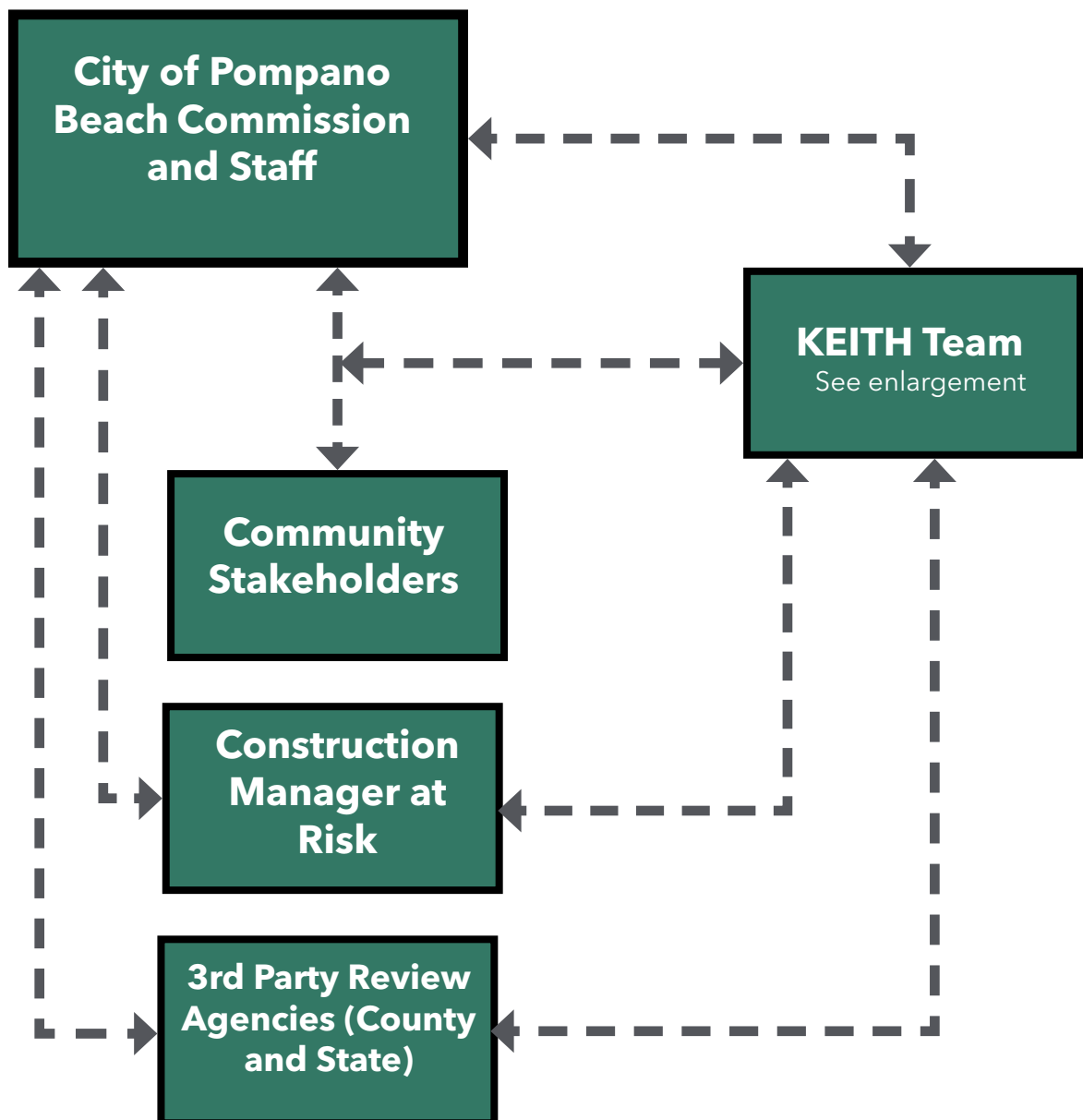


Project Team Overview

The KEITH Team has been curated specifically to respond to the streetscape projects identified in the City's RFQ. Internally, KEITH, possess the qualifications and skill sets include Community Consensus/Stakeholder Input, Transportation Planning, Traffic Engineering, Planning, Landscape Architecture, Survey, SUE, Civil Engineering, Parking Analysis, Land Development Regulations, 3D Visualization/BIM and Construction Management. In addition to the KEITH services we have partnered with our friends at Kimley-Horn, HLB Lighting, Florida Engineering & Testing, and Construction Management Services (CMS).

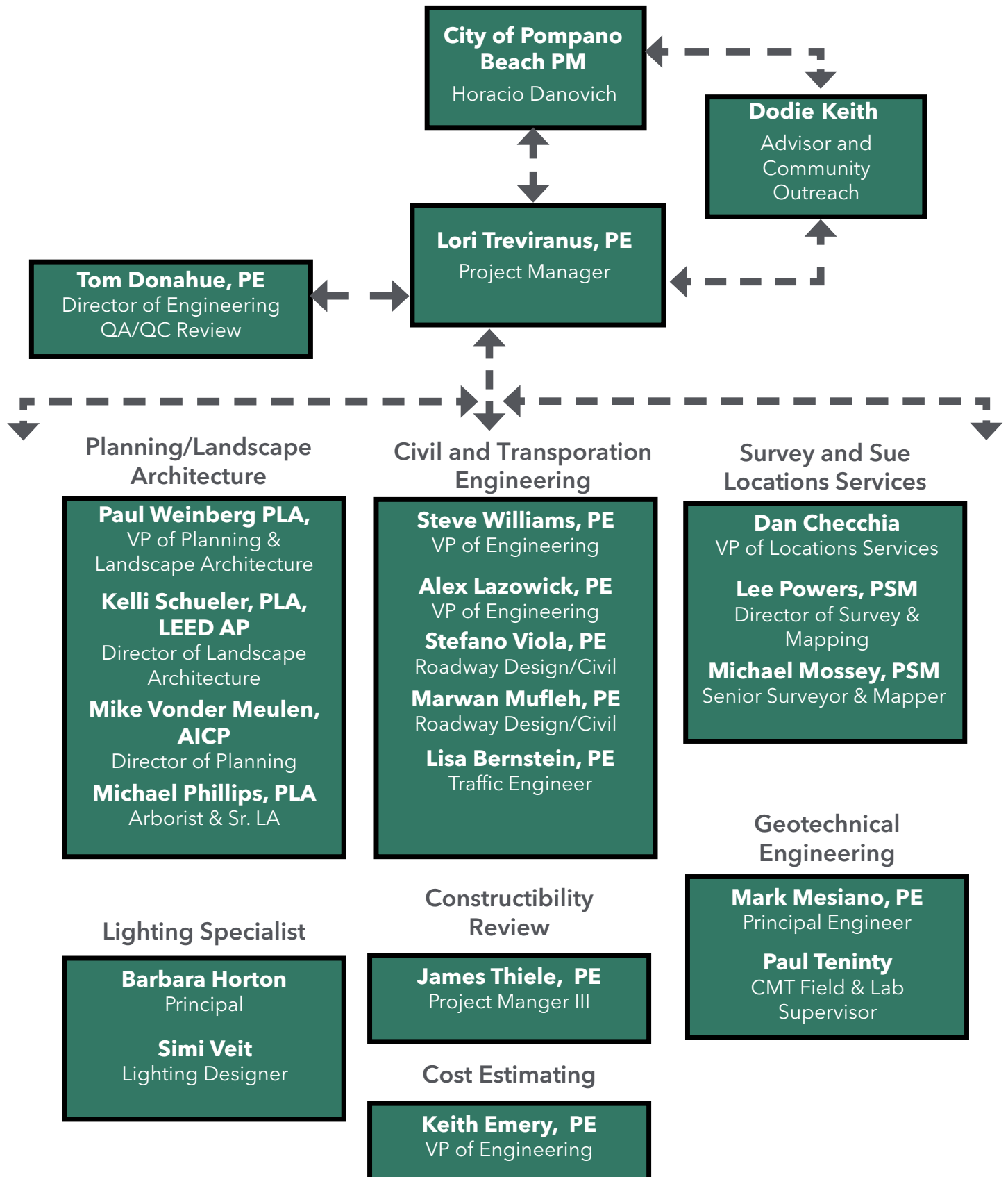
General Organizational Structure

KEITH will work directly with the City of Pompano Beach Commission and Staff to ensure clear communication is maintained throughout the process. In addition to communication with the City it will be critical to facilitate community outreach with the Community Stakeholders, to have a strong working relationship with the eventual Construction Manager at Risk, as well as required coordination with City, County and State Review agencies.



Detailed Organizational Structure

The KEITH team will utilize the following key personnel to ensure the success of the project. These teams will work hand in hand throughout the process to ensure successful delivery and Lori Treviranus will be the main point of contact for this phase of the project. For additional Key Personnel please see detailed resumes included in Section 7.0.



STATEMENT OF SKILLS/EXPERIENCE 6.0

Clematis Street, West Palm Beach, FL

STATEMENT OF SKILLS AND EXPERIENCE

The KEITH Team has worked on a combined total of more than 125 streetscape and roadway projects in Broward County over the last 2 decades. These range in size from neighborhood complete streets, to arterials, collectors and highways. The team has worked through complexity of schedule, budget and program to ensure the success of these projects is maintained. The KEITH team has the blend of experiences to handle every aspect of the projects needs from start to finish. Some of the team's collective experience is included below for review and consideration. In addition to the projects showcased below our team has worked on more than 300 projects in the City of Pompano Beach - for a list please refer to section 8.0.

Collectively our team possesses expertise in Community Involvement, Planning/Landscape Architecture, Civil Engineering, Transportation Engineering, MEP/Structural, Specialty Lighting Design, Cost Estimating, Constructibility and QA/QC. These skills combined with KEITH's presence in the community in a philanthropic way and knowledge of the City's review and development process make our team the best qualified team.



Pompano Beach Streetscape and Beach Plaza Improvements

Project Location: Pompano Beach, FL **Project Size:** 1.5 Miles

Completion Date: 2013

Project Value: \$7.9 Million

Reference: Horacio Danovich

Email: horacio.danovich@copbfl.com

Phone: 954-786-7834

Project Description - The CRA wanted to create pedestrian-friendly corridors to dine, shop, enjoy the beach, revitalize the beach community to create connectivity to local businesses and to reconfigure roadways to maximize a buildable footprint. KEITH provided civil engineering design and surveying services for the redesign of the roadways east and west of Pompano Beach Boulevard, enhancement of beach front parking, streetscape/landscape improvements, pedestrian access south of the pier adjacent to the beach at Atlantic Boulevard and north of NE 5th Street, including a signature plaza at the end of Atlantic Boulevard. This South Florida project was a recipient of a 2013 Award of Honor by Florida ASLA and is the only project recognized by the Urban Land Institute as an award finalist that does not include a major building.



Harbor Drive Improvements

Project Location: Pompano Beach, FL **Project Size:** 2 Miles

Completion Date: 2006

Project Value: \$3 Million

Reference: John Sfiropoulos

Email: john.sfiropoulos@copbfl.com

Phone: 954-545-7009

Project Description - This beautification and reconstruction of this full service existing roadway project was completed two months ahead of schedule with an installation of over 30,000-LF of utilities including 6" to 36" force mains, lift station replacement, reclaimed water mains, irrigation and drainage infrastructure. Traffic calming measures were implemented without adversely impacting adjacent single-family properties. The roadway reconstruction of the existing two-lane roadway included several landscaped medians and roundabouts. KEITH provided all permitting, complete engineering design, topographic, construction and as-built surveys, CEI and extensive community liaison services.



Briny Avenue Streetscape and Utilities Improvements

Project Location: Pompano Beach, FL **Project Size:** +/- 4,000-LF

Completion Date: 2014

Project Value: \$315,000

Reference: John Sfiropoulos

Email: john.sfiropoulos@copbfl.com

Phone: 954-545-7009

Project Description - This project involved reconstruction of East Atlantic Boulevard from SR 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 aesthetic improvements to support the area's revitalization efforts. KEITH provided design surveys as well as designation and location of subsurface utilities along Briny Avenue from the south ROW line of Atlantic Boulevard to SR A1A within the above described corridor. Also included were the side streets connecting Briny Avenue to SR A1A within the above described corridor.



SE 8th Court Bridge Replacement

Project Location: Pompano Beach, FL **Project Size:** 1/5 Mile

Completion Date: 2012

Project Value: \$600,000

Reference: John Sfiropoulos

Email: john.sfiropoulos@copbfl.com

Phone: 954-545-7009

Project Description - This project consisted of replacing an existing bridge along SE 8th Court, immediately east of SE 22nd Avenue. The bridge crosses over a leg of the Lake Santa Barbara waterway within the Santa Barbara Shores subdivision in the City of Pompano Beach. KEITH provided complete engineering design, utility investigating, permitting, bid assistance, coordinated structural engineering for the bridge design, and CEI for the phased bridge and bulkhead replacement. This bridge carries a two-lane roadway (one lane each direction) which is the only means of ingress/egress to the residential island community. Extensive coordination was required to ensure uninterrupted access and utility service throughout the construction. The project also included total restoration of the impacted irrigation, sod and landscape features to their original condition.



"Old" (Historic) Pompano Streetscape Improvements

Project Location: Pompano Beach, FL **Project Size:** 6 City Blocks

Completion Date: 2015

Project Value: \$4.4 Million

Reference: Horacio Danovich

Email: horacio.danovich@copbfl.com

Phone: 954-786-7834

Project Description - KEITH, as the Prime Consultant, assembled a multi-disciplinary team responsible for the overall team management, Engineering, Permitting, Planning, Surveying, Public Consensus and Construction Management for the Old Town Pompano Improvements. The Streetscape and Parking Improvements in Old Town were part of a larger endeavor to improve existing pedestrian connectivity to MLK Boulevard and the new Cultural Center near City Hall. The focal point was the construction of a European-style plaza which established a City Center within the Downtown. The Downtown plaza features a water fountain and a new concept known as "fire water," where a flame travels up a water column creating a dramatic effect. The CRA recognized that the reconfiguration of the on-street parking as part of the streetscape project in Old Town was necessary to create a pedestrian friendly environment and to attract retailers.



MLK Jr. Boulevard Streetscape Improvements (from Powerline Road to the Florida Turnpike)

Project Location: Pompano Beach, FL

Project Size: As Described

Completion Date: 2017

Project Value: \$3.5 Million

Reference: Horacio Danovich

Email: horacio.danovich@copbfl.com

Phone: 954-786-7834

Project Description - KEITH was selected as the Prime Consultant to provide professional engineering design and related services to the City of Pompano Beach and the Pompano Beach Northwest Community Redevelopment Agency (CRA) for roadway improvements along Martin Luther King Jr. Boulevard (a.k.a. Hammondville Road). The roadway improvements include incorporating new sidewalks, dedicated bicycle lanes and roadside swales along both sides of the roadway, roadway milling and resurfacing (with some widening), miscellaneous safety improvements and some lane reconfigurations, new landscape medians and other landscape enhancements, decorative street lighting, utility coordination for relocations/adjustments, overall drainage and roadway improvements.



MLK Jr. Boulevard Streetscape Improvements (from Dixie Highway to NW 6th Avenue)

Project Location: Pompano Beach, FL

Project Size: As Described

Completion Date: 2015

Project Value: \$3.5 Million

Reference: Horacio Danovich

Email: horacio.danovich@copbfl.com

Phone: 954-786-7834

Project Description - The proposed improvements included multi-modal (pedestrian/bicycle/transit) friendly streetscape with landscape/hardscape beautification features along MLK Boulevard including special pavement materials, new pedestrian level and roadway decorative lighting, streetscape furnishings, utility adjustments (including undergrounding overhead FPL/Comcast/AT&T lines), and overall drainage, utility and roadway improvements. KEITH was awarded this project as the Prime Consultant and assembled a multi-disciplinary team to complete all design aspects. KEITH as the Lead/Prime consultant was responsible for the overall team management, Engineering, Permitting, Planning, Surveying, Public Consensus and Construction Management.



MLK Jr. Boulevard Streetscape Improvements (from NW 6th Avenue to I-95)

Project Location: Pompano Beach, FL

Project Size: As Described

Completion Date: On Hold

Project Value: TBD

Reference: Horacio Danovich

Email: horacio.danovich@copbfl.com

Phone: 954-786-7834

Project Description - The proposed improvements included multi-modal (pedestrian/bicycle/transit) friendly streetscape with landscape/hardscape beautification features along MLK Boulevard including special pavement materials, new pedestrian level and roadway decorative lighting, streetscape furnishings, utility adjustments (including undergrounding overhead FPL/Comcast/AT&T lines), and overall drainage, utility and roadway improvements. KEITH was awarded this project as the Prime Consultant and assembled a multi-disciplinary team to complete all design aspects. KEITH as the Lead/Prime consultant was responsible for the overall team management, Engineering, Permitting, Planning, Surveying, Public Consensus and Construction Management.

MLK Jr. Boulevard Traffic Ways Plan Amendment

Project Location: Pompano Beach, FL **Project Size:** 1-2 Miles

Completion Date: 2012

Project Value: NA

Reference: Horacio Danovich

Email: horacio.danovich@copbfl.com

Phone: 954-786-7834



Project Description - The City and NW CRA requested an amendment to the Broward County Trafficways Plan for MLK Boulevard/Hammondville Road from Dixie Highway to I-95 from 80-foot collector to 80-foot context sensitive corridor "Urban Main Street". This amendment provides for greater flexibility within the ROW, as it allows for a reduction in design speed, on street parking during off peak, elimination of exclusive right-turn lanes, wider sidewalks and shared bike lanes. These changes allow for a more pedestrian-friendly environment, consistent with the City and NW CRA's goals. KEITH prepared all required documents and processed the application throughout the CRA Advisory Board, City Commission and Broward County Planning Council. This was the first approved trafficways plan amendment to "context sensitive corridors" in Broward County.

Signalization and Pavement Marking Improvements along MLK Jr. Boulevard at Intersections with Blount Road and NW 31st Avenue

Project Location: Pompano Beach, FL **Project Size:** NA

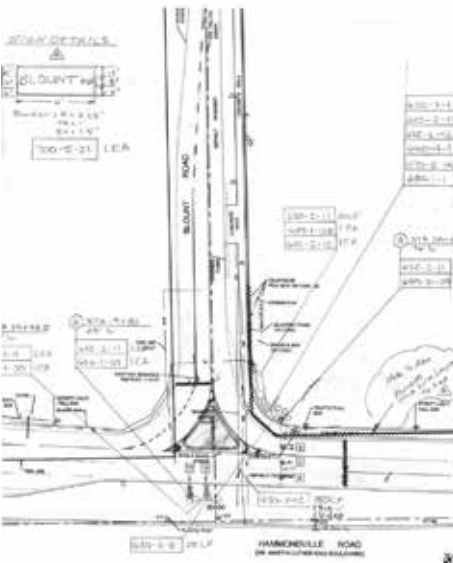
Completion Date: Ongoing

Project Value: NA

Reference: John Sfiropoulos

Email: john.sfiropoulos@copbfl.com

Phone: 954-545-7009



Project Description - KEITH is currently providing traffic engineering, surveying and SUE for the signalization and pavement marking improvements along MLK Boulevard at the Blount Road and NW 31st Avenue Intersection. This project proposes to provide new signalization to intersection that will link and properly sequence with the existing signal at the NW 31st Avenue and MLK Blvd to facilitate safe and reasonable access. Associated paving, curbing, signage, conduit trenching, grading and sodding will be detailed in the plans. Additionally, KEITH is preparing a complete set of traffic signal design plans to construct a new mast assembly at the intersection and all required plan sheets according to FDOT Plans Manual and Broward County standards for the operation of the new signal.



A1A Overhead Utility Conversion

Project Location: Pompano Beach, FL **Project Size:** 3.3 Miles

Completion Date: 2018

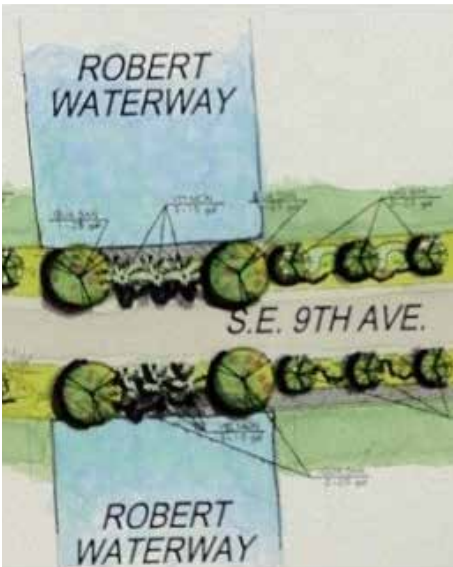
Project Value: \$664,000

Reference: John Sfiropoulos

Email: john.sfiropoulos@copbfl.com

Phone: 954-545-7009

Project Description - The City was 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 lesson 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 was responsible for SUE and Surveying services 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 also provided sketch and descriptions to dedicate areas for adjusted and/or newly installed appurtenances.



SE 9th Avenue Streetscape Improvements

Project Location: Pompano Beach, FL **Project Size:** 750 LF

Completion Date: 2016

Project Value: \$900,000

Reference: Bradley Wolak

Email: brad.wolak@copbfl.com

Phone: 954-786-5520

Project Description - This project consisted of the rehabilitation of an existing culvert at SE 9th Avenue (Robert Waterway) and the replacement of an existing bridge at SW 9th Avenue (Charles Waterway) in Pompano Beach. The project included clearing and grubbing, demolition of existing structure, MOT, installation of a new bridge, headwalls, concrete deck, handrails, guardrails, installation of sod, landscape restoration, adjustment of existing utilities and all other associated work with the public ROW. KEITH provided civil engineering, surveying, utility location and landscape architecture services. During the design process, various alternatives for the bridge replacement were presented and approved by the City, in which KEITH provided the complete design, permitting and bid assistance for.



Washington Street and SW 72nd Mobility Improvements

Project Location: Hollywood, FL

Project Size: 3.75 Miles

Completion Date: Ongoing

Project Value: \$6 Million

Reference: Raul Dominguez

Email: Raul.Dominguez@dot.state.fl.us

Phone: 954-777-4677

Project Description - KEITH was selected by the Florida Department of Transportation for this design project will add bicycle lanes and pedestrian improvements to each corridor. The KEITH team will provide roadway, drainage, signing and pavement marking, landscaping, survey, SUE, utility coordination, Geotech and public involvement services to the Department of Transportation. This is a Broward County Metropolitan Planning Organization (MPO) funded project and FDOT District 4 is the client and project facilitator. Our team's extensive experience coordinating with multiple agencies and stakeholders are key factors for the successful completion of this project.



Holmberg Road Improvements

Project Location: Parkland, FL

Project Size: 1.25 Miles

Completion Date: 2014

Project Value: \$975,000

Reference: Sowande Johnson

Email: sjohnson@cityofparkland.org

Phone: 954-770-4246

Project Description - KEITH provided engineering design, surveying, SUE, permitting and complete construction administration services to the City of Parkland for roadway improvements along Holmberg Road between Pine Island Road to the west and University Drive to the east. The roadway improvements included incorporating new dedicated bicycle lanes and roadside swales along both sides of the roadway, roadway milling and resurfacing (with some widening), miscellaneous safety improvements, landscape adjustments, overall drainage and roadway improvements. In addition to processing multiple permit and plan approvals, KEITH was instrumental in assisting the City with pre-construction coordination with the School Board of Broward County and public outreach with the adjacent HOA's to limit construction impacts to those affected.



Hillsboro Boulevard Streetscape Improvements

Project Location: Deerfield Beach, FL Project Size: +/- 4,800-LF
 Completion Date: 2012 Project Value: \$6.5 Million
 Reference: Charlie DaBrusco Email: N/A
 Phone: 954-770-4246

Project Description - This project included beautification improvements and the reconstruction of Hillsboro Boulevard from Federal Highway to A1A. The roadway reconstruction included new turning lanes, drainage improvements and relocating utilities underground. New pedestrian crossing safety lighting has been installed across the US-1 intersection. The streetscape portion of the project included the installation of new paver sidewalks, decorative streetlights, bus stop benches, trash receptacles and decorative landscaping. These improvements greatly enhanced the visual appeal of Hillsboro Blvd and improved the safety and flow of pedestrians/vehicles between Federal Highway and Deerfield Beach. KEITH provided engineering design, inspection, permitting, surveying and construction administration services.



Atlantic Boulevard Streetscape Project

Project Location: Margate, FL Project Size: 2.1 Miles
 Completion Date: Ongoing Project Value: \$5 Million
 Reference: Cotter Christian Email: cchristian@margatefl.com
 Phone: 954-972-0828

Project Description - The CRA requested the KEITH Team to develop a branded approach to several of the city's ROW and streetscapes. The request includes multiple miles of streetscape, medians, walls, walkways, landscape, lighting, signage and a signature fountain feature. The team worked to create a brand or identity that can be utilized throughout the City in these public realm areas. The signature element for this streetscape initiative is the addition of a roundabout and fountain feature. The CRA requested that a theme of a child fishing along the edge of the canal be utilized for inspiration. KEITH had to work around existing infrastructure items and yet was able to develop a creative approach for the fountain. The result was a combination of water, sculpture, landscape and hardscape to make a statement for the City and CRA.



Winfield Boulevard Traffic Calming and Streetscape Improvements

Project Location: Margate, FL Project Size: +/- 3,000-LF
 Completion Date: Ongoing Project Value: TBD
 Reference: Cotter Christian Email: cchristian@margatefl.com
 Phone: 954-972-0828

Project Description - KEITH is responsible for traffic calming measures and streetscape improvements for the corridor of Winfield Boulevard from SR-7 to NW 64th Terrace, approximately 3,000-LF of local roadway. KEITH will provide schematic drawings of existing conditions, concept drawings including three alternatives considering potential lane width modifications, landscaping, potential pavement enhancements, lighting, introduction of roundabouts and other improvements aimed at traffic calming and cost estimates and will also coordinate with Margate CRA staff and community stakeholders.



Colonial Drive Traffic Calming, Pedestrian Routing and Streetscape Improvements (Phase I)

Project Location: Margate, FL

Completion Date: 2016

Reference: Cotter Christian

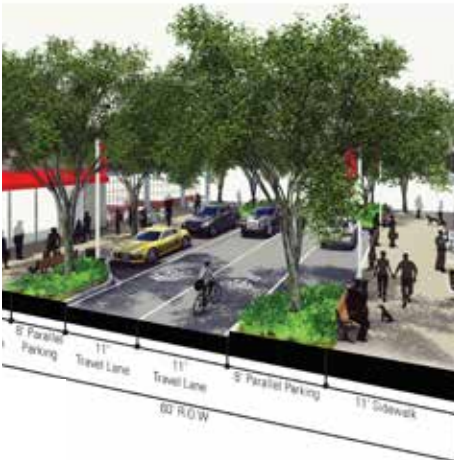
Project Size: +/- 500-LF

Project Value: \$135,484

Email: cchristian@margatefl.com

Phone: 954-972-0828

Project Description - Phase I of traffic calming, pedestrian routing and streetscape improvements containing approximately 500-LF of Local Roadway. KEITH is responsible for schematic drawings of existing conditions, concept drawings including two alternatives considering potential lane width modifications, road geometry adjustments, landscaping, street lighting, potential pavement enhancements, other improvements aimed at enhancing pedestrian crossing experience on Colonial Drive and traffic calming and cost estimates. KEITH will also coordinate with stakeholders such as the Northwest Regional Hospital and MCRA staff and will conduct public workshops.



Las Olas Boulevard Corridor Study

Project Location: Fort Lauderdale, FL

Completion Date: Ongoing

Reference: Mike Weymouth

Project Size: 2.75 Miles

Project Value: \$6-8 Million

Email: Mike@lasolas.co

Phone: 954-463-5630

Project Description - KEITH's planning and landscape architecture team is developing a conceptual design package for improvements along Las Olas Boulevard for Property Owners on Las Olas (POLO). Conceptual studies include modifications to improve traffic flow and help unify the district while enhancing the quality of pedestrian experience. This was accomplished through a re-defined street section incorporating widened pedestrian sidewalks, reduced travel lanes, enhanced crosswalks with identifying plant material, sharrow lanes, site furnishings, transit stops, water taxi stops, signage and other complete streets principles.



Andrews Avenue/Oakland Park Boulevard Corridor Study

Project Location: Wilton Manors, FL

Completion Date: 2015

Reference: Roberta Moore

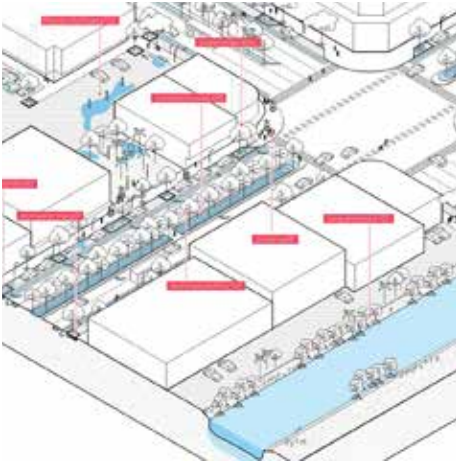
Project Size: 5-7 Miles

Project Value: \$900,000

Email: RMoore@wiltonmanors.com

Phone: 954-390-2180

Project Description - KEITH served as a consultant to the City of Wilton Manors for the Andrews Avenue/Oakland Park Boulevard Corridor Study. The project included community outreach to various neighborhood associations and other stakeholders, photo documentation of the corridor, parcel analysis, public facility and traffic count analysis, examination of the land development regulations and comprehensive plan and identification of pedestrian and bicycle opportunities and mass transit routes. Once the analysis was complete, the study offered four recommendations: adopt the Complete Streets Program city-wide; monitor and participate in the Broward Next process through Broward County; Consider changing the land-use designations along Andrews Ave and Oakland Park Blvd to transit-oriented corridor; consider creating two additional sub-districts within the Urban Center Mixed-Use zoning district to encourage redevelopment while preserving unique characters of Andrews Ave and Oakland Park Blvd.



Fast Forward Fort Lauderdale Design and Construction Manual

Project Location: Pompano Beach, FL Project Size: 36 Square Miles
 Completion Date: Ongoing Project Value: N/A
 Reference: Jeff Huber Email: huber@brooksscarpa.com
 Phone: 904-540-9135

Project Description - KEITH is in collaboration with Brooks + Scarpa and is developing a manual to set the tone for future development with an emphasis on resilient planning and design. Key elements include assessment of sea level rise, mobility planning, landscape architecture elements, CPTED principles and over development patterns. KEITH is responsible for planning, landscape architecture and assistance with Community/Stakeholder input and research.



Clematis Street, West Palm Beach, FL

Kimley-Horn is providing landscape architecture and civil engineering services as part of the team designing improvements to the 300 block of Clematis Street in downtown West Palm Beach. After several public input meetings with Clematis Street merchants, stakeholders, residents, and visitors, the City Commission voted to implement recommendations from the design team to implement a transformative change to this destination street in downtown West Palm Beach. The design features a paver-covered, curbsless street with narrowed travel lanes, premium paver sidewalks, permeable paver parking spaces, custom-designed seating areas, and a landscape featuring large Live Oaks to provide significant shade for pedestrians. The design features the City's first implementation of suspended pavement systems, which, in combination with Structural Soil, will provide a significant root zone space for the Live Oaks to thrive. Kimley-Horn provided engineering services for the relocation of a water line as well as providing an improved drainage solution, unique to the curbsless street.

Kimley»Horn

The entire project was designed under an accelerated schedule that started in December and required to the project to be constructed before November of the following year. The project is under construction and scheduled to be substantially complete before the end of October.

Cost: \$292,169

Contact: Erik Ferguson, eferguson@wpb.org, 561.494.1092





Kimley»Horn

Cost: \$772,755

Contact: Elizabeth Van Zandt, elizabeth@ddaftl.org

Las Olas Boulevard and Colee Hammock Neighborhood Improvements, Fort Lauderdale, FL

Kimley-Horn provided design services for Las Olas Blvd Complete Streets improvements and traffic calming design for Colee Hammock neighborhood.

The City was interested in providing buffered bike lanes, opportunities for landscaping, and emphasizing pedestrian and bike mobility. Upon beginning the data collection and public involvement phase, an apparent need arose for a traffic calming study for the adjacent neighborhood to prevent cut through traffic and to direct traffic to a designated local street. Our traffic engineers collaborated with our Complete Streets design experts, urban designers, roadway design engineers, and City staff to investigate several alternatives, including designation of some streets as one-way pair to discourage cut through traffic throughout the neighborhood. This option was discounted in favor of more traffic calming measures. The project involved an extensive public outreach program and many meetings to develop consensus between home owner association representatives.



Kimley»Horn

Federal Highway (US-1) Interim and Final Enhancements, Delray Beach CRA

Kimley-Horn was retained by the Delray Beach CRA for the design of permanent improvements to reduce north and southbound US 1 to two lanes each way and provide on-street parking on both avenues. These road diet improvements encouraged slower speeds and a safer, more pedestrian-friendly environment. The project included landscaping beautification and decorative, environmentally sensitive street lighting; irrigation design; bicycle lanes; and a new sense of continuity with Downtown area with pavers and decorative crosswalks.

Cost: \$1,185,000.00

Contact: Jeff Costello, costelloj@mydelraybeach.com, 561.276.8640

LINCOLN ROAD REDEVELOPMENT

The lighting for the redevelopment of the Lincoln Road Mall was designed to transform the renowned pedestrian way into a magical nighttime experience that celebrates and enhances the revered historical architecture, provides visual cues to assist with wayfinding and safety, engages the community to create an interactive attraction and enhances the retail experience.

HLB proposed dual light posts to provide ambient light while the pedestrian scale and nuance lighting creates a living room space that enhances the romantic restaurant atmosphere. Using cutting edge LED technology with integrated controls, the design provides a low maintenance energy effective corridor wide solution where people come to "see and be seen" at one of the main attractions of Miami Beach.

ARCHITECT

James Corner Field Operations

LOCATION

Miami, FL

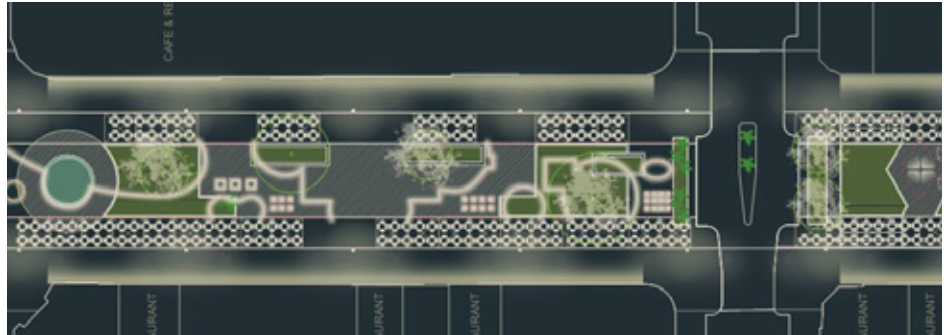


Photo Credits: James Corner Field Operations



Photo Credits: James Corner Field Operations

ASSEMBLY ROW



PROJECT HIGHLIGHTS

Custom catenary system
Site lighting & controls

ARCHITECT

Elkus Manfredi Architects (Architect for Block 1 & 4)
Spagnolo Gisness & Associates (Architect for Block 3)
Copley Wolff Design Group (Landscape Architect)

LOCATION

Somerville, MA

PROJECT BACKGROUND

1,750,000 SF | \$1.5 B

Illumination preserves the rich history of the Industrial Revolution in a new light.

One of the features of this new development was its important history. The original building was a Ford Edsel factory which inspired the development "Assembly Row". Eight of the original steel structures were preserved and placed along the waterfront as a gateway feature to the waterfront park. Lighting emphasized the massive open steel structure from within with only the pillars lit from below. These structures are visible from the town square as well as the waterfront and needed to be respectful of the residential neighborhood.

The public realm experience is brought to life through the use of color, texture, signage and specialty lighting strategies, all of which contribute to the creation of a vibrant urban district in Somerville.

This \$1.5 billion mixed-use neighborhood includes offices, stores, hundreds of homes, a new MBTA station, and a refurbished park. Major tenants, such as Legoland and AMC Cinemas, occupy the other levels allowing this parcel to be a true destination for retail and entertainment.

SAN JACINTO PLAZA

RENOVATION



PROJECT HIGHLIGHTS

Historic Monument Lighting
Water Feature Lighting

ARCHITECT

SWA Group

LOCATION

El Paso, TX

PROJECT BACKGROUND

1.7 Acres | \$6 M

Illumination evokes an elegant and inviting urban park for El Paso Visitors.

Once known for its live alligator enclosure, the re-imagined urban gathering space now offers amenities such as a botanical garden, outdoor reading room, produce market, children's splash pad, café, and an area for washoes (a game similar to horseshoes but with water). The new design also integrates historic elements such as Luis Jimenez's "Los Lagartos" statue, which pays homage to the park's former reptilian inhabitants. A shade structure protects the monument, which serves as a central axis point for the park.

HLB's scope included pathways, plazas, historical monuments, gardens, shade canopies, courtyards, and general lighting for water elements. Festoon lights over gathering spaces and perimeter LED tree uplights allow for a nighttime stroll with ambiance. Bollards integrate primary and secondary pathways into a cohesive lighting scheme, and strategically placed pole lights provide security, wayfinding, and aesthetically enhance the nighttime scene.

C

M

S CONSTRUCTION MANAGEMENT SERVICES, INC.

GOVERNMENTAL FACILITIES PROJECTS

CITY OF POMPANO BEACH - STREETSCAPES

Pompano Beach, Florida

CMS was asked by EDSA of Fort Lauderdale, Florida to provide Cost Estimating Services for a Pompano Beach two-phase, streetscapes project:

Phase I:

New utilities systems [drainage, water, sewer, gas, AT&T, electric] under the street, repaving the street; also, installation of new commercial grade bathroom fixtures, accessories, doors; including tile replacement, new signage, and improvements to wood structure plates

Phase II: New beach plaza which included revision of plaza area with an outdoor theatre with associated landscaping & furnishing, sidewalks; also, North and South Beach Bathrooms interior and exterior aesthetic improvements

- Scope of Work: Schematic Design, Design Development, Construction Documents Cost Estimating
- Total Probable Cost: \$5,889,299.00 (With Alternates, the additional costs are as follows):
Alternate #1 (Kiosk Building) = \$341,356.00; Alternate #2 (Shade Structure and Plaza Option #1) = \$376,186.00; Alternate #3 (Maintenance Upgrade & Improvements [North & South Beach Bathrooms]) = \$121,063.00; Alternate #4 (Playground and Sports & Fitness Equipment) = \$230,345.00; Alternate #5 (New Fountain) = \$342,581.00; Alternate #7 (N.E. 2nd Street Water Main Extension) = \$30,029.00; TOTAL ALTERNATES = \$1,396,384.00
- Year of Service: 2011



10 FAIRWAY DRIVE, SUITE 301, DEERFIELD BEACH, FL 33441

◆ TELEPHONE (954) 481-1611 ◆ FAX: (954) 427-3142

KEMERY@CMS-CONSTRUCTION-SERVICES.COM

C

M

S CONSTRUCTION MANAGEMENT SERVICES, INC.

GOVERNMENTAL FACILITIES PROJECTS

CITY OF FORT LAUDERDALE – LAS OLAS CORRIDOR IMPROVEMENTS

Fort Lauderdale, Florida

CMS was asked by EDSA of Fort Lauderdale, Florida to provide Cost Estimating Services for the redevelopment of the Las Olas Corridor from Fort Lauderdale Beach Intracoastal to SR A1A, which includes parking garages and parking lots with garden roof area, parks, continuous arcade for retail, widened sidewalks, landscaping, lighting, pavilions, promenades, playgrounds, grill area, restaurant, fountains, tables, bicycle racks, and benches. Estimates provided for this project included the construction of either two four-story parking garages or one eight-story parking garage. There were two options:

Option 1: Two four-story parking garages (188,542 SF and 161,076 SF) on north and south side of street

Option 2: One eight-story parking garage (339,202 SF) on north side of street

- Scope of Work: Order of Magnitude/Construction Documents Cost Estimating
- Total Probable Cost: Option 1: \$68,312,471.00; Option 2: \$57,850,073.00
(Plans for the Parking Garage Facility were changed to one (1) five-story Garage Facility; also, eliminated North Parking Lot)
\$48,759,555.00 (Redevelopment from Fort Lauderdale Beach Intracoastal to SR A1A)
- Year of Service: 2016



10 FAIRWAY DRIVE, SUITE 301, DEERFIELD BEACH, FL 33441

◆ TELEPHONE (954) 481-1611 ◆ FAX: (954) 427-3142

KEMERY@CMS-CONSTRUCTION-SERVICES.COM

C

M

S CONSTRUCTION MANAGEMENT SERVICES, INC.

GOVERNMENTAL FACILITIES PROJECTS

CITY OF FORT LAUDERDALE – BEACH STREETSCAPE IMPROVEMENTS

Fort Lauderdale, Florida

CMS was asked by Kimley Horn Associates, Inc. to provide Cost Estimates for a part of the City's extensive Redevelopment Plan which began its Planning Stage in 2014. This project originally involved streetscape improvements to Almond Avenue, Banyan Street from Seabreeze Boulevard to Almond Avenue and the south side of Poinsettia Street from Almond Avenue to SR A1A. Work included site demolition, landscaping, special sidewalks and curbs, new/resurface asphalt pavement roadway, street signage and striping, new light poles, site utilities, underground utilities (AT&T and FPL), and automatic bollards. In addition, a new restroom building was to be constructed on Sebastian Street. This project was downsized to SR A1A, Banyan, Poinsettia, and Sebastian Streets with many of the same improvements as above. This project encompassed approximately five acres.

- Scope of Work: Conceptual Order of Magnitude Cost Estimating
- Total Probable Cost: \$11,136,008.00
- Year of Service: 2016



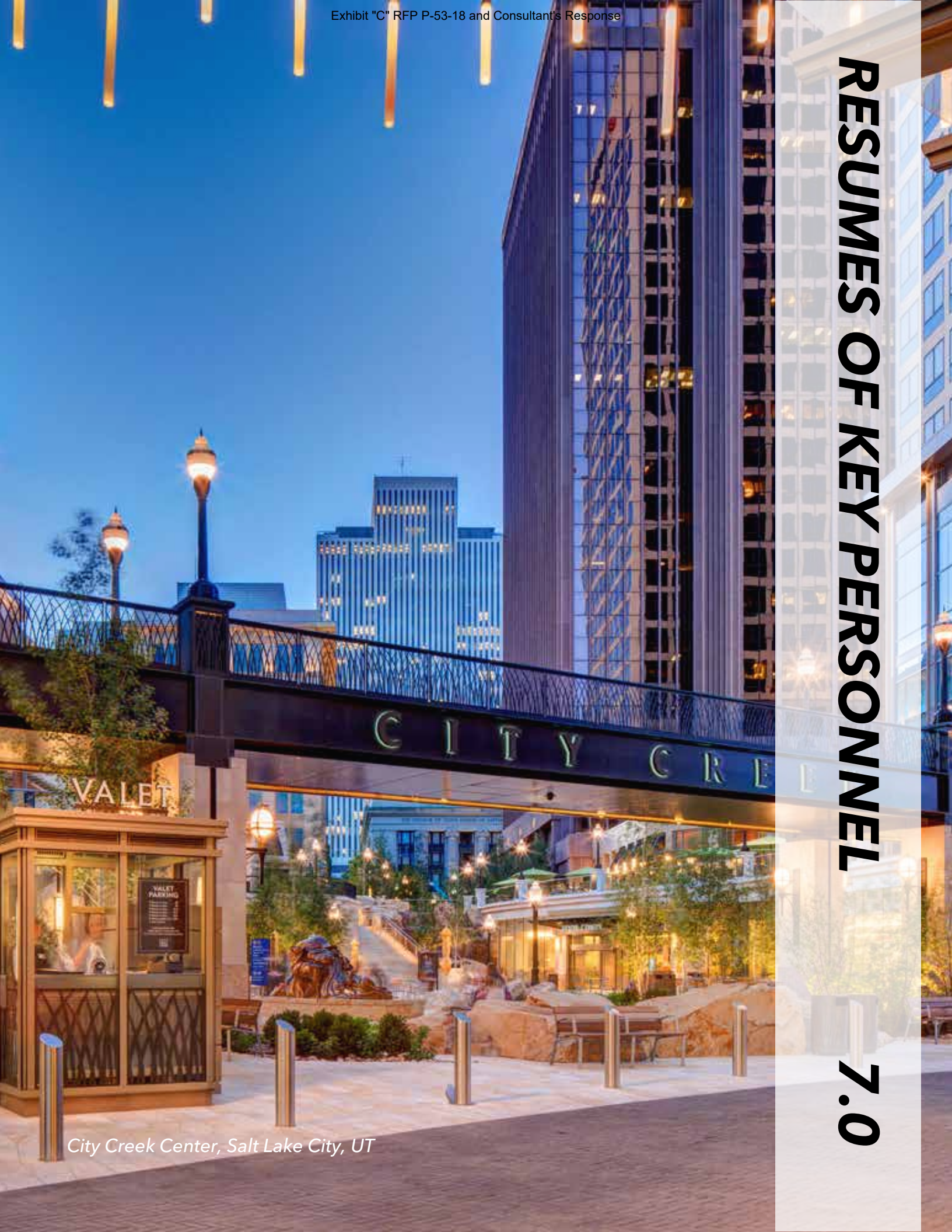
10 FAIRWAY DRIVE, SUITE 301, DEERFIELD BEACH, FL 33441

◆ **TELEPHONE (954) 481-1611** ◆ **FAX: (954) 427-3142**

KEMERY@CMS-CONSTRUCTION-SERVICES.COM

RESUMES OF KEY PERSONNEL

7.0



City Creek Center, Salt Lake City, UT



ADOLPHINE "DODIE" KEITH-LAZOWICK, PLS

President

Ms. Dodie Keith-Lazowick, with over 41 years of professional experience, succeeds her father, Bill Keith, as a second-generation professional surveyor, President and Managing Principal of the firm. By continuing the civic philosophy and commitment to professional excellence, the firm has grown to over 100 qualified staff members and services South Florida. Ms.

Keith-Lazowick handles the daily operations of the firm serving as the Corporate Officer for all contracts, assuming responsibility for providing sufficient resource allocations and corporate commitment to our diverse client base.

Ms. Keith-Lazowick is well known to the community and the agencies through her years of professional practice, local involvement and as a 55+ year resident of Broward County. Her extensive experience in South Florida has encompassed many phases of planning, design and construction including Civil Engineering, Surveying and Mapping, Comprehensive Land Planning, Landscape Architecture, Subsurface Utility Locations and Utility Coordination, and Construction Management. As a Senior Project Coordinator-Manager, she has supervised and provided complete development services of both public and private projects for commercial, industrial, transportation, aviation, marine, mixed-use and residential developments. She has particular expertise in governmental liaison and has been extremely successful as an advocate for the permitting and approvals of our projects due to her professional proactive approach.

RELEVANT PROJECT EXPERIENCE

City of Pompano Beach & CRA Miscellaneous Engineering Services Contract: (2002-ongoing)

KEITH has served as the General Engineering Consultant for the City of Pompano Beach for over 16 years. Ms. Keith-Lazowick is the Contract Manager/Elected Officials Liaison for the firm on an as needed basis. Many of the project assignments have been in the redevelopment of roadways, parking facilities and utility infrastructure design. All services of the firm are utilized including planning, civil engineering, surveying, subsurface utility engineering, and landscape architecture.

City of Deerfield Beach & CRA Miscellaneous Engineering Services Contract: (2004-ongoing)

KEITH has served as the General Engineering Consultant for the City of Deerfield Beach for over 14 years. KEITH is providing on-going continuing serves as needed including engineering and surveying and mapping services to the municipality. Ms. Keith-Lazowick serves as the senior staff/elected officials liaison for the firm.

City of Parkland Miscellaneous Planning & Engineering Services Contract: (2007-ongoing)

KEITH has served as the General Planning and Engineering Consultant for the City of Parkland for over 11 years. KEITH is providing on-going continuing serves as needed including general planning, engineering and surveying and mapping services to the municipality. Ms. Keith-Lazowick serves as the senior staff/elected officials liaison for the firm.

MLK Boulevard Educational Corridor Improvements (LAP Design), Pompano Beach, FL:

KEITH was selected as the Prime Consultant to provide professional engineering design and related services to the City of Pompano Beach and the Pompano Beach Northwest Community Redevelopment Agency (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. The improvements include new sidewalks, dedicated bicycle lanes and roadside swales along both sides of the roadway, roadway milling and resurfacing, and new landscape enhancements.



Years of Experience
41

Education
B.S. Land Surveying,
University of Florida,
1982

Professional Registrations
Professional Surveyor &
Mapper, State of Florida,
#4105 (1984)

Professional Affiliations
Florida Survey and
Mapping Society (FSMS)

*American Congress on
Surveying and Mapping*

*National Society of
Professional Surveyors*

Publications
Co-editor, "Laws and
Regulations Affecting
Surveying Practice in
Florida," ACSM/FSPLS
Student Chapter, 1982

Co-author, "Total Station
Capability," Proceedings
of the ASCM, Fall 1984,
San Antonio, Texas



Lori Treviranus, PE

Vice President of Transportation



Years of Experience
17

Education
B.S. Civil Engineering,
University of Florida,
2000

Professional Registrations
State of Florida
Professional Engineer,
#73684 (2011)

Professional Certifications
Qualified SWPPP
Development/
Practitioner, California
#66408

Professional Affiliations
American Society of Civil
Engineers (ASCE)

Ms. Lori Treviranus has over 17 years of experience in civil engineering, providing the highest quality infrastructure and facility solutions to transportation agencies, local governments, private developers and institutional clients. She is experienced in roadway design, intersection development, super-elevation transitions, roadway modeling, cross-sections, pedestrian/bike paths, master planning, hydrology/hydraulic studies, cost estimation, stormwater control plans preparation, drainage and utility design, NPDES permitting and SWPPP preparation and implementation. In addition, she is familiar with the surveying aspect of civil engineering and has experience working with sustainable designs. Typical scopes of work she has been responsible for include acquisition and due diligence tasks, creation of conceptual plans and assistance with funding throughout the project phases and public outreach activities.

RELEVANT PROJECT EXPERIENCE

FDOT District 4, Design Services for Washington Street and 72nd Avenue Mobility Improvements, Hollywood, FL: This project will widen existing portions of Washington Street and 72nd Avenue to accommodate installation of bike lanes, while performing ADA upgrades and drainage improvements as needed. This project's stakeholders include FDOT, the City of Hollywood and the Broward County Metropolitan Planning Organization (MPO). Ms. Treviranus is responsible for coordinating with these agencies, while leading the design team.

FDOT District 4, SE 3rd Avenue from SE 17th Street to SE 6th Street, Broward County, FL: This project included the milling, resurfacing and restriping of SE 3rd Street to convert a five-lane roadway to a four-lane roadway with buffered bicycle lanes in downtown Fort Lauderdale. The project concept created a complete street to accommodate multiple road users, while also preserving the Town's historic oak tree canopy and utilizing context sensitive solutions to avoid tree removal. ADA ramps were improved or added, crosswalks were striped and drainage modifications were included at the SE 14th Street intersection. The project also replaced/installed new signage necessary to conform to MUTCD and current Greenbook Design Standards. The key issue of this project was coordination; we coordinated with the City of Fort Lauderdale and Broward County for their preferences and standards, Broward County Metropolitan Planning Organization (MPO) since they funded a portion of the project and FDOT District 4 as the client and project facilitator.

FDOT District 4, SW 56th Avenue from Pembroke Road to Stirling Road, Broward County, FL: Ms. Treviranus served as the Project Manager for this complete street mobility project which includes the widening, milling and resurfacing of SW 56th Avenue to add 7-foot buffered bicycle lanes for the length of the project. ADA ramps improvements, signing and pavement markings and replacement/installation of new signage as necessary to conform to MUTCD and current Greenbook Design Standards is included in the contract. The key issue of this project is coordination; we are coordinating with the City of Fort Lauderdale and Broward County for their preferences and standards, Broward County Metropolitan Planning Organization (MPO) since they are funding a portion of the project and FDOT District 4 as the client and project facilitator.

FDOT District 5, SR 40 - Volusia County, FL: Ms. Treviranus served as a subconsultant and provided a temporary traffic control plan (TTCP), signing and pavement markings, signal design for six intersections, pedestrian crossing upgrades, new roadway and railroad warning loops and video detection. This segment of SR 40, from Tymber Creek Road to Perrott Drive, is classified as both rural and urban. Posted speeds vary from 45 to 50 MPH. The corridor is a hurricane evacuation route; the TTCP included notes for the contractor to be able to open the roadway within 12 hours of a declared emergency.



ALEX LAZOWICK, PE, M.ASCE

Executive Vice President

Mr. Lazowick was introduced to civil engineering and construction by his grandfather, Mr. Bill Keith, founder of the firm. He is eager for the challenge to be the third family generation professional working to provide quality developments within the South Florida community. Mr. Lazowick has gained experience in civil engineering design projects including water, sewer and drainage systems, roadway design, permitting, and construction

administration services. He understands the importance of working together as a team to quickly identify and establish project goals and achieve successful results in the most expedient and cost effective manner. His qualifications include knowledge with AutoCAD Civil 3D, Navisworks, Revit, BIM, Microsoft Office, computer networking, and he possesses excellent communication skills. Mr. Lazowick is also a Board Member for the Parks Foundation of Broward County, focusing on supporting and promoting the overall benefits of maintaining and improving a healthy and sustainable park, recreation and natural area system for residents of an visitors to Broward County.

RELEVANT PROJECT EXPERIENCE

City of Pompano Beach Miscellaneous Civil Engineering Services, Pompano Beach, FL: KEITH has served as the General Engineering Consultant for the City of Pompano Beach for over 16 years. Mr. Lazowick serves as one of the Project Engineers for the firm on an as needed basis. Many of the project assignments have been in the redevelopment of roadways, parking facilities and utility infrastructure design. All services of the firm are utilized including planning, civil engineering, surveying, subsurface utility engineering, and landscape architecture.

Pompano Beach Design/Build Pier Beach Parking Garage, Pompano Beach, FL: The new Pompano Beach Pier/Beach Parking Garage is located at the southeast corner of North Ocean Blvd. (SR A1A) and NE 3rd Street on a 3.5-acre site. The new parking garage includes five stories, 625 parking spaces, speed ramp to facilitate access to higher levels of the garage and some retail space on the ground level fronting NE 3rd Street and the new Pier Street. As part of the design-build team, KEITH was responsible for planning, surveying, utility coordination/investigation, civil engineering, landscape design and construction inspection of the project.

Lyons Road Median Improvements, Coconut Creek, FL: KEITH served as the CEI and contract manager to the City of Coconut Creek Department for General Engineering Services Contract for this FDOT funded Local Agency Program (LAP) roadway improvement project. KEITH served in the capacity of CEI Project Manager on behalf of the City to manage enhancements of a roadway median project along Lyons Road between Copan's Road and Coconut Creek Parkway. The project included coordination with the City, the design engineer, FDOT and the site contractor.

Relocation of South Perimeter Rd (Part of South Runway 10R/28L Expansion Lead Design Team Project at Fort Lauderdale/Hollywood International Airport), Fort Lauderdale, FL: (Sub-Consultant to Atkins) Mr. Lazowick served as a project engineer for the relocation of South Perimeter Rd. Due to the south runway expansion south Perimeter Road had to be relocated. His role was to analyze the area, find the best path for the relocated road, and coordinate this location with all involved parties. Once the alignment was set, he designed the road in civil 3D, developed construction plans and specifications. Mr. Lazowick also performed CEI work to insure the design was followed.

MLK Boulevard Streetscape Improvements (from Dixie Highway to NW 6th Ave), Pompano Beach, FL: KEITH was awarded this project as the Prime Consultant and assembled a multi-disciplinary team to complete all design aspects. The proposed improvements included multi-modal (pedestrian/bicycle/transit) friendly streetscape with landscape/hardscape beautification features along MLK Boulevard including special pavement materials, new pedestrian level and roadway decorative lighting, streetscape furnishings, utility adjustments (including undergrounding overhead FPL/Comcast/AT&T lines), and overall drainage, utility and roadway improvements. KEITH was responsible for the overall team management, engineering, permitting, planning, surveying, public consensus and construction management.



Years of Experience
10

Education
B.S. Civil Engineering,
University of North
Florida, 2010

Professional Registrations
Professional Engineer,
State of Florida, #78625
(2015)

Professional Affiliations
ASCE Member

FES Member

BIM Smart Foundation
Member

BuildingSMART
Foundation Member

Professional Certifications
Troxler Nuclear Gauge

FDOT Workzone Traffic
Control Intermediate
Level MOT

30 Hour OSHA
General Industry safety
and health hazard
recognition and
prevention



STEPHEN WILLIAMS, PE
Vice President of Civil Engineering



Years of Experience
48

Education
B.S. Civil Engineering,
University of Florida,
1997

Professional Registrations
State of Florida
Professional Engineer,
#32090 (1982)

Professional Affiliations
American Society of
Civil Engineers (ASCE),
Member

Florida Engineering Society (FES), Member

National Society of Professional Engineers (NSPE)

Mr. Stephen Williams has been engaged in civil and transportation engineering design and construction in South Florida since 1970. Mr. Williams has served as the record engineer for numerous transportation, utility, water management, municipal, aviation, recreation, roadway and land development (governmental, residential, mixed-use and commercial) projects in South Florida. These include projects at Florida's Turnpike, Miami International and Fort Lauderdale-Hollywood International Airports and multiple projects for the local municipalities, school districts and universities. Projects have included roadway and site engineering design and analysis (paving, grading, drainage, water and sanitary sewer design and construction administration) for both private and governmental clients. He has served as the general municipal civil engineering consultant to cities of Oakland Park, Miramar, Plantation, Fort Lauderdale, Sunrise, Pompano Beach and Tamarac throughout his career.

RELEVANT PROJECT EXPERIENCE

Margate CRA General Engineering Consulting Services, Margate, FL: KEITH is currently providing civil engineering, surveying, utility locating, landscape architecture, traffic and environmental services for this continuing services contract for the City of Margate CRA. Mr. Williams is serving as KEITH's contract manager responsible for overseeing providing professional engineering services for projects identified in the CRA's Capital Improvement Plan and miscellaneous engineering services. Signature projects include: Colonial Drive Traffic Calming, Pedestrian Routing and Streetscape Improvements; Winfield Boulevard Traffic Calming and Streetscape Improvements; Atlantic Boulevard Streetscape Improvements.

Continuing Contract for Professional Engineering Services, Town of Southwest Ranches, FL: KEITH is providing civil engineering and civil engineering inspection and review services for this continuing services contract. Mr. Williams is serving as KEITH's contract manager responsible for providing professional engineering services for projects identified in the City's Capital Improvement Plan and miscellaneous engineering services.

10th Street General Consulting, Deerfield Beach, FL: Mr. Williams coordinated with FDOT's Metropolitan Planning Organization, the Community Oversight Advisory Team (COAT) Committee and officials from the City of Deerfield Beach Administration department to achieve the City's objectives for the 10th Street Corridor through the City. The City is interested in addressing the traffic volume issues along the SW 10th Street corridor between Florida's Turnpike and I-95, reducing the congestion, improving the access for the adjacent businesses and preserving and improving the residential communities adjacent to the corridor.

City of Tamarac, Bikeway Feasibility Study, Tamarac, FL: Mr. Williams served as the Project Manager under this general engineering contract, conducting a feasibility study for possible bikeways in the City. He assessed the existing conditions and identify potential economic benefits for the City that may result from the implementation of a bikeway system. As part of the study, he conducted a community workshop to get citizen input to determine need, possible locations and potential costs of various locations and pathways.

NE/NW 6 Street (Sistrunk Boulevard), Fort Lauderdale, FL: This 2.3-mile urban corridor is a Streetscape and Enhancement Project from NW 24th Avenue to Federal Highway (US-1). Mr. Williams served as the lead site design engineer and Project Manager during the construction phase. This project involved lane reductions, on-street parking, wider sidewalks, drainage improvements, decorative street and pedestrian lighting, bus shelters, landscaping, signalization upgrades and sanitary sewer design. Post Design Services representative to City.



MARK CASTANO, PE

Project Manager II



Years of Experience
21

Education
B.S. Civil Engineering,
Florida International
University, 1997

*Professional
Registrations*
Registered Professional
Engineer, State of
Florida, #75644 (2013)

Professional Affiliations
Florida Engineering
Society (FES) Member

*American Society of
Civil Engineers (ASCE),
Member*

Mr. Mark Castano has more than 21 years of experience in Civil Engineering projects throughout South Florida. His qualifications include planning, engineering design, permitting, construction administration and project management for a variety of Civil Engineering projects. His experience includes designing and managing a wide variety of public and private land development (residential, commercial, institutional and industrial) projects. He has extensive technical knowledge in water distribution systems, stormwater management systems, sanitary sewer systems including sewer lift stations, gravity sewers and force mains, roadway design throughout Miami-Dade, Broward and Palm Beach counties. Mr. Castano has had numerous project management responsibilities including managing contracts, multi-disciplinary teams, municipal Capital and Engineering programs, managing and setting up bid procurement processes and preparation and monitoring project budgets.

RELEVANT PROJECT EXPERIENCE

City of Pompano Beach & CRA Miscellaneous Engineering Services Contract, Pompano Beach, FL: KEITH has served as the General Engineering Consultant for the City of Pompano Beach for over sixteen years. Mr. Castano serves as Project Manager for many of the project assignments that have been in the redevelopment of roadways, parking facilities and utility infrastructure design. All service of the firm are utilized including planning, civil engineering, surveying, subsurface utility engineering and landscape architecture.

Pompano Beach Boulevard Streetscape, Pompano Beach, FL: KEITH is responsible for Surveying and Civil Engineering Design for the development of a unique beach front venue including enhancement of roadway and on-street parking pedestrian streetscape/ landscape, drainage improvements, relocation, utility infrastructure along Pompano Beach Blvd and undergrounding of overhead Utilities from Atlantic Blvd to NE 5th Street.

MLK Boulevard Educational Corridor Improvements (LAP Design), Pompano Beach, FL: KEITH was selected as the Prime Consultant to provide professional engineering design and related services to the City of Pompano Beach and the Pompano Beach Northwest Community Redevelopment Agency (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. The improvements include new sidewalks, dedicated bicycle lanes and roadside swales along both sides of the roadway, roadway milling and resurfacing, and new landscape enhancements.

MLK Boulevard Streetscape Improvements (from Dixie Highway to NW 6th Ave), Pompano Beach, FL: KEITH was awarded this project as the Prime Consultant and assembled a multi-disciplinary team to complete all design aspects. The proposed improvements included multi-modal (pedestrian/bicycle/transit) friendly streetscape with landscape/hardscape beautification features along MLK Boulevard including special pavement materials, new pedestrian level and roadway decorative lighting, streetscape furnishings, utility adjustments (including undergrounding overhead FPL/Comcast/AT&T lines), and overall drainage, utility and roadway improvements. KEITH was responsible for the overall team management, engineering, permitting, planning, surveying, public consensus and construction management.

SR A1A S-Curve Pedestrian Calming, Deerfield Beach, FL: Mr. Castano provided complete engineering design, project management, permitting, construction administration and certification services for this roadway beautification and safety improvement project for a portion of State Road A1A in the City of Deerfield Beach. The project included extensive public participation/workshops for the addition of paver walkways/crosswalks, decorative street lighting, landscaping, drainage and utility improvements.



JAMES THIELE, PE
Project Manager III



Years of Experience
38

Education
B.S. Civil Engineering,
University of Miami,
1978

Professional Registrations
Professional Engineer,
State of Florida, #33256
(1983)

Mr. James Thiele has over 30+ years of experience in performing Land Development Civil Engineering in South and Central Florida as well as central Pennsylvania. His experience includes all aspects of site planning, grading and drainage, sanitary sewer collection, water distribution system design and construction supervision services. His experience includes senior level project oversight and management of multiple stages of the design and development processes for residential, recreational, commercial, industrial and institutional developments. His ability to reduce complex technical language to readily understandable terms has afforded him numerous assignments representing governmental bodies for the firms he has worked for. Utilizing his vast experience, he has mentored scores of other Engineers that have gone on to successful noteworthy careers. All the projects Mr. Thiele has worked on required interaction and coordination with multiple governing agencies as well as other professional disciplines. Knowing the process from conception to project close-out affords him the ability to foresee issues that affect costs, schedule and quality of a project. He uses this knowledge and experience to quickly address and solve any problems that inevitably arise during a project and proactively seeks to remediate any issues for the client's best interest.

RELEVANT PROJECT EXPERIENCE

SR-A1A Landscaping and Crosswalks, Deerfield Beach, FL: KEITH is providing landscape architecture, civil engineering design, permitting and construction administration services to add landscaping and crosswalks for SR-A1A between SE 3rd Street and NE 7th Street. The 3R project includes drainage improvements, new asphalt, bike lanes and sidewalks.

NE 3rd Avenue Roadway Improvements, Deerfield Beach, FL: KEITH is providing Construction Administration and CEI services for this Joint Participation Agreement (JPA) roadway improvement project. The project consists of widening NE 3rd Avenue from an existing two lane roadway section into a four-lane roadway between Sample Road to the south and NE 48th Street to the north (approximately 0.9 miles).

Holmberg Roadway Improvements, Parkland, FL: KEITH was selected to provide professional engineering design, surveying, SUE, completed construction administration and related services to the City of Parkland for roadway improvements along Holmberg Road between Pine Island Road to the west and University Drive to the east. Phase II of the project included the addition of Roadside Flashing Beacons (RRFBs) at the intersection of Holmberg Rd. and NW 87th Ave. The roadway improvements included incorporating new dedicated bicycle lanes and roadside swales along both sides of the roadway, roadway milling and resurfacing (with some widening), miscellaneous safety improvements, landscape adjustments, overall drainage and roadway improvements.

City of Deerfield Beach & CRA Miscellaneous Engineering Services Contract: KEITH has been providing ongoing continuing serves providing as needed General Engineering and Surveying and Mapping services to the municipality on an as needed basis for the last 14 years. Mr. Thiele works with the contract manager and oversees all aspects of the Engineering design. Some projects provided under these contracts include: Hillsboro Boulevard Beautification & Utility Improvement, Beach Dune Re-Nourishment Program, Ocean Way Improvement, The Cove Shopping Center Drainage & Beautification Improvement.



MICHELLE MELO, EI

Project Manager I

Ms. Melo has more than seven years of experience in transportation design and engineering, as well as all aspects of traffic operations, including signing and pavement markings, signalization and roadway lighting. She is well versed with Florida Department of Transportation (FDOT) standards, procedures and preferences, having provided support for a number of

FDOT roadway and traffic design projects.



RELEVANT PROJECT EXPERIENCE

FDOT D4 Design Services Washington Street & 72nd Avenue Mobility Improvements, Hollywood, FL: KEITH is the prime consultant providing services on the SW 72nd Ave. and Washington Street Mobility Improvements Project. The project will include the addition of bicycle lanes and pedestrian improvements to each corridor. KEITH will also provide roadway drainage, signing and pavement marking, landscaping, survey, SUE, utility coordination, Geotech, and public involvement services.

FDOT D4, SE 3rd Avenue from SE 17th Street to SE 6th Street, Broward County, FL: This project included the milling, resurfacing, and restriping of SE 3rd Street to convert a five-lane roadway to a four-lane roadway with buffered bicycle lanes in downtown Fort Lauderdale. The project concept created a complete street to accommodate multiple road users, while also preserving the Town's historic oak tree canopy and utilizing context sensitive solutions to avoid tree removal. ADA ramps were improved or added, crosswalks were striped, and drainage modifications were included at the SE 14th Street intersection. The key issue of this project was coordination; we coordinated with the City of Fort Lauderdale and Broward County for their preferences and standards, Broward County Metropolitan Planning Organization (MPO) since they funded a portion of the project, and FDOT District 4 as the client and project facilitator.

FDOT D1, SR 683 (US 301) at SR 70, Manatee County, FL: Ms. Melo completed roadway plans to remove the existing northbound and southbound acceleration lanes along US 301, reduce the return radii, and add an eastbound right turn lane along SR 70. Other aspects of the project included the relocation of two drainage structures, reconstruction of the ADA ramps, utility coordination, temporary traffic control plans (TTCP), roadway lighting, signalization, and signing and pavement markings. The intersection lighting was designed to higher lighting levels to provide greater safety and place emphasis on the crosswalks.

FDOT D5, SR 530 (West Irlo Bronson Memorial Highway) from Bali Boulevard to Secret Lake Drive, Orange County, FL: This project entailed the milling and resurfacing plans for SR 530 from east of Bali Boulevard to east of Secret Lake Drive, a 1.73-mile long project and the widening of 16 right turn lanes to accommodate for bicycle keyhole lanes. The typical section along the corridor included a four-lane divided urban section with a 40-foot median, flush shoulders, and 4-foot paved outside shoulders. The cross slopes throughout the SR 530 project were reviewed and although there were two curves with reverse crown on the outside lane, the crash history did not support the costly corrections.

FDOT D5, SR 5 (US 1) from Elaine Drive to Jay Jay Road, Brevard County, FL: This was a 2.30-mile project from east of Elaine Drive to Jay Jay Road as part of a District 5 Districtwide Miscellaneous Design contract. Project elements included milling and resurfacing, widening for keyhole bicycle lanes, cross slope correction, minor drainage, a stormwater pollution prevention plan (SWPPP), utility coordination, signing and pavement markings, signalization, and a temporary traffic control plan (TTCP). The project also required coordination with airport and local government.

Years of Experience
7

Education
B.S. Civil Engineering,
University of Central
Florida, 2012

*B.S. Construction
Engineering, University
of Central Florida, 2012*

*Professional
Registrations*
State of Florida
Engineering Intern
#100016861

Professional Affiliations
Women Advancing in
Transportation (WTS)
Central Florida Chapter,
Member

*American Society of
Civil Engineers (ASCE),
Member*



THOMAS DONAHUE, PE

Director of Engineering



Years of Experience
40

Education
B.S. Civil Engineering,
Northeastern University,
1978

Professional Registrations
State of Florida
Professional Engineer,
#60529 (2033)

Professional Affiliations
National Association
of Industrial and Office
Parks (NAIOP) Member

Institute of Transportation Engineers, Gold Coast Chapter Member

American Society of Civil Engineers Member

Mr. Thomas Donahue has more than 40 years of experience in civil engineering projects including 15 years in South Florida. His qualifications include engineering design, quality assurance/quality control management, planning and environmental studies. Mr. Donahue's comprehensive experience includes: residential, commercial and industrial development, site plans, airports, highways, environmental analysis, local, state and federal permitting, right-of-way plans, utility and military designs. Project management experience includes management of professional staff of engineers, landscape architects and CAD personnel, development of project scope of work, contract negotiations, budgets, scheduling, quality control, oversight of resident inspectors and surveyors, review and processing of contractor's pay requests and client contact.

RELEVANT PROJECT EXPERIENCE

Signalization & Pavement Marking Improvements along MLK Boulevard at Intersections with Blount Road and NW 31st Avenue, Pompano Beach, FL: As part of our General Engineering Continuing Contract with the City of Pompano Beach, KEITH is currently providing engineering, surveying and SUE services to provide new signalization to the Blount Road and MLK Boulevard intersection that will link and properly sequence with the existing signal at NW 31st Avenue and MLK Boulevard.

MLK Boulevard Streetscape Improvements (from Powerline Road to NW 31st Ave/Turnpike), Pompano Beach, FL: KEITH was selected to provide professional engineering design and related services to the City of Pompano Beach and the Pompano Beach CRA for roadway improvements along MLK Boulevard (aka Hammondville Road) between NW 31st Avenue (turnpike ramp) and Powerline Road in accordance with the Phase II "Educational Corridor" improvements. The roadway improvements include incorporating new sidewalks, dedicated bicycle lanes and roadside swales along both sides of the roadway, roadway milling and resurfacing with some widening and other miscellaneous improvements.

Miami-Dade Public Schools, Miami-Dade County, FL: Mr. Donahue served as QA/QC Manager responsible for internal quality assurance and quality control aspects during project design and the construction process to ensure that all designs met local, state and federal compliance and internal QC processes. Projects included:

- Southwest Miami Senior High School, Miami, FL
- Hialeah-Miami Lakes Senior High School, Hialeah, FL
- Benjamin Franklin K-8 Center, North Miami, FL

Waste Management Center Beautification Project, Broward County, FL: Mr. Donahue managed all aspects of the project including the conceptual and final design, tree assessment and mitigation, permit coordination, construction administration of perimeter streetscape, facility signage, entry features and amenities.

Pompano Beach Municipal Golf Course, Pompano Beach, FL: Mr. Donahue provided civil engineering services as a consultant to the Greg Norman Golf Course Design Company for design, permitting and construction of the new signature golf course for the City of Pompano Beach. The project involved complete regrading of the site including dredging and filling of lakes and installation of a new irrigation system. This was Greg Norman's first municipal golf course design and provided the City of Pompano Beach with one of the finest municipal golf courses in Florida and a pillar for the community for both residents and tourists.



STEVE HIGH

Engineering Inspector II



Years of Experience
46

Education
Broward College
Palm Beach College

Professional Registrations
FDEP Stormwater
Management Inspector
License #5696

Professional Certifications
Asphalt Paving
Technician Level 1

Earthwork Construction Inspection, Level 1

Concrete Field Technician, Level 1

ACI Concrete Field Testing Technician, Grade I

Troxler Nuclear Gauge

Final Estimates Level 1

FDOT Temporary Traffic Control - Advanced

Drilled Shaft Inspection

Auger Cast Pile Inspector's Course

IMSA Traffic Signals Level 1

10-Hour OSHA Safety Certification

Mr. Steve High joined the firm in 2008 and has more than 46 years of experience in land development, project management, roadway and utility construction inspection. He has managed daily construction activities relating to earthwork operations, asphalt paving, utility relocations, concrete placement and drainage pipe installation. His experience includes preparing daily inspection reports on all activities, job progression, personnel and equipment, as well as interfacing with contractors on behalf of clients and accountability for job site coordination. His current capacity of Senior Construction Inspector requires monitoring and inspection of all phases of construction work, as well as coordination with clients, contractors, public agencies, utilities and affected property owners. His experience includes project management and field engineering inspection experience for both public and private projects.

RELEVANT PROJECT EXPERIENCE

Lyons Road Median Improvements, Coconut Creek, FL: KEITH served as the construction engineering inspection and contract manager to the City of Coconut Creek Department for General Engineering Services Contract for this FDOT funded Local Agency Program (LAP) roadway improvement project. The firm served in the capacity of CEI Project Manager on behalf of the City to manage enhancements of a roadway median project along Lyons Road between Copan's Road and Coconut Creek Parkway. The project included coordination with the City, the design engineer, FDOT and the site contractor. The team was directly responsible for all FDOT, LAP, EEO and Davis-Bacon Wage Rate Compliance monitoring and interviews.

State Road A1A, S-Curve Phase I and Phase II, Deerfield Beach, FL: Mr. High provided engineering construction administration, inspections and certifications for a portion of State Road A1A in the City of Deerfield Beach, between Hillsboro Boulevard and NE 20th Terrace. Special consideration was given to drainage and utility relocations and inclusion of paver walkways and decorative street lighting. Safety and MOT were of particular concern in this high pedestrian traffic corridor.

Hillsboro Boulevard (S.R. 810) Improvements, Deerfield Beach, FL: Mr. High served as our Senior Inspector for this Streetscape and utility improvement project from US1 to A1A. Scope includes roadway milling, resurfacing, reconstruction, drainage improvements, box culvert rehabilitation, signalization, pavement markings/signage, landscape/irrigation, streetscaping, lighting/electrical, burial of overhead utility lines, water main replacement and other incidental construction activities. Mr. High was responsible for monitoring the construction activities, inspections and detail reporting of all phases of construction work.

Sidewalk Extension NE 27th Avenue, Lighthouse Point, FL: KEITH provided professional services for the design, permitting and CEI services for the installation of 5-foot wide sidewalk along the West side of NE 27th Avenue from NE 51st Street to just South of the Northern municipal limits of Lighthouse Point. The sidewalk is approximately 1,500 feet. Mr. High served as the construction engineering inspector responsible for the project.

Commercial Boulevard Turn Lanes, Sunrise, FL: Mr. High was the Senior Engineering Inspector for widening/addition of a turn lane and transition components including paving, drainage infrastructure, curb and gutter, signage and striping. His responsibilities included witnessing and verification of earthwork compaction and asphalt placement, Maintenance of Traffic (MOT), compliance with specifications & coordination with contractor personnel.



LISA BERNSTEIN, PE
Director of Traffic Engineering



Years of Experience
34

Education
B.S. Civil Engineering,
University of Central
Florida, 1995

Professional Registrations
State of Florida
Professional Engineer,
#55470 (1999)

Professional Certifications
FDOT Advanced
Maintenance of Traffic

Professional Affiliations
Fellow, Institute of
Transportation Engineers
Member, Florida Section

Ms. Lisa Bernstein, PE, is an accomplished transportation engineer with over 30+ years of experience in both the public and private sector. She has reviewed and managed projects from roadway construction to traffic impact studies. She is proficient in plan design and review including site plans, signing and marking, signalization, traffic control agreements, permit review and submittals. She has prepared and reviewed trip generation reports, traffic impact studies, signal warrant analyses, parking studies, roadway compliance reports, crash analyses and land use amendments. Ms. Bernstein interacts well with clients and government staff to produce positive results that benefit the project. KEITH is certified with the Florida Department of Transportation for the following Group 6 and 7 Traffic Engineering services: 6.1 Traffic Engineering Studies, 6.2 Traffic Signal Timing, 7.1 Signing, Pavement Marking and Channelization, 7.2 Lighting, 7.3 Signalization.

RELEVANT PROJECT EXPERIENCE

Signalization and Pavement Marking Improvements along MLK Boulevard at Intersections with Blount Road and NW 31st Avenue, Pompano Beach, FL: KEITH is currently providing professional services for the signalization and pavement marking improvements along MLK Boulevard at the Blount Road and NW 31st Avenue intersections. The new signalization to the Blount Road intersection will facilitate safe and reasonable access for southbound traffic on Blount Road to access MLK Boulevard and will properly sequence with the existing signal at NW 31st Avenue. The design plans provided by KEITH include pavement markings, paving, curbing, signage, conduit trenching, grading and sodding, including a complete set of traffic signal design plans to construct a new mast arm assembly at the intersection of Blount Road and MLK Boulevard.

East Sunrise Blvd Traffic Signal and Lighting Design: Middle River Drive to NE 26 Ave, Sunrise, FL: Ms. Bernstein provided professional traffic signal design services, as the Engineer of Record, for three (3) intersections along with corridor lighting for East Sunrise Blvd from Middle River Drive to NE 26 Ave. The project included full signal plan at three (3) intersections that were being converted from span wire to mast arms and high mast lighting. Ms. Bernstein prepared the signal plans, including underground utility locations, signal interconnect, mast arm design, traffic signal timing and pavement markings. The lighting plans included circuit runs, power service required, pole design, using concrete spun poles, and roadway lighting placement design. The mast arm tabulation included signal head location, arm lengths and pole types. New interconnect was provided as part of the upgrade.

Signal Design, Broward County, FL: Ms. Bernstein performed various signal designs throughout Broward County including:

- Commercial Boulevard from NW 47th Avenue to NW 33rd Avenue
- Sunrise Boulevard from Middle River Drive to NE 26th Avenue
- SR7 and Prospect Road
- University Drive at Nova Southeastern and SE 36th Street
- Broward County School Flashers at SR7 and NW 41st Street
- Hollywood Fire Station Signal at 2741 Stirling Road

Transportation Study SR-A1A Hillsboro Beach Boulevard to Boca Raton City Limits, Deerfield Beach, FL: Ms. Bernstein served as project manager for this transportation study consisting of traffic counts, pedestrian counts, conceptual roadway alignment designs and parking evaluations.



PAUL WEINBERG, PLA, ASLA

Vice President of Planning and Landscape Architecture



Years of Experience
18

Education
B.S. Landscape
Architecture, Michigan
State University, 2000

*Professional
Registrations*
Registered Landscape
Architect, State of
Florida, #LA6666804
(2005)

*Council of Landscape
Architecture Registration
Boards (CLARB Certified)*

Professional Affiliations
Urban Land Institute,
Member

*American Society of
Landscape Architects
(ASLA), Member*

*American Resort
Development
Association (ARDA),
Member*

*Riverwalk Trust, Board
Member*

*MSU Landscape
Architecture Advisory
Board, Board Member*

Mr. Paul Weinberg is a multi-talented designer and team leader who has been based in South Florida since 2000. During this time, he has worked with a variety of significant public and private sector projects including urban parks, hotels, campuses, plazas, mixed-use development, entertainment districts, streetscapes, waterfront and residential projects that provide meaning and purpose to the community. He has a unique understanding of how to create immersive, authentic and memorable spaces that create place identity to bring vitality to each district. He is committed to a team-based approach that delivers creative, thought-provoking solutions tailored to the distinct character of each project. This collaboration starts with the multi-disciplinary approach at KEITH and builds to include other partners, consultants, and co-collaborators.

RELEVANT PROJECT EXPERIENCE

Pompano Beach CRA District Improvements, Pompano Beach, FL: Mr. Weinberg was integral to the planning, urban design and landscape architecture improvements for this redevelopment project that has created a vibrant, beach-side promenade, encouraging citizens to enjoy new recreational and social opportunities. This project has generated millions of dollars of private development based on the improvements made to the increase the aesthetic and function of the public realm.

Fast Forward Fort Lauderdale Design and Construction Manual, Fort Lauderdale, FL: KEITH is working with renowned architecture firm Brooks + Scarpa to develop a design and construction manual for a sustainable and resilient community and cohesive public realm that could potentially impact every facet of infrastructure and design within the city. Mr. Weinberg is responsible for the planning and landscape architecture elements of the manual.

Atlantic Boulevard Streetscape Improvements, Margate, FL: The CRA requested the KEITH Team develop a branded approach to several of the city's ROW and streetscapes. The request includes multiple miles of streetscape, medians, walls, walkways, landscape, lighting, signage and a signature fountain feature. The team worked to create a brand or identity that can be utilized throughout the City in these public realm areas. The signature element for this streetscape initiative is the addition of a roundabout and fountain feature. The CRA requested that a theme of a child fishing along the edge of the canal be utilized for inspiration. KEITH had to work around existing infrastructure items and yet was able to develop a creative approach for the fountain. The result was a combination of water, sculpture, landscape and hardscape to make a statement for the City and CRA of Margate.

Fort Lauderdale Beach Streetscape Master Plan, Fort Lauderdale, FL: Mr. Weinberg led a team of designers to develop complete street guidelines for the Beach CRA district including site furniture, pedestrian walkways, transit stops, water taxi stops, signage and roadway cross sections.

Levitt Pavilion and Esplanade Park, Fort Lauderdale, FL: Mr. Weinberg led a team to develop a design for a new concert venue and pavilion in Downtown Fort Lauderdale at the Esplanade Park. A primary goal was to embrace local heritage of Native American culture and celebrate the river location while providing a state-of-the-art park and concert facility. The project is a catalyst to new development in Fort Lauderdale's civic core and will provide citizens with an attractive public environment for daily use and special events, including the addition of an iconic tunnel top park.



KELLI SCHUELER, PLA, LEED AP

Director of Landscape Architecture

Ms. Kelli Schueler is a landscape architect and dedicated project manager who provides planning, design and project management services for a wide variety of project types through all phases of the development process. Her knowledge of the local environment, native species and sustainable best practices is combined with a creative approach that is detail oriented, ensuring designs are implemented efficiently and precisely. Her skills include project management, team leadership, production management, construction documentation and observation, regulatory approval and LEED documentation and sustainable strategies.



Years of Experience
14

Education
B.S. Landscape
Architecture, Oklahoma
State University, 2003

*Professional
Registrations*
Registered Landscape
Architect, State of Texas,
#2959 (2014)

*Council of Landscape
Architecture Registration
Boards (CLARB Certified)*

Professional Affiliations
United States Green
Building Council
(USGBC)

*USGBC LEED Accredited
Professional*

RELEVANT PROJECT EXPERIENCE

Fast Forward Fort Lauderdale Design and Construction Manual, Fort Lauderdale, FL: KEITH is working with renowned architecture firm Brooks + Scarpa to develop a design and construction manual that would facilitate a sustainable and resilient community, as well as a cohesive public realm that could potentially impact every facet of infrastructure and design within the city.

Las Olas Boulevard Improvements, Fort Lauderdale, FL: Ms. Schueler was part of the design team that worked to develop a conceptual design package for Improvements along Las Olas Boulevard. Conceptual studies include modifications to improve traffic flow and help unify the district while enhancing the quality of the pedestrian experience. This was accomplished through a re-defined street section incorporating widened pedestrian sidewalks, reduced travel lanes, enhanced crosswalks with identifying plant material, sharrow lanes, site furnishings and other complete streets principles.

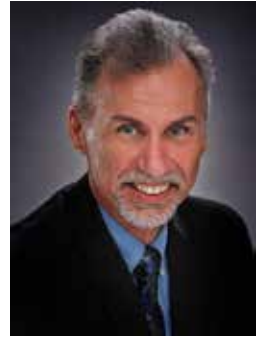
Atlantic Boulevard Streetscape Improvements, Margate, FL: The CRA requested the KEITH Team develop a branded approach to several of the city's ROW and streetscapes. The request includes multiple miles of streetscape, medians, walls, walkways, landscape, lighting, signage and a signature fountain feature. The team worked to create a brand or identity that can be utilized throughout the City in these public realm areas. The signature element for this streetscape initiative is the addition of a roundabout and fountain feature. The CRA requested that a theme of a child fishing along the edge of the canal be utilized for inspiration. KEITH had to work around existing infrastructure items and yet was able to develop a creative approach for the fountain. The result was a combination of water, sculpture, landscape and hardscape to make a statement for the City and CRA of Margate.

2nd Street District, Austin, TX: Ms. Schueler worked on a variety of projects with Austin's 2nd Street District. These projects included working closely with the city and Austin's Great Streets Master Plan to help improve the quality of downtown streets and sidewalks, the goal being to help transform public right-of-ways into great public spaces. Design components throughout this district follow Complete Street principles and include wide sidewalks, sidewalk cafes, transit stops, street furnishings, tree canopy, bicycle parking and travel lanes.

Annie Gillis Park, Pompano Beach, FL: A renovation of the existing Annie Gillis Park in Pompano, this project provides a facelift to this open space to create a large Urban Plaza, while maintaining balance with ample green space. The park serves to bring people in through the implementation of a stage area for events, interactive play opportunities, exercise equipment, improved lighting and adequate shading, all of which serve to activate the park on a regular basis and provide a flexible space for multiple uses.



Michael Phillips, PLA, ASLA, ISA Certified Arborist
Senior Landscape Architect



Mr. Michael Phillips has over 32 years of experience in the field of Landscape Architecture. Since 1986, Mr. Phillips has conceptualized, hand sketched and CAD drafted construction documents in the public and private sector. He has been involved with projects ranging from schematic design through final completion, including plant selection, field inspections and project certification. He has produced landscape architecture construction documents that encompass tree survey and tree disposition plans, hardscape layouts and details, grading plans, planting plans, lighting plans and irrigation plans. Additionally, he is well versed in LEED requirements, 'Florida Friendly Landscaping' guidelines, Green Book Standards and FDOT design standards and indexes. In addition to design and overall project management, Mr. Phillips plays a critical role as the QA/QC officer for the Landscape Architecture department. In conjunction with the deliverables schedule, he develops QA/QC milestones that aid in keeping the project on schedule, while ensuring the plans are compliant with all applicable codes, ordinances and Indexes. Additionally, his input is key in site inventory and analysis, coordinating with our Survey Department to establish the location and species of trees and appraising the dollar value of such trees, which is paramount in the process of developing tree disposition plans followed by landscape plans that preserve existing trees and vegetation.

Years of Experience
32

Education
B.S. Interior Design,
Florida State University,
1985

Professional Registrations
Registered Landscape
Architect, State of
Florida, #LA0001540
(1995)

ISA Certified Arborist #FL
9346A

Professional Affiliations
American Society of
Landscape Architects
(ASLA), Member

*United States Green
Building Council - South
Florida*

RELEVANT PROJECT EXPERIENCE

FDOT District 4 - State Road 80 at Forest Hill Boulevard, Palm Beach County, FL: As a subconsultant to Inwood Engineers, KEITH is providing Landscape Architecture and ISA Certified Arborist services. The project entails new planting and irrigation plan to screen properties impacted by removal of the existing buffer along the North side of SR 80 impacted by the road widening. The work included site visits to analyze existing conditions to determine extent of impacts, development of a buffer planting concept and cost estimate. Design development of planting plans, demolition/relocation plans, and irrigation plans will follow. Mr. Phillips led the effort to analyze the sites to develop the landscape plans necessary for the proposed buffers.

FDOT District 4 - Peters Road from Pine Island Road to SR-817/University Drive, Plantation, FL: KEITH is providing Survey, SUE and Landscape Architecture, as well as ISA Certified Arborist services for this project. The project entails widening the corridor to accommodate a bicycle lane in each direction, striping, alteration of existing medians, etc. KEITH will analyze the site and the proposed development's impact on existing trees, with consideration to the urban and environmental context.

FDOT District 4 - Elmar Drive, Lauderdale-by-the-Sea, FL: KEITH is providing Landscape Architecture, as well as ISA Certified Arborist services for this project. The project entails widening the existing medians to provide a multi-use pathway. KEITH will analyze the site and the proposed development's impact on existing trees, with consideration to the urban and environmental context.

FDOT District 4 - US-1 Transit Improvements, Broward County, FL: KEITH is providing Survey and Landscape Architecture, as well as ISA Certified Arborist services for this project. The project entails the addition of new transit stops and associated engineering. KEITH will analyze the site and the proposed development's impact on existing trees, with consideration to the urban and environmental context.



MICHAEL VONDER MEULEN, AICP

Director of Planning



Years of Experience
32

Education
B.S. of Urban Planning,
University of Cincinnati,
OH, 1986

*Achievement of
Professional Practice
Certificate, University of
Cincinnati, OH, 1986*

*Graduate Studies, Florida
Atlantic University, Boca
Raton, FL, 1993- 1995*

*Professional
Registrations*
American Institute
of Certified Planners
Certificate #9153,
Washington, DC, 1991

Professional Affiliations
Urban Planner
Representative for the
City of Fort Lauderdale
CRA Board (2012-
Present)

*Urban Land Institute
(2004-Present)*

*American Planning
Association
(1982-Present)*

*Editor, Broward
Planning, American
Planning Association
Section Newsletter
(1994)*

Mr. Michael Vonder Meulen has over 32 years of local, national and international experience in urban planning, zoning and project management systems. Since 1986, Mr. Vonder Meulen's experience has included many phases of Public Sector and Private Sector Land Planning, Site Planning and Permitting services. He has directed project services, from planning, design and construction management throughout the United States, Caribbean and Brazil. He has drafted numerous zoning text amendments for many cities throughout South Florida including new and revised residential, commercial, educational, mixed use and transit oriented districts, density monitoring systems (DMS) and transfer of development rights (TDRs). Mr. Vonder Meulen also has extensive comprehensive planning experience preparing many Comprehensive Plans, Evaluation and Appraisal Reports (EARs) and Comprehensive Plan updates and amendments. He also has experience with grant writing in which he was awarded grants for more than \$9 million including Florida Recreation Development Assistance Program (FRDAP), Land and Water Conservation Fund (LWCF), and Intermodal Surface Transportation Efficiency Act (ISTEA).

RELEVANT PROJECT EXPERIENCE

Martin Luther King, Jr. Boulevard/Hammondville Road Trafficways Plan Amendment, Pompano Beach, FL: KEITH was charged with the responsibility of processing the first trafficways plan amendment to "context sensitive corridor" in Broward County. KEITH prepared all of the required documents and processed the application through the Community Redevelopment Advisory Board, Pompano Beach City Commission and Broward County Planning Council.

Blanche Ely Historical Museum Renovation and Restoration, Pompano Beach, FL: KEITH, along with design partner Cartaya and Associates Architects, are providing planning, surveying, engineering and landscape architecture services for the renovation and restoration for the 2,700-SF Blanche Ely Historic Home and Museum for the City of Pompano Beach. To allow the museum, a special exception and two variances were necessary through the Zoning Board of Appeals, along with the City's standard site plan review process. ADA improvements are proposed which will enable the City to change the Certificate of Occupancy from a residence into a community educational facility and cultural heritage museum.

Parkland Comprehensive Master Plan for "The Wedge": Mr. Vonder Meulen served as the Senior Planner responsible for this master planning endeavor. The Master plan area consists of 1,949-acre wedge shaped property located between County Line Road and Loxahatchee Road from Palm Beach County to Broward County. It was imperative to identify the future development characteristics and the impacts to the City of Parkland and North Springs Improvement District (NSID) whom will be providing services to these future developments in these annexation areas. The plan was developed through an analysis of existing conditions, an analysis of Level of Service Standards, Meetings Property Stakeholders, and Agencies having jurisdiction.

"Old" (Historic) Pompano Blvd Streetscape Improvements (Downtown Pompano Connectivity Plan), Pompano Beach, FL: KEITH was responsible for the overall team management, engineering, permitting, planning, surveying, public outreach/consensus and construction management for an area wide project involving 10 square blocks of the "Old" (Historic) Pompano Area and MLK Jr. Boulevard between I-95 and Dixie Highway. KEITH prepared an assessment of the existing infrastructures and provided recommendations on suitability of the CRA's proposed land use.



LEE POWERS, PSM

Director of Surveying & Mapping



Years of Experience
13

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

Professional Registrations
Registered Professional
Surveyor & Mapper,
State of Florida, #6805
(2010)

Professional Affiliations
BIM Smart Foundation
Member

*Florida Society of
Professional Surveyors &
Mappers
American Resort*

Certifications
Transportation Worker
Identification Credential
(TWIC)

*FDOT Maintenance of
Traffic*

Mr. Lee Powers has over 13 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.

RELEVANT PROJECT EXPERIENCE

NE Corner of NW 6th Avenue and MLK Boulevard Plat/Replat, Pompano Beach, FL: KEITH 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.

Hammondville Road Boundary and Topographic Survey, Pompano Beach, FL: KEITH 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.

Engineering Consultant Services for Highway Construction and Engineering Design, Broward County, FL: As a subconsultant to Atkins, KEITH provided surveying and subsurface utility engineering support for various county-wide transportation and general civil engineering projects. Typical services included design surveys, topographic surveys, water crossing surveys, 3D laser scanning, utility designation, locating and mapping to support project designs as well as post-construction services associated with new traffic signals, signal conversions, mast arm installations, evaluations of existing utilities, roadway widening, bridge rehabs, intersection improvements and school zone improvements among others.

A1A Overhead Utility Conversion from Hillsboro Inlet to Terra Mar Drive, Pompano Beach, FL: KEITH provided 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.

Congress Avenue SR 807 at 10th Avenue North, Village of Palm Springs, FL: This was an FDOT safety project for a busy intersection which entailed primarily the installation of light poles, pedestrian countdown signals, signage and high emphasis crosswalks, as well as relocating the bus stops on the West leg. As a subconsultant to Kimley-Horn, KEITH provided surveying and SUE services including marking the edge of pavement and sidewalk, existing signs, light poles and other above ground utility poles, cross walk marking location and traffic signal poles.



MICHAEL MOSSEY, PSM

Senior Surveyor & Mapper



Years of Experience
40

Education
Maryville College,
Maryville, Tennessee

Professional Registrations
State of Florida
Professional Surveyor &
Mapper #5660

Professional Affiliations
Florida Society of
Professional
Surveyors & Mappers

*Secretary, Broward
Chapter FSMS,
1999-2000 and
2000-2001*

Mr. Mossey has over 40 years of experience in land surveying and mapping in South Florida. He has extensive senior project management experience for large-scale projects and continuing service, on-call type contracts for both public and private sector clients. He is a highly talented Quality Surveyor with a successful track record in budget estimation, valuation of items and completing projects on time. Mr. Mossey's experience includes a wide range of projects incorporating GIS deliverables for various agencies including Broward County, the Federal Aviation Administration (FAA) and municipalities. Mr. Mossey is knowledgeable in the use of a wide range of state-of-the-art surveying equipment, automated field data collection systems and associated computer technologies. He has overseen and performed construction, right-of-way, control, boundary, as-built (both acreage and coastal), topographic, quantity and condominium surveys. In addition, he has provided full service platting in the tri-county area jurisdictions, title encumbrance determinations, GIS data base building and American Land Title Association (ALTA) surveys.

RELEVANT PROJECT EXPERIENCE

City of Pompano Beach Miscellaneous Civil Engineering Services, Pompano Beach, FL: KEITH has served as the General Engineering Consultant for the City of Pompano Beach for over 16 years. Mr. Mossey serves as one of the Senior Project Surveyors for the firm on an as needed basis. Many of the project assignments have been in the redevelopment of roadways, parking facilities and utility infrastructure design. All services of the firm are utilized including planning, civil engineering, surveying, subsurface utility engineering, and landscape architecture. Mr. Mossey prepared Boundary and Topographic surveys, as well as sketches of description for Pompano Community Park, Highlands Park, Alsdorf Park, Rustic Bridge Park, Founders Park and Lovely Park.

Lyons Park Neighborhood Improvement Project, Pompano Beach, FL: KEITH provided topographic survey for approximately 122 acres in the residential neighborhood of Lyons Park located in Pompano Beach. This area is served by an existing stormwater collection system that suffers from frequent flooding. This improvement project aims to improve the drainage system within the neighborhood

I-595 Segment C - Zones 4, 5 & 6, Broward County, FL: Mr. Mossey served as the Project Surveyor for KEITH, providing surveying services for Broward County Project No. 86095 - State Road No. 862 (I-595) as a Sub-Consultant to Bergeron Land Development, Inc. These services include the layout and as-built of the underground utilities and above ground improvements, also the layout and as-built for the construction of the new roadways within the project. Approximately 15,800 linear feet of fire suppression lines, approximately 676 drainage structures and approximately 4.0 miles of roadway.

Pompano Beach Boulevard Streetscape, Pompano Beach, FL: Mr. Mossey was responsible for the Coastal Hydrographic and Topographic Surveys for Florida Department of Environmental Protection (FDEP) Permitting for the design and construction of the roadway and pedestrian pathways adjacent to the beachfront. The project was situated seaward of the Coastal Construction Control Line therefore the design required extensive hydrographic and topographic survey 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.



DANIEL CHECCHIA

Vice President of Location Services



Years of Experience
21

Education
AS of Applied Science
in Construction
Technology, Suffolk
County Community
College, 2008

Professional Affiliations
Founding Board of
Director-SUE Association

*Transportation &
Expressway Authority
Membership of Florida
(TEAM FL)*

*Florida Utility
Coordination Committee
(FUCC)*

Certifications
FDOT Maintenance of
Traffic

Issues Affecting SUE

*Risk Management and
Professional Liability in
SUE*

*Rebuilding America's
Infrastructure*

*SAFE PIPES Act and
Related Legislation*

Mr. Checchia has over 21 years of experience in transportation engineering, surveying, civil design and construction related fields, with expertise in Subsurface Utility Engineering (SUE), including Utility Coordination. 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 the 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 in the ASCE Guidelines 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 of the FDOT Utility Coordination process, with eight years of involvement working on multiple types of transportation projects.

RELEVANT PROJECT EXPERIENCE

Pompano Beach Boulevard Streetscape, Pompano Beach, FL: KEITH 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. The firm 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. The firm 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.

Wiles Road Design Services from Riverside Drive to Rock Island Road, Coral Springs, FL: KEITH served as a subconsultant to Kimley-Horn on this project, providing subsurface utility engineering services. This intent of the project was to widen Wiles Road from four lanes to six lanes from Riverside Drive to Rock Island Road and to save the existing pavement while narrowing the median to accommodate the widened lanes. Mr. Checchia provided Quality Level 'B' & 'A', designation and location services for this project, producing valuable data on existing utilities throughout the project corridor.

FDOT D6 Districtwide Utility Coordination Services, Miami-Dade County, FL: As a Prime consultant, KEITH is providing utility coordination services to FDOT District 6. The services provided under this task work order contract include initial contact, pre-design, contact, final design contact, utility clear package, utility project file & documents and project status report.

Engineering Consultant Services for Highway Construction and Engineering Design, Broward County, FL: As a subconsultant to Atkins, KEITH provided surveying and subsurface utility engineering support for various county-wide transportation and general civil engineering projects. Typical services included design surveys, topographic surveys, water crossing surveys, 3D laser scanning, utility designation, locating and mapping to support project designs as well as post-construction services associated with new traffic signals, signal conversions, mast arm installations, evaluations of existing utilities, roadway widening, bridge rehabs, intersection improvements and school zone improvements among others.



ARACELY ANDOLLO-SOTO

Utility Coordination Manager



Years of Experience
22

Education
B.S. Civil Engineering,
Florida International
University, 1998

*Associate in Arts, Miami-
Dade College, 1993*

*Professional
Certifications*
Utility Coordination
Certification, Florida
Utility Coordination
Committee (FUCC) 2014

*-FUCC "Utility
Coordination
Certification - Design"
Module*

*-FUCC "Utility
Coordination
Certification - Cost
Estimating & Billing"
Module*

*-FUCC "Utility
Coordination
Certification -
Coordination" Module*

*American Public Works
"Introduction to Damage
Prevention and Safety"*

*FDOT "Advanced Work
Zone Traffic Control"*

*FDEP "Storm Water,
Erosion, & Sedimentation
Control Inspector"*

Professional Affiliations
APWA, member since
1998

*ASCE, member since
1998*

Ms. Andollo-Soto has 22 years of experience in the area of utility coordination, for both design-build and traditional design-bid-build projects. She has worked predominantly with FDOT Districts 4 and 6, Turnpike Enterprise, MDX and Miami-Dade County. She has extensive experience in permitting through municipal and governmental agencies such as Water & Sewer Departments, Department of Environmental Resources Management, South Florida Water Management District, Florida Department of Environmental Protection, Department of Health and other State and federal agencies. Ms. Andollo-Soto has also managed the construction phase of a project including RFI's, review and processing shop drawings and coordination among clients, contractors and Engineers of Record.

RELEVANT PROJECT EXPERIENCE

FDOT D4 Districtwide Utility Coordination Production Support, Broward County, FL: This project involved utility coordination for various roadway projects within FDOT District 4. Ms. Andollo-Soto served as the Lead Utility Coordinator, supervising tasks including all phases of negotiation and relocation of electric, telecom/cable, water/sewer and gas/fuel utilities impacted by FDOT projects. She provides these services in accordance with FDOT's standards, policies and procedures; and is familiar with FDOT's utility agreements with vendors and utilities such as: Florida Power & Light Distribution, Transmission and FiberNet; Comcast, AT&T/Bellsouth, Verizon, Level 3 Communications, Qwest Communications, Sprint/Nextel, Broward County Water & Wastewater, Indian River County Utilities, Martin County Utilities, Palm Beach County Utilities, St. Lucie County Utilities, City of Ft. Lauderdale, City of Oakland Park, City of Pompano Beach, City of Port St. Lucie, City of Riviera Beach, City of St. Lucie, City of Sunrise Water & Sewer, City of Tamarac, City of Wilton Manors, City of Vero Beach Water & Sewer, Florida Gas Transmission, Crown Castle, Fiberlight, Hotwire, Windstream, XO Communications and others.

FDOT D6 SR-907 (Alton Road) at the Intersections of 5th, 10th and 14th Street, Miami-Dade County, FL: This 3-phase project (a strung project) was part of the overall lead reconstruction project of SR 907 (Alton Road) from 5th Street to Michigan Avenue). This project encompassed drainage improvements (including pump stations and bulkhead outfalls) with relocations for facilities owned by Florida Gas Transmission, TECO Peoples Gas, FP&L (Distribution) and City of Miami Beach. Ms. Andollo-Soto provided Utility Coordination for the District and worked with the aforementioned UAOs, in addition to coordinating with AT&T Florida, Atlantic Broadband and Verizon Business.

FDOT D6 Utility Coordination Services for SR-A1A (Collins Avenue), Miami-Dade County, FL: KEITH was requested by the contract project manager to provide utility coordination services for FDOT project FM#440169-1-52-01. KEITH is responsible for providing utility coordination services for SR A1A (Collins Ave.) from Fountain St. to 17th St. for signalized intersection lighting (lighting retrofits at signalized intersections) to clear this project for utility certification.

FDOT D6 SR-968 (W Flagler Street) from W 27th Avenue to W 2nd Avenue, Miami-Dade County, FL: This 3-phase project consists of roadway full reconstruction and extensive excavation for lighting, signalization and landscaping with relocations for facilities (including joint-use poles and duct banks). Ms. Andollo-Soto is providing Utility Coordination for the District and working with AT&T Florida, Comcast Cable, FP&L, FiberNet, MD-WASD, and TECO Peoples Gas.

Stefano Viola, P.E.

Roadway Design/Civil Engineering

Relevant Experience

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.

Miramar Parkway Streetscape from SW 64th Avenue to SW 68th Avenue, Miramar, FL — Project manager for this FDOT LAP funded project that involves roadway, landscape, irrigation, and lighting improvements on Miramar Parkway. Additional project improvements include bicycle lanes, drainage modifications, landscaping, lighting, hardscaping, driveway apron regrading, sidewalk replacement, ADA improvements at the intersections, and a mid-block pedestrian crossing/emergency signal modification.

NW 64th Avenue from Sunset Strip to Oakland Park Boulevard, Sunrise, FL — Project engineer. The City of Sunrise applied for a \$927,000 Transportation Alternatives Grant administered by the Florida Department of Transportation to construct bicycle lanes and street improvements on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard. The City retained Kimley-Horn for design services for landscape, lighting, drainage, pedestrian and bicycle enhancements. This includes developing schematic design, design development, permitting, and construction documents. Additionally, Kimley-Horn environmental scientists will review natural, social, and physical resource data in the area and complete a Type 1 and Programmatic Categorical Exclusion (CE) checklist.

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.

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.



Special Qualifications

- ▶ More than 12 years of engineering experience, including roadway restoration/resurfacing, drainage modeling, water/wastewater utility design, stormwater master planning, preparation of engineering drawings, permitting, and site/plan preparation and review
- ▶ Prior to joining Kimley-Horn, served as Sergeant in the U.S. Marine Corps for five years
- ▶ Extensive experience with AutoCAD, WaterCAD, StormCAD, and Cascade

Professional Credentials

- ▶ Bachelor of Science, Civil Engineering, Florida International University, 2007
- ▶ Professional Engineer in Florida, #74655, June 8, 2012
- ▶ American Society of Civil Engineers (ASCE)
- ▶ Florida Engineering Society, Member

Stefano Viola, P.E. resume, page 2

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.

SW 67th Avenue Design, Davie, FL— Project manager for an extension of the Town's existing roadway from NW 41st Court south to Orange Drive. The expansion provided approximately 1,400 linear feet of a new 2-lane roadway that included roadway swales and exfiltration trench for drainage. Along with the roadway and drainage improvements, the project included an 8-foot-wide sidewalk addition to improve pedestrian and equestrian traffic through the Town. Once completed the project will provide additional access to the area schools and help alleviate the traffic on Davie Road extension.

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.

City of Hollywood 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.

NW 41st Street Traffic Calming Improvements, Lauderdale Lakes, FL — Project manager for the preparation of conceptual designs through construction documents and associated permits for the NW 41st Street Traffic Calming Improvements Project in the City of Lauderdale Lakes, Florida. The project consisted of surveying, civil engineering, landscaping, hardscaping and irrigation design, permitting, and construction services for a roundabout to be located at the intersection of NW 41st Street and NW 35th Avenue. The project included the installation of new drainage improvements, pavement renovations, signing and pavement markings, utility adjustments, and maintenance of traffic. The work was planned and completed with minimal disruptions to the City during construction.

NW 21st Street Roadway Improvements / LAP Assistance, Lauderdale Lakes, FL — Project manager. Kimley-Horn provided the City of Lauderdale Lakes with a design for roadway improvements on NW 21st Street from SR 7 to Willie Webb, Sr. Park. The improvements consisted of the addition of bike lanes on both the north and south side of the roadway plus the addition of a sidewalk on the south side to provide bicycle and pedestrian connectivity from SR 7 to the park and the associated residential communities along the corridor. Additionally, the improvements included landscaping, curb and median modifications, drainage and modifications to the intersection of SR 7 to address a substantial "hump" that existed. The project was an FDOT LAP funded project and Kimley-Horn provided LAP coordination and permitting services along with the necessary Broward County permitting requirements.

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.

Marwan Mufleh, P.E.

Roadway Design/Civil Engineering

Relevant Experience

MLK Jr. Boulevard Improvements and Downtown Connectivity, 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 0th Avenue to east of Dixie Highway. Marwan supervised a group of professionals to provide traffic analysis studies, signal modification design, maintenance of traffic plans, irrigation plans and provided assistance during the construction phase.

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

NW 27th Avenue, Pompano Beach, 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 Complete Streets Design, City of Hollywood — Project manager of the Kimley-Horn team serving the City of Hollywood to conduct a feasibility study to incorporate Complete Streets elements within the corridor between Hollywood Boulevard and Sheridan Street. The traffic study considered alternatives including lane elimination and roadway reconfiguration. Because SR A1A is a state road, our team coordinated extensively with FOOT District Four for design approvals. The roadway plans include a reduction of speed, improving safety for vehicles, pedestrians, and bicyclists; wider sidewalks, improved street furniture, landscaping, and signage. The team also provided traffic signal analyses, driveway access reviews, emergency vehicle access reviews, meetings and coordination, and permitting services. Our team designed real world mock ups of selected alternatives for sidewalk pavers and decorative street lights for the public's input before final design.

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



Special Qualifications

- ▶ Has 31 years of civil engineering experience
- ▶ Principal areas of practice include project management from the design concept stage through the construction administration phase, roadway design, streetscape, Complete Streets, roadway lane re-purposing, traffic calming, neighborhood revitalization, drainage design, innovative pavement design, pavement marking, and maintenance of traffic
- ▶ Served as project manager on numerous successful highway design and construction projects for Broward County and various municipalities and CRAs
- ▶ Highly experienced with neighborhood street redevelopment and lane elimination to repurpose streets for all modes of transportation Experienced in Microstation and Geopak

Professional Credentials

- ▶ Bachelor of Science, Civil Engineering, University of Texas, Arlington, 1986
- ▶ Professional Engineer in Florida, #45329, March 27, 1992
- ▶ American Society of Civil Engineers (ASCE)
- ▶ American Society of Highway Engineers (ASHE) Florida Engineering Society, Member

Marwan Mufleh, P.E. resume, page 2

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

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

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

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

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

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

Jonathan Haigh, PLA, ASLA

Urban Design/Landscape Architecture

Relevant Experience

Clematis Streetscape Improvements, West Palm Beach, FL — Project manager and lead landscape architect. Kimley-Horn is providing landscape architecture and civil engineering services as part of the team designing improvements to the 300 block of Clematis Street in downtown West Palm Beach. After several public input meetings with Clematis Street merchants, stakeholders, residents, and visitors, the City Commission voted to implement recommendations from the design team to implement a transformative change to this destination street in downtown West Palm Beach. The design features a paver-covered, curbsless street with narrowed travel lanes, premium paver sidewalks, permeable paver parking spaces, custom-designed seating areas, and a landscape featuring large Live Oaks to provide significant shade for pedestrians. The design features the City's first implementation of suspended pavement systems, which, in combination with Structural Soil, will provide a significant root zone space for the Live Oaks to thrive. Kimley-Horn provided engineering services for the relocation of a water line as well as providing an improved drainage solution, unique to the curbsless street.

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

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-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.

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.

Federal Highway (US 1) Interim and Final Enhancements, Delray Beach CRA, Delray Beach, FL — Landscape architect. Kimley-Horn was retained by the Delray Beach CRA to design permanent improvements to reduce north- and southbound US 1 (NE 6th Ave. and NE 5th Ave.) to two lanes each way and provide on-street parking on both avenues.



Special Qualifications

- ▶ Has 23 years of experience as a 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
- ▶ Has directed the preparation of numerous streetscape-related construction drawings, detailing, and specifications
- ▶ Known for his economical, yet imaginative approach to every design
- ▶ Contributed, managed, and/or produced three recent "road diet" projects in Palm Beach and Broward Counties

Professional Credentials

- ▶ Bachelor of Landscape Architecture, University of Arkansas
- ▶ Professional Landscape Architect in Florida, #6666795
- ▶ American Society of Landscape Architects (ASLA), Past President
- ▶ Florida Recreation and Parks Association

Jonathan Haigh, PLA, ASLA resume, page 2

The improvements encourage slower speeds and a safer, more pedestrian-friendly environment. The project included landscaping beautification and decorative, environmentally sensitive street lighting; irrigation design; bicycle lanes; and a new sense of continuity with the Downtown area with pavers and decorative crosswalks.

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

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.

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.

Martin Luther King, Jr. (MLK) Drive Beautification, Phases 1 & 2, Delray Beach CRA, Delray Beach, FL— Project manager on the Kimley-Horn team. Provided landscape architectural master planning services for the design of landscape, lighting, and hardscape enhancements for the entire length of Martin Luther King, Jr. (MLK) Drive in Delray Beach. This 1.5-mile corridor will also incorporate MLK commemorative design elements placed in the right-of-way. The design concept included the continuation of an existing sidewalk network; decorative lighting; right-of-way plantings with flowering trees, palms, and other landscaping; a program for live oaks to be planted outside of the right of way; and artwork on existing utility poles. The master plan will also address prioritization and phasing of the proposed improvements with respect to budget. Similar to other community enhancement master plans, public involvement is a key element in the success of this project. The Kimley-Horn team coordinated closely with a committee of community representatives to identify community assets and to solicit their ideas and preferences for incorporation into the master plan.

Miramar Historic Downtown Revitalization, Miramar, FL— Landscape architect. The Historic Downtown Revitalization is a streetscape project on Miramar Parkway between SW 68th Avenue to SW 69th Way within the City of Miramar. The project improvements include landscaping, sidewalks, street lighting, ADA improvements at the intersections, and a mid-block pedestrian crossing. Additionally, SW 69th Way had minor flooding issues which were addressed during this project.

Miramar Parkway Streetscape from SW 64th Avenue to SW 68th Avenue, Miramar, FL— Landscape architect for this FDOT LAP funded project that involves roadway, landscape, irrigation, and lighting improvements on Miramar Parkway. Additional project improvements include bicycle lanes, drainage modifications, landscaping, lighting, hardscaping, driveway apron regrading, sidewalk replacement, ADA improvements at the intersections, and a mid-block pedestrian crossing/emergency signal modification.

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).

Gary R. Ratay , P.E.

Stormwater/Water/Sewer Improvements

Relevant Experience

Historic Miramar Complete Streets, Miramar, FL — Senior 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.

Lloyd Estates Streetscape and Drainage Improvements, Oakland Park, FL — Senior engineer for the design and construction of the Lloyd Estates Residential and Industrial Area Drainage Project. The project involved 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 included 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.

Margate City Center Stormwater Master Permit, Margate, FL — Senior engineer. The Margate CRA selected Kimley-Horn to prepare a conceptual stormwater master plan for their 43.7-acre downtown area. The project area included a complete stormwater system re-design to incorporate the proposed development, which will include garden style apartments, townhomes, mid-rise condominiums, civic uses, and commercial developments. The project also included the preparation of a master drainage model (created using the ICPD software), an evaluation of the existing drainage system within this area, the creation of drainage basin delineations and maps, a complete hydraulic/hydrologic analysis of the area, and the proposed master conceptual drainage improvement plans. Kimley-Horn was successful in obtaining a new conceptual permit through the Broward County Surface Water Management Section, as well as a new conceptual ERP permit through the South Florida Water Management District.

Downtown Phase I and II, and Lake Patricia Roadway/Drainage Improvement Projects, Miami Lakes, FL — Project engineer. Kimley-Horn provided design and permitting services to implement a large roadway and drainage improvement project located in Downtown Miami Lakes. 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.

Hollywood Toll Plaza SR 91 (Florida's Turnpike) Water and Sewer Extension/Replacement, Florida's Turnpike Enterprise — Project engineer for the design, permitting, preparation of drawings, technical specifications, schedule of relocations, and bid services for the extension of a water main pipe, installation of one fire hydrant, installation of a force main to serve the relocated toll plaza on the Turnpike ramp for Hollywood Boulevard, and installation of conduits to underground overhead electric and phone services.



Special Qualifications

- ▶ Has 32 years of civil engineering experience, with particular expertise in general municipal engineering, stormwater management, project permitting, and construction phase services
- ▶ Principal areas of practice include water distribution, wastewater collection, force main and associated pump station design, water treatment plant design, well pump design and site piping, and feasibility and engineering reports
- ▶ Has State Revolving Fund (SRF) loan experience

Professional Credentials

- ▶ Bachelor of Science, Mechanical Engineering, University of Florida, 1985
- ▶ Professional Engineer in Florida, #46682, April 15, 1993
- ▶ Florida Engineering Society
National Society of Professional Engineers (NSPE)

Boggs Field Wastewater Pumping Station, Hollywood, FL — Project engineer for the design of a submersible wastewater pumping station, gravity sewer, and force main for a municipal park complex. The project included design and permitting services to connect an existing park facility and a new park complex to the existing force main. The station design included a new fiberglass wetwell, submersible pumping equipment, controls, electrical, associated piping, site restoration, and all other appurtenances necessary for complete submersible pumping station.

Bid Pack 4 Water Main and Force Main Replacement, Oakland Park, FL — Senior engineer 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. \

Stanley Goldman Field Wastewater Pumping Station, Hollywood, FL — Project engineer for the design of a submersible wastewater pumping station, gravity sewer, and force main for a municipal park complex. The project included design and permitting services to connect a new park complex to the existing force main. The station design included a new fiberglass wetwell, submersible pumping equipment, controls, electrical, associated piping, site restoration, and all other appurtenances necessary for complete submersible pumping station.

24-inch Water Main Route Evaluation Report and Design, West Palm Beach, FL

Project manager. 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 feasibility, and a recommendation to proceed with a preferred water main route.

North East Force Main Installation and Lift Station Rehabilitation, Pompano Beach, FL — Project engineer to provide construction documents for the installation of new force main piping in an area located north of Atlantic Boulevard, south of NE 24th Street, east of Federal Highway, and west of the Intracoastal Waterway. The design approach was to connect lift stations that presently cascade through the gravity sewer system directly into the existing force main system and thereby eliminate repumping. Station pressures and flows were evaluated so the pump station modifications could be determined. The project provided the City of Pompano Beach with a more efficient and cost-effective wastewater pumping system in the area.

Lyons Park Sanitary Sewer Rehabilitation, Pompano Beach, FL — Project manager for the rehabilitation of an existing sewer system throughout a residential area called "Lyons Park" located in the City of Pompano Beach. The scope included field review of the existing site conditions, review of a prior pipe rehabilitation report completed by the City, an opinion of the probable construction costs, and preparation of construction documents for system rehabilitation. The project provided rehabilitation of sewer laterals and main line point repairs to address problems associated with groundwater infiltration. The project also included review of GIS information provided by the City and coordination with the existing utility companies.

Main Wastewater Pump Station Rehabilitation, North Bay Village, FL — Project manager for development of design, permitting, and construction phase services for the rehabilitation of the City's main wastewater pump station. The project included analyzing the existing pumping and control equipment to evaluate present operating parameters and to develop a rehabilitation approach to increase system efficiency, reduce system maintenance, and provide a reliable, redundant pump station to better serve the City. Existing shaft driven wastewater pumps were converted to submersible pumps for use in a dry pit area and the complete control system was upgraded including a new Citywide SCADA system. Also assisted the City with collecting the ARRA funding and \$1 million through a State Revolving Fund (SRF) Loan for the balance of the \$4.5-million improvement.

Water and Sewer Asset Inventory, North Bay Village, FL — Project manager and engineer involved with developing an asset inventory for water, sewer, and stormwater utilities throughout the City. Kimley-Horn worked with Avirom and Associates, Inc. to collect field data and survey data to develop a GIS database and associated mapping for use by the City. The inventory is an effective planning tool to evaluate the current utility infrastructure, develop rehabilitation and improvement projects, budget and schedule utility projects, and coordinate with private utility companies such as Florida Power & Light for their improvements.

Kevin Schanen, P.E.

Stormwater/Water/Sewer Improvements

Relevant Experience

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 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.

Clematis Streetscape Improvements, West Palm Beach, FL — Project engineer. Kimley-Horn is providing landscape architecture and civil engineering services as part of the team designing improvements to the 300 block of Clematis Street in downtown West Palm Beach. Kimley-Horn is providing landscape architecture and civil engineering services as part of the team designing improvements to the 300 block of Clematis Street in downtown West Palm Beach. After several public input meetings with Clematis Street merchants, stakeholders, residents, and visitors, the City Commission voted to implement recommendations from the design team to implement a transformative change to this destination street in downtown West Palm Beach. The design features a paver-covered, curbless street with narrowed travel lanes, premium paver sidewalks, permeable paver parking spaces, custom-designed seating areas, and a landscape featuring large Live Oaks to provide significant shade for pedestrians. The design features the City's first implementation of suspended pavement systems, which, in combination with Structural Soil, will provide a significant root zone space for the Live Oaks to thrive. Kimley-Horn provided engineering services for the relocation of a water line as well as providing an improved drainage solution, unique to the curbless street.

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.

Martin Luther King, Jr. (MLK) Drive Reclaimed Water Main Improvements (4 inches, 6 inches, and 10 inches), Delray Beach, FL — Project manager. Kimley-Horn provided design of the 4-, 6-, and 10-inch reclaimed water main pipelines in conjunction with a streetscape project in Delray Beach. Hydraulic modeling was performed using WaterGEMS software to



Special Qualifications

- ▶ Has 21 years of diverse engineering and project management experience
- ▶ Experienced Project Manager with a wide variety of municipal projects, including water, wastewater, and stormwater utilities, structures, restoration and rehabilitation, community parks, streetscapes, and infrastructure improvements
- ▶ Software experience includes Ad-ICPR, WaterGEMS, STAAD, AutoCAD Civil3D, ASAD, and MathCAD
- ▶ Past recipient of the Engineer of the Year award from the Florida Engineering Society, Palm Beach County Chapter
- ▶ Past recipient of an Outstanding Young Alumnus Award from the University of Florida
- ▶ Graduate of the Florida Engineering Leadership Institute (FELI)

Professional Credentials

- ▶ Bachelor of Science, Civil Engineering, University of Florida, 1998
- ▶ Professional Engineer in Florida, #60251, June 23, 2003
- ▶ American Public Works Association (APWA)
- ▶ Florida Engineering Society
- ▶ National Society of Professional Engineers (NSPE)
- ▶ Palm Beach County League of Cities (Associate Member)

Kevin Schanen, P.E. resume, page 2

size the water main, as well as project future demands throughout the mixed commercial and residential areas along the alignment. The design of a remote actuated control valve was also included so the line could be automatically isolated in the event of an emergency at the wastewater plant that provides the effluent.

Federal Highway (US 1) Interim and Final Enhancements, Delray Beach, FL— Principal-in-charge 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.

Tamarind Avenue Streetscape, West Palm Beach, FL— Principal-in-charge. 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.

Fern Street Streetscape and Complete Streets Design, West Palm Beach, FL— Project engineer. 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.

Lakefront Park, Kissimmee, FL — Assisted with Utility System Master Planning on Lakefront Park. Phase 1 of this \$34 million park improvement project included utility construction and streetscaping of the perimeter of the park. The project included new potable water lines, new re-use water lines, gravity sanitary sewer, force main, storm drainage, electrical conduit, concrete curb and gutter, concrete sidewalks with brick accents, clay brick roadway, landscaping, irrigation, lighting and signage.

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.

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.

Neighborhood Street Improvement Program, Town of Palm Beach, FL —Project manager. Kimley-Horn has developed roadway and drainage infrastructure improvement plans for many residential and commercial streets throughout the Town including Laurian Lane, North Lake Way, Country Club Road, Worth Avenue, Peruvian Avenue, Queens Lane, Nightingale Trail, Garden Road, Garden Alley, Mockingbird Trail, Colonial Lane, El Vedado Road, South County Road, and Mediterranean Road. Our services included design, permitting, bid phase and construction administration services for these projects. Special care and attention was paid to creating designs that would minimize impacts to the community to the greatest extent practical.

Old Boynton Road Utility Relocations, Boynton Beach, FL— Project manager for the replacement of an asbestos cement watermain along Old Boynton Road. This project was in response to the need to widen the road and replace an old wooden bridge. The new road's drainage system conflicted with the existing watermain in numerous locations and because it was constructed of asbestos cement, the City decided to replace the main in its entirety. This project also included the abandonment of a 16-inch forcemain as well as an aerial crossing of the watermain over a Lake Worth Drainage District canal.



ENGINEERING & TESTING, INC.

Phone: (866) 781-6889 • Fax: (866) 784-8550
 www.floridaengineeringandtesting.com
 250 S.W. 13th Avenue
 Pompano Beach, FL 33069



Mark A. Mesiano, P.E.
Principle Engineer

Education:

B.S. Civil Engineering,
 University of South Florida,
 1990

Professional Registration:

Professional Engineer, Florida
 Registration No. 48202

Professional Engineer,
 Colorado, Registration No.
 31593 (inactive)

Technical Certifications:

- Florida DOT Pre-stressed Concrete Inspector
- Radiation Safety Officer and Instructor, PSI, Inc.
- Structural Masonry Inspector, FL Concrete & Products Association (expired)
- Nuclear Gauge Training and Safety, Earthworks Instrumentation, Inc.
- Concrete Field Testing Technician - Level I, American Concrete Institute (expired)
- Certified Engineering Technician - Level II Soil, Concrete, Asphalt Testing, National Institute for Certification in Engineering Technologies (NICET) (inactive)

Mr. Mesiano has over 25 years of experience in the construction industry. He has extensive experience in program management in all phases of construction. His expertise includes Quality Assurance/Quality Control Manager and Threshold Inspector services for airports, highways, sports stadiums/arenas, power plants.

Select Projects:

- E470 Highway project in Colorado - Resident Project Manager\PE for all QC testing of Soils, Concrete & Asphalt for Segments I, II, and III (29 miles of 4 lane toll highway, with 30 bridge structures). Responsibilities included overall management for all field, laboratory, & administrative operations including managing field\laboratory technicians from a minority partner. Note: Project required a **fully equipped on-site laboratory** with Soils, Concrete & Asphalt testing capabilities (project utilized Superpave asphalt pavement mixes and an on-site laboratory equipped with gyratory compactor & nuclear ovens for asphalt content). The project won the following awards:
 - 1998 & 1999 National Asphalt Pavement Association – Quality in Construction Award for Segments II and III
 - 1998 Colorado Asphalt Pavement Association - Best in Colorado 120th Avenue to Parker Road (Segments I, II, and III)
 - 1999 American Concrete Pavement Association - Segments II and III Concrete Paving
- Tampa International Airport South Parking Garage - Project Manager for all materials testing for the new 6 level parking garage structure with 11 acre footprint, totaling approximately 66 acres of concrete parking deck. Responsible for supervising several resident full-time technicians and laboratory testing of soils and concrete.
- Tampa International Airport – Resident Inspector responsible for inspections and testing of Airside “F” Terminal Building, Airside “F” ATS, and Airside “F” Loading Bridge Caissons.
- Ft. Lauderdale Executive Airport: Taxiway "Alpha" Relocation – Project Manager for soil and concrete testing services.
- Miami International Airport Mover APM System – Concrete Testing Services.
- Palm Beach International Airport: Galaxy Hangar “H” – Project Engineer responsible for supervising resident building inspector and testing technicians.
- St. Lucie Airport Fire Station – Project Manager for soil & concrete testing.
- Jacksonville International Airport – Project Manager for soil & concrete testing (with onsite laboratory) at Taxiway Relocations for Concourse "C".
- Quality Control Manager: Experienced in revising and updating Quality Control Manuals and the set-up and accreditation of multiple laboratories for AASHTO\FDOT\USACOE\CMEC accreditations including initial and recertification inspections.



ENGINEERING & TESTING, INC.

Phone: (866) 781-6889 • Fax: (866) 784-8550
www.floridaengineeringandtesting.com
 250 S.W. 13th Avenue
 Pompano Beach, FL 33069



Professional Certifications:

- CTQP Earthwork Constr. Inspection – Level 1
- CTQP Concrete Field Technician – Level 1
- CTQP Qualified Sampler Technician
- CTQP Aggregate Base Testing Technician
- CTQP Concrete Lab Technician – Level 1
- CTQP LBR Technician
- ACI Aggregate Testing Technician – Level 1
- ACI Aggregate Base Testing Technician
- ACI Concrete Laboratory Testing Technician- Level 1
- ACI Concrete Strength Testing Technician
- ACI Concrete Field Testing Technician – Grade I
- Florida Structural Masonry Inspector
- Georgia Structural Masonry Inspector
- Georgia Erosion Control Inspector Level I B
- 40 Hour OSHA
- Nuclear Gauge Training
- Radiation Safety
- Nuclear Gauge Operation
- Nuclear Gauge Transport

PAUL M. TENINTY CMT Field & Laboratory Supervisor

Mr. Teninty has over 20 years of construction materials testing, inspection and construction related experience. He is highly skilled in supervising all work, paperwork, equipment, etc. for field & laboratory technicians in regards to construction materials testing, laboratory testing, and inspection/monitoring projects. His expertise includes performing testing and laboratory work as needed, including compaction testing, various types of concrete testing, structural masonry inspections, auger cast piling inspections, vibrofloatation inspections, demucking inspections, earthwork monitoring, roof uplift testing, field withdrawal resistance testing, and various types of soil/concrete laboratory testing including grain size analysis, moisture density (proctor) tests, limerock bearing ratio (LBR) tests.

Select Projects:

- Ft. Lauderdale International Airport Parking Garage – Piling Inspector for Driven/Auger-Cast/Drilled Shaft
- Broward Regional Park, Lauderhill, Florida – Soil Testing Technician, density testing for large park with amphitheater, playing fields, etc.
- Silver Falls at Miramar, Florida – Earthwork Inspector (full time) for 275 acres of site development
- Botanica, Jupiter, Florida – Resident Earthwork Inspector for 300-400 acres of site development
- Home Depot, various locations – Project Manager for testing and inspections
- Belk Department Store, various locations – Project Manager for testing and inspections
- CVS Pharmacy, various locations – Project Manager for testing and inspections

HLB



BARBARA CIANCI HORTON

CLD, FIALD

Senior Principal

"Light has the seemingly magical power to transform objects into environments and environments into experiences."

PROFESSIONAL AFFILIATIONS

International Association of Lighting Designers,
Past President 2014-2015

Nuckolls Fund for Education,
Board Member

NCQLP/LC Certified

IESNA

ASLA Affiliate Member

YEARS OF EXPERIENCE

38 Years

EDUCATION

Fashion Institute of Technology,
Bachelors of Fine Arts in Interior Design

AWARDS

IES Illumination Award of Merit -
Cambridge Public Library
Cambridge, MA

IES Illumination Award of Merit -
National World War II Memorial
Washington, DC

IES Illumination Award of Merit -
Stanford University Law School
Palo Alto, CA

IES Illumination Award of Merit -
Temple Beth Elohim
Wellesley, MA

IES Illumination Award of Merit -
W Hotel Boston
Boston, MA

Barbara Horton captures light with a special brilliance for designing solutions to meet challenging requirements. Barbara's strength arises from her broad interest in the arts and its affect on people. Combined with her knowledge of technical advances in lighting, Barbara creates powerful solutions to meet client goals — no cookie-cutter approach.

Ms. Horton inspires HLB's viewpoint to create a lighting practice that offers a visionary perspective with a pragmatic approach to every design. As CEO, Barbara oversees the firm's legacy with an emphasis on creating a culture that is highly driven, curious, motivated for growth and profitability, balances the quality of life and work and is poised to lead the lighting industry.

Over 30 years experience forged the belief that delivery is as important as the inspiration. In Barbara's role as Senior Principal working with clients she infuses the firm's five values into every project. Recognizing the challenges of today's environmental stewardship for lighting conservation is an opportunity, to create smart solutions that balance budgets and functionality with quality lighting experiences.

EXPERTISE

Ms. Horton is one of HLB's Senior Design Principals and Practice Leaders in urban lighting and healthcare. She is actively involved in several professional organizations including, President of IALD. An avid sailor and skier, she sparks to the outdoor environments and the benefits of light and darkness as a part of our wellbeing. Barbara's portfolio also includes a well-rounded expertise in notable lighting projects for corporate, academic, recreation, hospitality/retail and performing arts among others.

PROJECT HIGHLIGHTS

Miami Baywalk - Riverwalk, Miami, FL | Savino Miller Design Studio

West Palm Beach City, West Palm Beach, FL | CH2M Hill

Curtis Hixon Park, Tampa, FL | AECOM, Thomas Balsley Associates

Kissimmee Lakefront Park, Kissimmee, FL | AECOM

The Miami Underline, Miami, FL | James Corner Field Operations

Lincoln Road Masterplan, Miami Beach, FL | James Corner Field Operations

I-395 Redevelopment Competition, Miami, FL | AECOM

National Harbor, Prince George, MD | Sasaki Associates

Coney Island Steeplechase Plaza and B&B Carousel, Brooklyn, NY | AECOM

HLB



SIMI VEIT

Assoc. IALD, MIES, LC
Senior Associate

"The art of lighting design is understanding and arranging a scientific phenomenon into a creative composition that stimulates the emotions and entertains the senses."

PROFESSIONAL AFFILIATIONS

NCQLP Lighting Certification

Illuminating Engineering Society,
Member

International Association of Lighting Designers,
Associate Member

YEARS OF EXPERIENCE

7 Years

EDUCATION

Penn State University,
Bachelors of Architectural Engineering

AWARDS

IES Illumination Award of Merit -
53rd St. New York Public Library
New York, NY

IES Illumination Award of Merit -
Google Cambridge Center
Cambridge, MA

Lighting Magazine – 2018
40Under40 North America

Penn State Architectural Engineering – 2012
Thornton Tomasetti First Place BIM Thesis Award

As a design team leader in HLB's Miami studio, Simi thrives in an active and collaborative environment, always looking for ways to use her analytical skills in a creative manner. She aims to create lighting solutions that are stimulating and satisfy not only for visual comfort requirements, but end user expectations.

Simi's artistic interest in lighting design blossomed in High School Theater when she worked closely with the technical director to design the lighting for the school plays. Since she was rather proficient in Math and Science she decided to major in Architectural Engineering. However, staying true to her artistic passion she specialized in the lighting/electrical option, focusing specifically on lighting design. Throughout her education she was exposed to the array of multifaceted computer software employed within the lighting design and construction industries. Her architectural engineering education culminated with a senior thesis that collaborated with the three other AE disciplines exploring BIM and IPD procedures in the construction industry. A large part of the thesis was exploring how Revit can be used as design software and how it dovetails with other lighting computer programs.

EXPERTISE

Using her tech savvy skills, Simi heads the HLB Day-Calc group (part of the Daylighting and Sustainable Design or "DSD" studio), which focuses on a variety of computer software used to calculate daylight such as Ecotect, Daysim, Diva, and Radiance. Simi is also a member of the Revit group, which aims to keep HLB ahead of the BIM and IPD curve, as well as arm the firm in taking on Revit projects while coordinating its design in 3D as technology advances. Simi has been working on a large variety of projects at HLB, ranging anywhere from small galleries to large corporate campuses and enjoys the challenge of working with the wide diversity of teams.

PROJECT HIGHLIGHTS

Miami Baywalk - Riverwalk, Miami, FL | Savino Miller Design Studio

Delray Beach Center Park, Delray Beach, FL | Currie Sowards Aguila Architects

Miami Underline, Miami, FL | James Corner Field Operations

I-395 Redevelopment Competition, Miami, FL | AECOM

Lincoln Road Masterplan, Miami Beach, FL | James Corner Field Operations

Paseo Ponti, Miami, FL | Stantec Architecture

Newport Park, Jersey City, NJ | LeFrak Organization

C M S CONSTRUCTION MANAGEMENT SERVICES, INC.

KEITH (ARMON PHILLIP) EMERY Principal-in-Charge

Education:

Bachelor's Degree in Civil Engineering and Construction Management with a Higher National Certificate (H.N.C.) Diploma in Quantity Surveying and Estimating from the University of Lancashire (London, England)

Work Experience:

Over 45 years of experience that includes eleven years self-employed as President of a General Contracting / Management firm in the Caribbean and Europe and 40 years as President of CMS-Construction Management Services, Inc. (established in 1976, incorporated in 1980); Expert Witness Services (provided for numerous court cases)

Professional Background:

High rises, offices, condominiums/townhomes, shopping centers, airport/cruise-port facilities, service stations, banks, drainage systems, sewer/water mains and pumping stations, auditoriums/theaters, museums/cultural arts centers, schools (K-12), colleges/universities, hospitals/medical facilities, storage/maintenance facilities, highways/secondary roads, bridges, parking garages, parks, community/recreational centers, libraries, country clubs, public safety facilities, courthouses/judicial complexes, police stations, fire stations, and various state and federal government projects, etc.

Project Experience:

Construction Management/Owner's Representative:

Tamarac City Hall, Police Facility, and Public Service Administrative Complex ▪ Pompano Beach Public Safety Complex ▪ Broward Sheriff's PAL Youth Facilities ▪ City of Coral Springs City Centre ▪ Martinique 2 Condominium (Singer Island) ▪ City of Coconut Creek – Government Center and Community Center ▪ City of North Miami Beach – Streetscape Improvements, Taylor Park Daycare Renovations, Patricia A. Mishcon Athletic Field, R.A. Silver Youth Complex at the Governmental Center, and Housing Rehabilitation Community Development ▪ Pembroke Road Extension (from Flamingo Road to Douglas Road in Broward County) ▪ Various Broward County Recreational Parks

Quantity Surveyor/Cost and Quality Consultant (Civil/Streetscape/Landscape Projects):

Broward County-Owned:

- Greenways Corridor Plan: Beautification of one mile from State Road 7 to NW 52nd Avenue
- NW 21st Street Improvements (Lauderdale Lakes)
- Sunrise Boulevard Streetscape Improvements: Sidewalk, Landscaping, Lighting Beautification
- Central Broward County Neighborhood Improvement (N.W. 35th Avenue)

Palm Beach County:

- Bikeways, Greenways, Trail Concept Plan: Development of 765 miles of trails throughout Palm Beach County of Biking, Hiking, Canoeing, Equestrian Trails (Paved and Unpaved Multi-Use)
- North Palm Beach County Natural Lands Master Plan – Northeast Everglades Natural Area: Development of Parks and Recreational Paved/Unpaved Natural & Developed Trails (Landscaping, Tree Planting, Public Art Work, Centers, Picnic Shelters, Park Furnishings, Bridges/Pedestrian/Equestrian Crossings, Signage)
- South Flagler Sanitary Sewer Project

Municipality-Owned:

- City of Fort Lauderdale: Las Olas Boulevard Corridor Improvements (Redevelopment from Intracoastal Waterway to SR A1A including Parking Garage with Roof Garden, Landscaping, Sidewalk Renovation, Site Amenities, Parks, Promenades); Streetscape Improvements (Landscaping, Roadway Paving, Striping, new Sidewalks/Curbs/Wave Wall, Street Signage, Lighting, Irrigation); Melrose Park Northeast (Road and Utilities Restoration)

Continued...

Page Two

Keith Emery Résumé

Municipality-Owned (Continued):

- **City of Deerfield Beach:** Sullivan Park Improvements (Creation of Park Area [Landscaping] at Intracoastal Waterway; in addition to Boat Slips, Docks, and Pedestrian Boardwalk along water's edge connecting to Cove Shopping Center)
- **City of Coral Springs:** Sidewalk Improvements along 110th Avenue (between Sample and Wiles Roads)
- **City of Hollywood:** Hollywood Central Performing Arts Center & Visual Arts Building with Park Area (Landscaping, Art Work, Fountain, Lighting in Park Area); Young Circle Improvements (Buildings/Site Development/Amenities)
- **City of Lauderdale Lakes:** Greenway Beautification (SR 7 to NW 52nd Avenue) and Street Improvements (SR7 to NW 21st Street)
- **City of Dania Beach:** Revitalization of Ocean Park, Phase I (Park refurbishment with Landscaping, Lighting, Park Furnishings, Restroom Renovation, New Kayak Building, Sand Dune Restoration, new Pedestrian Drop-Off/Pick-Up)
- **City of Aventura:** 188th Street Park, Phases I & II (Development of new Park with Landscaping, Signage, Irrigation, Playground and Exercise/Equipment Areas with Canopies, Park Furnishings, Paving/Curbs)
- **City of Tamarac:** North 22nd Avenue Drainage Improvements
- **City of Pompano Beach:** Pompano Beach Boulevard Streetscape Improvements (Landscaping, Utilities Systems, Street Repaving, Beach Plaza, Sidewalks, Restrooms, Public Furnishings); Public Safety Building & Fire Administration Building Exterior Improvements (Landscaping, Parking Lot Lighting/Repaving, new Building Facade, new Windows); Hillsboro Inlet Bridge Structural Improvements (New Sidewalks, Guardrail, and First Floor Addition to Guardhouse); Ninth Avenue Bridge over the Charles Waterway (New Façade and Sidewalks), McNab Road Streetscape
- **City of Miami Beach:** South Pointe Park Improvements (Landscaping, Walking Path, Park Furnishing, Beach Dune Restoration Area, Children's Playground Landscaping, Restroom, Storage Building); Indian Creek Drive Water and Sewer Projects (Installation of Water Main and Sanitary Sewer Lines); Public Works Department Green Space Parking Lots (Construction of three Parking Lots at different locations); Sunrise Pedestrian Connection (Creation of Walking Path); Lincoln Road District Master Plan – Infrastructure & Pedestrian Improvement
- **City of North Miami Beach:** Streetscape Improvements (Construction of Entry Monument, Signs)
- **City of North Miami:** Biscayne Landing, Planned Community (Grading, Water & Sewer Detail Plans: Landscaping, Water, Sewer, Drainage installation to Town Center Commercial Area of this Planned Community); 143rd Street Roadway Improvements (New Roadway/Drainage, Landscaping, Irrigation, Signalization, Resurfacing on exiting Roadway)
- **City of Coral Gables:** Construction of New Pedestrian Bridge
- **City of Miami:** Museum Park Miami (Development of Park [that will house a new Museum] which includes many gardens; namely, Entry Garden, Rain Garden, Sky Garden, Palm Garden, Children's Play Garden, Canopy Walk, Events Garden, Scallop Garden, and Culture Garden, as well as Boat Slips, Terrace, Grove Trellis, Pavilion, and Site Amenities/Furnishing)

Other Expertise in the Construction-Related Field:

Expert Witness ▪ Feasibility Studies ▪ CPM Scheduling, Claims ▪ Development of Projects of Various Sizes ▪ Residential and Commercial Building Inspections ▪ Constructability Reviews

Professional Organizations and Affiliations:

Certified Contractor Instructor for Department of Transportation (State of Florida) ▪ Past Chairman of the Board, Deerfield Beach Housing Authority ▪ Past Director, Pompano Beach Chamber of Commerce ▪ Past Director, Deerfield Beach Chamber of Commerce ▪ Life Member of the Organization of Chartered Quantity Surveyors (London, England)

REFERENCES

8.0

Winfield Boulevard, Margate, FL



REFERENCES

Old Pompano Streetscape Improvements - Pompano Beach, Florida

Dr. Horacio Danovich -
City of Pompano Beach
100 West Atlantic Boulevard
Pompano Beach, Florida 33060
(954) 786-7834
Horacio.Danovich@copbfl.com



Scope of Work: KEITH was responsible for the overall team management, engineering, permitting, planning, surveying, public outreach/consensus and construction management for an area wide project involving 10 square blocks of the "Old" (Historic) Pompano Area and MLK Jr. Boulevard between I-95 and Dixie Highway. KEITH prepared an assessment of the existing infrastructures and provided recommendations on suitability of the CRA's proposed land use. Based on the approved Connectivity Plan by the Pompano Beach CRA, the improvements included pedestrian/bicycle friendly streetscape with landscape/hardscape beautification features, roadway/pedestrian LED lighting, signalization improvements, and significant drainage and roadway improvements.

Year Completed: 2015

Budget: Estimated construction costs of \$4.4 Million

Las Olas Boulevard Corridor Study - Fort Lauderdale, Florida

Mr. Mike Weymouth -
Property Owners of Las Olas (POLO) Las Olas Company
600 Sagamore Road
Fort Lauderdale, Florida 33301
(954) 463-5630
MWeymouth@thelasolascompany.com



Description of Work: KEITH's planning and landscape architecture team is developing a conceptual design package for improvements along Las Olas Boulevard for Property Owners on Las Olas (POLO). Conceptual studies include modifications to improve traffic flow and help unify the district while enhancing the quality of pedestrian experience. This was accomplished through a re-defined street section incorporating widened pedestrian sidewalks, reduced travel lanes, enhanced crosswalks with identifying plant material, sharrow lanes, site furnishings, transit stops, water taxi stops, signage and other complete streets principles.

Year Completed: Ongoing

Budget: Estimated construction costs of \$6-8 Million

Holmberg Road Improvements - Parkland, Florida

Mr. Sowande Johnson-
City of Parkland
6600 University Drive
Parkland, FL 33067
(954) 757-4144
sjohnson@cityofparkland.org



Description of Work: KEITH provided engineering design, surveying, SUE, permitting and complete construction administration services to the City of Parkland for roadway improvements along Holmberg Road



between Pine Island Road to the west and University Drive to the east. The roadway improvements included incorporating new dedicated bicycle lanes and roadside swales along both sides of the roadway, roadway milling and resurfacing (with some widening), miscellaneous safety improvements, landscape adjustments, overall drainage and roadway improvements. In addition to processing multiple permit and plan approvals, KEITH was instrumental in assisting the City with pre-construction coordination with the School Board of Broward County and public outreach with the adjacent HOA's to limit construction impacts to those affected.

Year Completed: 2014

Budget: Estimated construction costs of \$3 Million

SE 3rd Avenue - Fort Lauderdale, FL

Client - FDOT, FDOT PM - Scott Thurman
 Broward MPO contact: Ricardo Gutierrez,
 100 W Cypress Creek Rd #650
 Fort Lauderdale, FL 33309
 Phone: (954) 876-0033
 Email: gutierrezr@browardmpo.org



Description of Work: KEITH and members of the KEITH Team were responsible for the complete street plan that was associated with the Wave Streetcare development. Project responsibilities included full services from Survey, Sue, Civil, Landscape and general project management. The project was shelved at 90% as the project was put on hold.

Year Completed: Project shelved at 90%

Budget: Approximately \$1,000,000

Fast Forward Fort Lauderdale Design and Construction Manual - Fort Lauderdale, Florida

Ms. Ann Livingston -
 City of Fort Lauderdale
 700 NW 19th Avenue
 Fort Lauderdale, Florida 33311
 (954) 828-5276
 alivingston@fortlauderdale.gov



Description of Work: KEITH is in collaboration with Brooks + Scarpa and is developing a manual to set the tone for future development with an emphasis on resilient planning and design. Key elements include assessment of sea level rise, mobility planning, landscape architecture elements, CPTED principles and over development patterns. KEITH is responsible for planning, landscape architecture and assistance with Community/Stakeholder input and research.

Year Completed: Ongoing

Budget: N/A

PAST PROJECTS PERFORMED IN POMPANO BEACH

KEITH has successfully completed nearly 300 public and private projects in the City of Pompano Beach since 2001. Over the years, in service to the City of Pompano Beach, KEITH has demonstrated their ability as a team to get the job done in a timely and cost-effective manner on several key transportation and utility projects in the City. This relevant project experience over many years reinforces the fact that the KEITH Team has a proven ability to get the job done on not just one project, but on a continuous basis.

In addition to the numerous projects, KEITH's commitment to the local community goes well beyond our business tax receipt. KEITH has contributed countless hours of in-kind services to the City and non-profit groups to better our community. KEITH has been extensively involved in the Chamber, the EDC and supporting charities such as 4Kids, Yuletide Event, Jacobs Ladder, Relay for Life and many more. Dodie Keith serves as the chair for the Broward Partnership for Homeless. Our team is known for being willing to help out for the cause whenever called on and we see this level of involvement in the Community as an honor. Our founding Principal William (Bill) Keith has been commemorated with two parks dedicated for his and this company's long time commitment to community.

POMPANO BEACH LIBRARY	HARBOR DRIVE - SKETCH OF DESCRIPTIONS
BAY DRIVE OUTFALL	ALLEY VACATION WEST CRA
GARDEN DRIVE AREA	GALLUPPI'S LEASE/CONCESSION AGREEMENT
POMPANO BEACH MUNICIPAL PIER	PALMAIRE CONDO COMMON AREA PARCEL
OLD POMPANO CANAL	POMPANO AIRPARK - PARCEL SKETCHES
SE 8TH COURT BRIDGE REPLACEMENT	POMPANO BEACH NW CRA- SURVEYING
FORCE MAIN REPLACEMENT	POMPANO BEACH NW CRA- ENGINEERING
S CYPRESS RD/SE 5TH CT DESIGN SURVEY	50 NE 1ST ST
REUSE WATER MAIN DISTRIBUTION SYSTEM	POMPANO BEACH PIER
SE 10TH ST & RIVERSIDE DRIVE SURVEY	POMPANO BEACH NW CRA-VACATION SERVICES
POMPANO BEACH DOG PARK	POMPANO BEACH BLVD/ E ATLANTIC SURVEY
POMPANO BEACH MUNICIPAL CEMETERY	OLD POMPANO SURVEY/NORTH OF ATLANTIC
PALMAIRE PARK	NW CRA LOTS 1-10 UPDATE BNDRY SURVEYS
PB FIRE STATION #11	OLD POMPANO SURVEY-SOUTH OF ATLANTIC
EASEMENT SERVICES	MLK SURVEY - I95 TO DIXIE HIGHWAY
POMPANO MUNICIPAL GOLF COURSE	NW CRA VACATE 4TH STREET & 4TH AVENUE
NW CRA BOUNDARY SURVEY-EAST OF LARKINS	ESQUIRE LAKES SIGNS
UTILITY CASING FEDERAL HIGHWAY	MIXED USE DOWNTOWN CONNECTIVITY PLAN
WIENER PROPERTY-1841 N. POWERLINE ROAD	NW 6TH STREET - DIXIE TO NW 6TH AVENUE
4TH STREET SPECIFIC PURPOSE SURVEY	NW 6TH STREET - WEST
3 PARKS BOUNDARY SURVEY	NE 1ST STREET BOUNDARY SURVEY
ATA SURVEY	POMPANO SPRINGS - UTILITY EASEMENT
SANTA BARBARA WATER LINE	ORTANIQUE
NE 4TH ST - REUSE WATER LINE EXPANSION	NW 6TH AVENUE - STREET LIGHT LOCATIONS
GIS MAPPING SERVICES PILOT PROJECT	PLATTING NE CORNER 6TH AND MLK
FIRE STATION 103 -SURVEYING/PLATTING	FPL UTILITY EASEMENTS-ATLANTIC BOULEVARD
RIVERSIDE DRIVE DIRECTIONAL DRILL	NW 7TH AVENUE BOUNDARY SURVEY
NORTH OCEAN PARK TOPO SURVEY	TOPO SURVEY-3440 EAST ATLANTIC-SE 28TH AVE
HILLSBORO BAY FOOT BRIDGE	MLK BOULEVARD - UPDATE SURVEY
PB BOULEVARD WATERMAIN DESIGN	731 HAMMONDVILLE RD
CIVIC CAMPUS TOPOGRAPHIC SURVEY	OCEANSIDE FIRE STATION - TOPO SURVEY
SANTA BARBARA REUSE WATER LINE EXPANSION	DOWNTOWN CONNECTIVITY PLAN
SIGN SOUNDINGS IN INTRACOASTAL	WACHOVIA PARKING LOT
SW 9TH AVENUE ROADWAY IMPROVEMENTS	MALLEK PROPERTY
OCEANSIDE PARCELA	MLK BOULEVARD IMPROVEMENTS
BRINY AVENUE	308 NW 8TH AVENUE
POMPANO BEACH LEGAL DESCRIPTION OF CITY	15TH STREET LANDSCAPE EASEMENT
HARBORS EDGE PLAYGROUND REPLACEMENT	6TH STREET LANDSCAPE EASEMENT
POMPANO BEACH HUD LOAN ASSISTANCE	FEC FLAGLER CORRIDOR
CIVIC CAMPUS/OLD POMPANO TOPO UPDATE	370 N. FLAGLER AVE - BNDRY & TOPO SURVEY
SW 1ST AVENUE VACATION	REZONING MLK & NW 6TH AVE
NW 9TH AVENUE R/W STAKEOUT	ATLANTIC POINT
SW 36TH AVE SIDEWALK & PEDESTRIAN BRIDGE	739 HAMMONDVILLE RD - FINISH FLOOR ELEV
STORMWATER PIPE EASEMENT 793 TO 805 S	TRAFFICWAYS PLAN AMENDMENT MLK BLVD
FPL EASEMENT POMPANO AIRPARK	OWNERS REP
RUSTIC BRIDGE PARK	AMERICAN LEGION-BOUNDARY SURVEY
MLK BLVD EDUCATIONAL CORRIDOR WATER MAIN	BAILEY HOTEL
NE 9TH COURT SKETCH & LEGAL DESCRIPTION	SW 2ND STREET
FIRE STATION 24 - 2001 NE 10TH STREET	HARBOR VILLAGE SURVEY REVISION
FIRE STATION 61 - 2121 NW 3RD STREET	NE 5TH ST FPL EASEMENT
FIRE STATION 52 - 10 SW 27TH AVENUE	COMMUNITY GARDEN
ATA OVERHEAD UTILITY CONVERSION	113 NE 1ST AV/117 NE 1ST ST BNDRY & TOPO
NW CRA 18 ELEVATION CERTIFICATIONS	344 NW 2ND STREET
NE 1ST AVE/2ND STREET PARKING LOT SURVEY	OLD POMPANO AREA WATER & SEWER IMPROVE
NORTH RIVERSIDE PARK	HAMMONDVILLE ROAD LEGAL DESCRIPTIONS
WAHOO INLET PARK	ALL BUILDING -NW 4TH AVE/NW 4TH ST
POMPANO BEACH MUNICIPAL AIR PARK	NW 4TH ST SKETCH & DESCRIPTION
DIXIE HIGHWAY ROW ADJUSTMENTS	ALL PARCEL
POMPANO BEACH ELKS CLUB	MLK WATER MAIN DESIGN DIXIE TO I95
BLANCE ELY HOUSE IMPROVEMENTS	BEACH LIBRARY RELOCATION
223 NE 13TH STREET SURVEY	NE 1ST STREET SKETCH OF DESCRIPTION
PALMAIRE FIRE STATION - MCNAB AND 36TH AVE	OCEANSIDE PLAT
POMPANO BEACH WOMENS CLUB	2771 E ATLANTIC BLVD HARBOR VILLAGE
ANNIE GILLIS PARK	BLOUNT ROAD SIGNAL DESIGN
EAST ATLANTIC BOUNDARY SURVEYS	MLK BLVD AND NW 27TH AVE MEDIAN
INDIAN MOND PARK PAVILION	SKATE PARK AT COMMUNITY PARK

OFFICE LOCATIONS

9.0

Harbor Drive, Pompano Beach, FL

OFFICE LOCATIONS

All of the KEITH key personnel, subconsultants and staff responsible for the production of work associated with this contract will perform their work from our Corporate office, which is conveniently located .30 miles from City Hall. Our proximity to the City allows us the opportunity to provide a level of responsiveness that few firms are able to match. Our commitment is to always be there when you need us.

KEITH at a glance

Corporation since 1998
Professional & Technical Staff: 123
Administrative Staff: 13

LOCAL PRIME CONSULTANT

KEITH
301 East Atlantic Boulevard
Pompano Beach, Florida 33060
(954) 788-3400

LOCAL & W/MBE GEOTECHNICAL SUBCONSULTANT

Florida Engineering & Testing
250 SW 13th Avenue
Pompano Beach, Florida 33069
(954) 781-6889

LOCAL PRINTING SUBCONSULTANT

Minuteman Press
51 N. Federal Highway
Pompano Beach, Florida 33062
(954) 942-4300

W/MBE & SBE COST ESTIMATING SUBCONSULTANT

CMS Construction Management Services
10 Fairway Drive, Suite 301
Deerfield Beach Florida 33341
(954) 481-1611

W/MBE LIGHTING SUBCONSULTANT

HLB Lighting Design
10 Fairway Drive, Suite 301
Deerfield Beach Florida 33341
(954) 481-1611

ROADWAY ENGINEERING/DESIGN SUBCONSULTANT

Kimley-Horn
600 North Pine Island Road, Ste 450
Plantation, Florida 33324
(954) 535-5100



LOCAL BUSINESS ENTERPRISES 10.0

Riverfront Park, Council Bluffs Park, IA

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

Solicitation Number & Title: P-53-18 Planning/Design Services for Four Streetscape Improvement Projects

Prime Contractor's Name: KEITH

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Material to be Purchased	Contract Amount
KEITH	Lori Treviranus 954-788-3400	Planning, Surveying, SUE/UC, Landscape Architecture, Civil Engineering, CEI, Community Outreach	60%
Florida Engineering & Testing, Inc.	Christine Chang 954-781-6889	Geotechnical Engineering	5%
Glorified Printing, Inc. DBA Minuteman Press	Gloria Jacaruso 954-692-2177	Printing Services	5%

LOCAL BUSINESS EXHIBIT "A"

Business Tax Receipt Valid from: October 1, 2018 through September 30, 2019

9/5/2018

4441589
KEITH AND ASSOCIATES INC
301 E ATLANTIC BL

POMPANO BEACH FL 33060

THIS IS YOUR BUSINESS TAX RECEIPT. PLEASE POST IN A CONSPICUOUS PLACE AT THE BUSINESS LOCATION.

BUSINESS OWNER: KEITH AND ASSOCIATES INC
BUSINESS LOCATION: 301 E ATLANTIC BL POMPANO BEACH FL

Business Tax Receipt Valid from: October 1, 2018 through September 30, 2019

9/5/2018

4441982
FLORIDA ENGINEERING & TESTING INC
250 SW 13 AV

POMPANO BEACH FL 33069

THIS IS YOUR BUSINESS TAX RECEIPT. PLEASE POST IN A CONSPICUOUS PLACE AT THE BUSINESS LOCATION.

BUSINESS OWNER: FLORIDA ENGINEERING & TESTING
BUSINESS LOCATION: 250 SW 13 AV POMPANO BEACH FL

Business Tax Receipt Valid from: October 1, 2018 through September 30, 2019

10/8/2018

4440914
MINUTEMAN PRESS
51 N FEDERAL HY COMM

POMPANO BEACH FL 33062

THIS IS YOUR BUSINESS TAX RECEIPT. PLEASE POST IN A CONSPICUOUS PLACE AT THE BUSINESS LOCATION.

BUSINESS OWNER: GLORIFIED PRINTING INC
BUSINESS LOCATION: 51 N FEDERAL HY COMM POMPANO BEACH FL



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

Bid Number **P-53-18**

TO: **KEITH**
 (Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to sell commodities or perform subcontracting work in connection with the above contract as (check below)

☐ an individual
☐ a partnership

☒ a corporation
☐ a joint venture

The undersigned is prepared to sell product(s) or perform the following work in connection with the above Contract, as hereafter described in detail:

Planning, Surveying, SUE, Utility Coordination,
 Landscape Architecture, Civil Engineering, Traffic
 Engineering, CEI and Community Outreach services.

at the following price:

10/30/18

(Date)

KEITH

(Name of Local Business Contractor)

301 East Atlantic Boulevard

(address)

Pompano Beach, FL 33060

(address City, State Zip Code)

BY: **Alex Lazowick, Exec Vice President**

(Name)



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

Bid Number P-50-18

TO: KEITH
 (Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to sell commodities or perform subcontracting work in connection with the above contract as (check below)

☐ an individual

☒ a corporation

☐ a partnership

☐ a joint venture

The undersigned is prepared to sell product(s) or perform the following work in connection with the above Contract, as hereafter described in detail:

Geotechnical Services

at the following price: _____

10/22/18

(Date)

Florida Engineering & Testing, Inc.

(Name of Local Business Contractor)

250 SW 13th Avenue

(address)

Pompano Beach, FL 33069

(address City, State Zip Code)

BY: _____

(Name)

Christine Chang SVP



MINORITY BUSINESS ENTERPRISES 11.0

San Jacinto Plaza, El Taso, TX

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

RFQ # P-53-18

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

Name of Firm	Certificate Included?
Florida Engineering & Testing, Inc.	YES
Horton Lees Brogden Lighting Design, Inc. (HLB)	YES
CMS - Construction Management Services, Inc.	YES



December 1, 2017

Ms. Barbara Horton
Horton Lees Brogden Lighting Design Inc.
38 E. 32nd Street
11th Floor
New York, NY 10016

e-mail: ecantavella@hlblighting.com

SUBJECT: CITY OF ORLANDO MWBE CERTIFICATION AWARD LETTER

Dear Ms. Horton:

We are pleased to inform you that Horton Lees Brogden Lighting Design Inc. has been certified as a WBE by the City of Orlando. This certification is valid until 11/30/2019. This Certification is specifically for the approved line(s) of business specified and does not automatically certify your company in any other commodity or service. Horton Lees Brogden Lighting Design Inc. will be listed in the City of Orlando's MWBE Directory with the certified line(s) business listed on the following page. The directory can be accessed via the City's internet at link provided below.

<https://cityoforlando.mwbe.com/directory.asp>

As a condition of continued certification you must file a Re-Certification Application not less than sixty (60) days prior to the date of expiration of the existing certification. Failure to file this application will result in the termination of your certification. However, if at any time the ownership, control, location and/or minority/women-owned business status of your firm changes, the City of Orlando MBE Official should be notified immediately of the changes.

Please be advised that all MWBE provisions of Chapter 57, Articles II & III of the Code of the City of Orlando must be maintained in order for your firm to retain its MWBE Certification status. Be advised that failure to maintain compliance with the above noted requirements will result in termination of certification.

Your firm's participation on City of Orlando contracts will be credited only toward WBE goals for the certified line(s) of business listed. While your participation on City of Orlando contracts is not limited to your certified line(s) of business, credit towards WBE goals will be given only for work done in the area(s) which your firm is certified for.

Thank you for your continued interest in the City of Orlando's program.

Sincerely,

Bruno Portigliatti

Bruno Portigliatti, Chairman Certification Board



EXECUTIVE OFFICES • MINORITY BUSINESS ENTERPRISE AND BLUEPRINT DIVISION

Orlando City Hall · 400 South Orange Avenue · Eighth Floor
PO Box 4990 · Orlando, FL 32802-4990
P 407.246.2623 · F 407.245.0000 · cityoforlando.net



LITIGATION

12.0

Ithaca Commons, Ithaca, NY



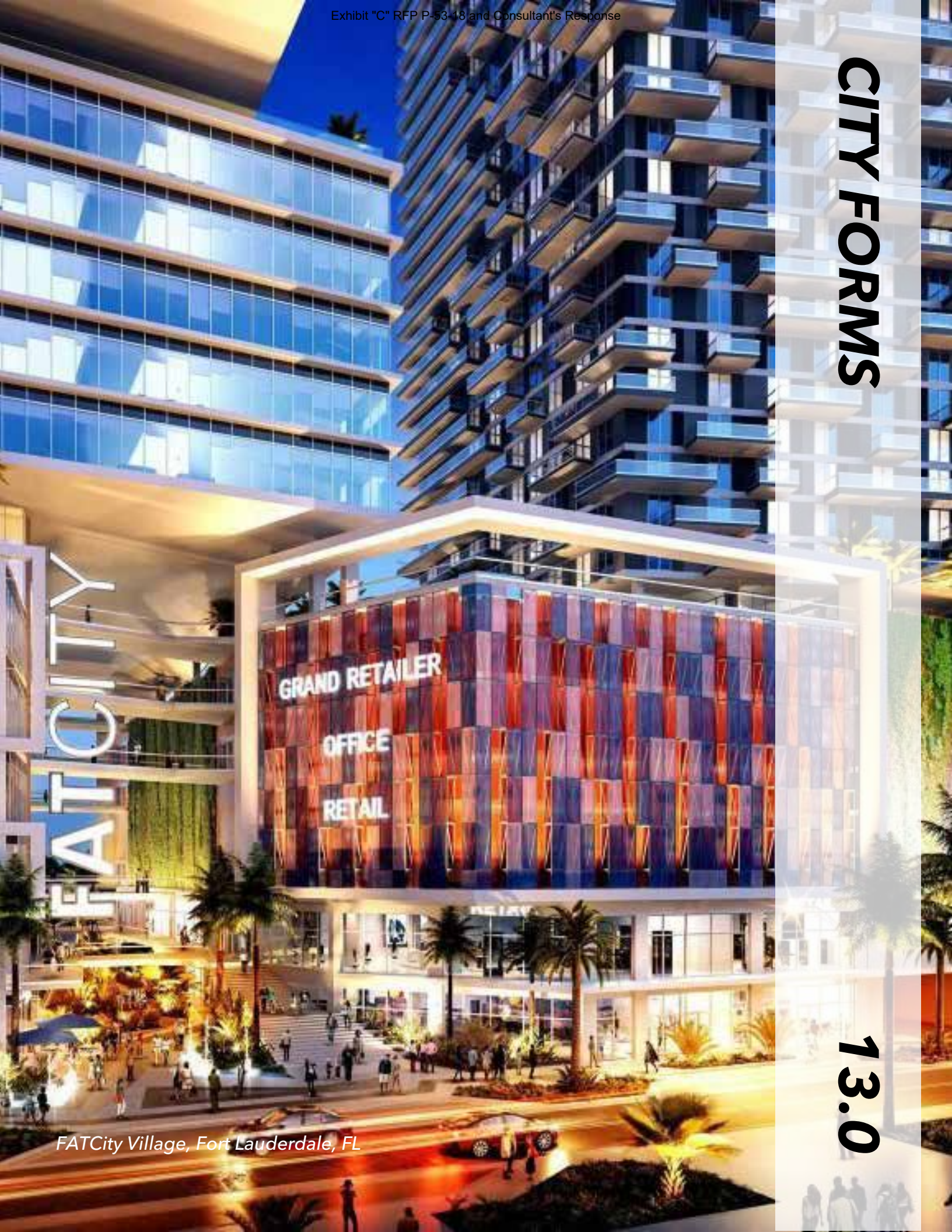
LITIGATION

KEITH has not had any business-related lawsuits and litigation, claims, arbitrations, and administrative hearings; negligence; errors and omissions; and contract defaults, terminations, suspensions, or failure to perform brought by or against the firm or its principals and officers during the last (5) years.



CITY FORMS

13.0



FATCity Village, Fort Lauderdale, FL

Bidder Company Name **KEITH****Qualifications Of Bidders**

To demonstrate qualifications to perform the work, and to be considered for award, each bidder shall submit at least three (3) business customer references. Provide information for business customers for whom you have performed work of this nature which you list as references, excluding the City of Pompano Beach. (Use an attachment if necessary.)

1. Name and address of customer: **Las Olas Boulevard Corridor Study**
950 NW 38th Street, Oakland Park, Florida 33309
 Contact person name, telephone number and email address: **Mike Weymouth, Property Owners of Las Olas (POLO) Las Olas Company, 954-463-5630, MWeymouth@thelasolascompany.com**
 Description of services provided and date(s) of service: **Worked on Las Olas Boulevard for Property Owners on Las Olas (POLO) (Ongoing). Provided planning and landscape architecture.**

2. Name and address of customer: **City of Parkland**
6600 University Drive, Parkland, Florida 33067
 Contact person name, telephone number and email address: **Sowande Johnson, Assistant City Manager - 954-757-4144 - SJohnson@CityofParkland.org**
 Description of services provided and date(s) of service: **Worked on various projects for the City: Quigley Tennis Park (2017) providing surveying, planning, engineering, landscape architecture and construction management services. Barkland Dog Park (2012) providing surveying, engineering and construction admin services**

3. Name and address of customer: **Levitt Foundation / Crush Law**
333 North New River Drive East, Suite 2200, Fort Lauderdale, Florida 33301
 Contact person name, telephone number and email address: **Courtney Crush Attorney - 954-522-2010 - CCrush@crushlaw.com**
 Description of services provided and date(s) of service: **Worked on Levitt Pavilion at Esplanade Park (Ongoing). Provided planning, design and landscape architecture services.**

N/A

LOCAL BUSINESS EXHIBIT "C"
LOCAL BUSINESS
UNAVAILABILITY FORM

BID # P-53-18

I, Lori Treviranus, Vice President of Transportation
(Name and Title)

of KEITH, certify that on the 30th day of
October, 2018, I invited the following LOCAL BUSINESSES to bid work
items to be performed in the City of Pompano Beach:

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

Said Local Businesses:

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

Name and Title:

Date:

Note: Attach additional documents as available.



N/A

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

BID # P-53-18

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

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

3. Did you send written notices to Local Businesses?

☐ Yes ☐ No

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

4. Did you advertise in local publications?

☐ Yes ☐ No

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

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

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

	\$	
	\$	
	\$	

8. Other comments:

--



N/A

LOCAL BUSINESS EXHIBIT "D" – Page 2





KEITH

Engineering Inspired Design.

KEITHteam.com