

# CITY OF FORT LAUDERDALE

CEI Services for Downtown  
Mobility Hub Project (CCNA)

**RFQ #12135-986**



**KS** KEITH &  
SCHNARS

6500 North Andrews Ave.  
Fort Lauderdale, FL 33309  
Phone: (954) 776-1616  
Fax: (954) 771-7690  
[www.ksfla.com](http://www.ksfla.com)

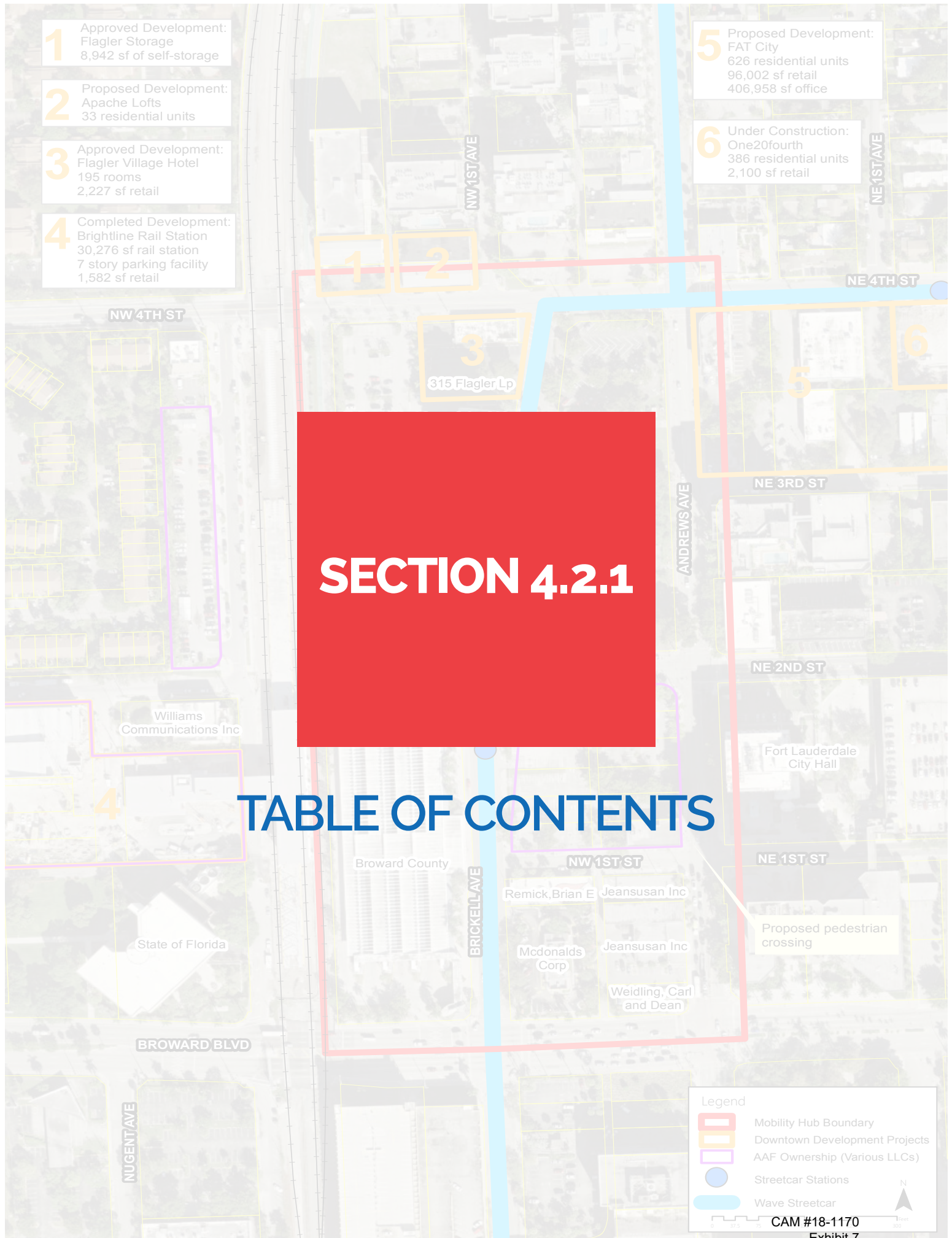


- 1** Approved Development:  
Flagler Storage  
8,942 sf of self-storage
- 2** Proposed Development:  
Apache Lofts  
33 residential units
- 3** Approved Development:  
Flagler Village Hotel  
195 rooms  
2,227 sf retail
- 4** Completed Development:  
Brightline Rail Station  
30,276 sf rail station  
7 story parking facility  
1,582 sf retail

- 5** Proposed Development:  
FAT City  
626 residential units  
96,002 sf retail  
406,958 sf office
- 6** Under Construction:  
One20fourth  
386 residential units  
2,100 sf retail

# SECTION 4.2.1

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**Legend**

- Mobility Hub Boundary
- Downtown Development Projects
- AAF Ownership (Various LLCs)
- Streetcar Stations
- Wave Streetcar

0 37.5 75 150 Feet

**CAM #18-1170**  
Exhibit 7  
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# SECTION 4.2.2

## EXECUTIVE SUMMARY



**Legend**

- Mobility Hub Boundary
- Downtown Development Projects
- AAF Ownership (Various LLCs)
- Streetcar Stations
- Wave Streetcar

0 37.5 75 150 Feet

**CAM #18-1170**  
Exhibit 7  
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## 4.2.2 - Executive Summary

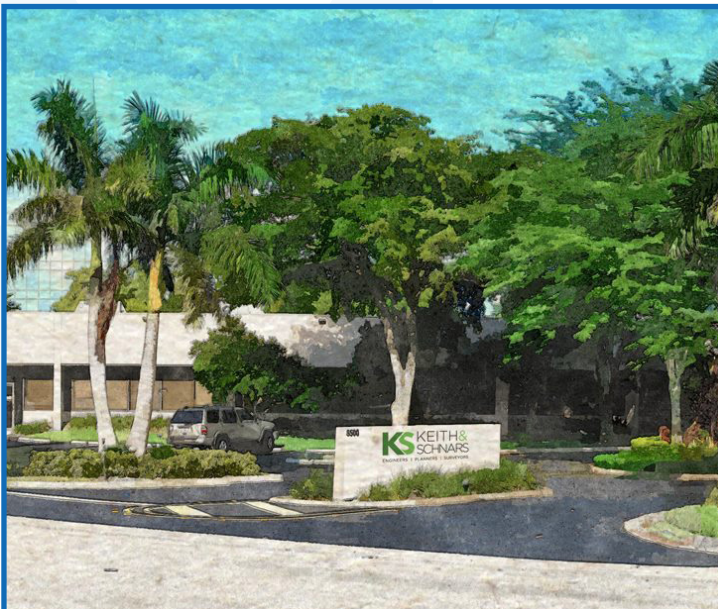
### Introduction

Located at 6500 North Andrews Avenue in the City of Fort Lauderdale for 45 years, Keith & Schnars (K&S) is committed to the success of this project in our downtown and will seamlessly work with the City of Fort Lauderdale (FTL), Broward Metropolitan Planning Organization (BPMO) and the Federal Transit Administration (FTA) to successfully accomplish this critically important project. As identified under the City's Vision Zero Initiative, the Mobility Hub project boundaries are Broward Boulevard to the South, Andrews Avenue to the East, NW 4th St to the North and the FEC R/R right-of-way to the West. Additionally, the Wave Streetcar project will bisect the area and provide a station along Brickell Avenue between NW 1st and NW 2nd Street. The newly opened Brightline FTL station is within walking distance of the mobility hub.

We are cognizant of the very tight schedules associated with the funding and delivery of this project. The project must be fully completed by December 31, 2019. As such, K&S is committing our most experienced and capable team to accomplish this.

### Personnel

We are pleased to be joined for this project by T.Y. Lin International, Inc. (TYLI) for architectural construction management, STV, Inc. (STV) for electrical and mechanical services, Terracon Consultants, Inc. (Terracon) for geotechnical and materials testing and Morales Consulting Engineers, Inc. (MCE), a certified DBE firm, for structures. K&S is currently working with all of these firms on other assignments; our firms know how to work with each other as a single entity, thus, no learning curve.



## 4.2.2 - Executive Summary

Our K&S Team is comprised of the following key staff:

- Mark J. Moshier, PE - Principal-in-Charge
- José (Joe) L. Gómez, PE - Quality Assurance & Vice Principal
- Jorge A. Ortiz, PE - Senior Project Engineer (SPE)
- Roland Barros, CGC - Project Administrator (PA)
- Ramon Llana, EI - Contract Support Specialist (CSS)
- Paul DiPaola - Senior Inspector
- Hector R. Laguna - Inspector
- Robert K. Krisak, PLS - Survey & GIS

All of the above personnel are located out of our K&S FTL office and all have previously worked on projects for the City of FTL's Transportation & Mobility Department. Most recently, the above team completed for FTL, NE 13th Street from NE 8th Avenue to NE 4th Avenue and SR A1A from Oakland Park Boulevard to Flamingo Avenue for FDOT District 4 with extensive involvement by the City. The relationships we have developed over the past several years will ensure that we communicate effectively and can make decisions quickly, ensuring the Contractor's schedule is not impacted by the Team.

### Key Elements of the Statement of Qualifications (SOQ)

As outlined in the SOQ, the purpose of this contract is to serve as Owner's Rep to provide:

- Task 1: Constructability Reviews at 60 % and 90 %
- Task 2: CEI Services. These services will include the following tasks:
  - General Administration
  - Project Management
  - Onsite Inspections
  - Architectural/Engineering Services
  - Survey Control
  - Sampling and Testing

The duration for the CEI services is as follows:

- Pre-Construction = 20 days
- Construction Duration = 365 days (substantial completion)
- Project Closeout = 10 days

The overall project schedule is:

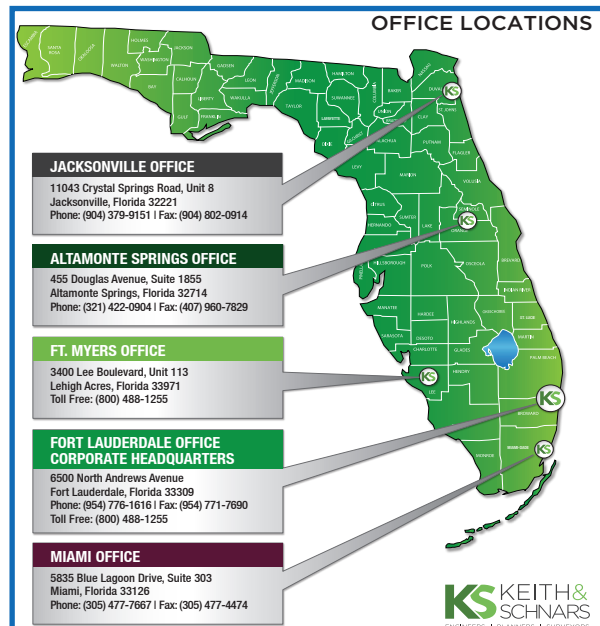
60% Constructability Review = August 2018  
 90% Constructability Review = September 2018  
 Construction = December 2018 - December 2019

### Summary

K&S has the experience, qualifications and personnel to work with the City, Contractor, Designer and stakeholders to achieve the project schedule on time and within budget and ensuring that all federal requirements under the BMPO and FTA are met. We are ready to start to work immediately and look forward to successfully serving the City of Fort Lauderdale, our home, again.

### Office Locations

Our corporate headquarters is located in Fort Lauderdale, FL. We also have satellite offices in Miami, Lehigh Acres, Altamonte Springs, and Jacksonville. The services for this contract will be managed from our Fort Lauderdale office.





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# SECTION 4.2.3

## FIRM QUALIFICATIONS AND EXPERIENCE



**Legend**

- Mobility Hub Boundary
- Downtown Development Projects
- AAF Ownership (Various LLCs)
- Streetcar Stations
- Wave Streetcar

0 37.5 75 150 Feet

**CAM #18-1170**  
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## ***4.2.3 - Firm Qualifications and Experience***

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**Number of Years of Experience:** 45

**Business Structure:** Corporation

**W/MBE:** No

**Address:** 6500 North Andrews Avenue, Fort Lauderdale, Florida 33309

**Phone:** (954) 776-1616

**Fax:** (954) 771-7690

**Email:** jgomez@ksfla.com

**Website:** www.ksfla.com

### ***Contacts:***

**Mark J. Moshier, PE**

Executive Vice President of Production

Email: mmoshier@ksfla.com

Phone: (954) 776-1616

**Joe L. Gómez, P.E.**

Senior Vice President of Engineering

Email: jgomez@ksfla.com

Phone: (954) 776-1616

**Relative Size of Firm:**

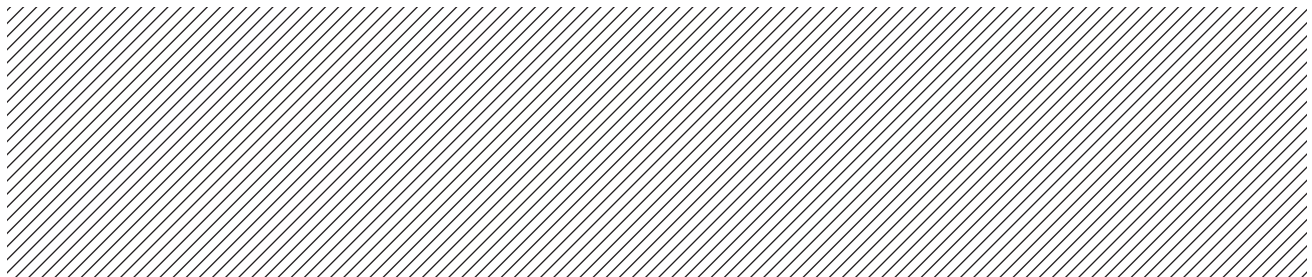
120 employees

**Licenses/Certification:**

Corporate and key individual's licenses and certifications are included in this section.


**State of Florida Registration:**

A copy of K&S' Certificate of Status is included in this section.





## 4.2.3 - Firm Qualifications and Experience

ARCHITECT – ENGINEER QUALIFICATIONS						
PART I - CONTRACT-SPECIFIC QUALIFICATIONS						
A. CONTRACT INFORMATION						
1. TITLE AND LOCATION <i>(City and State)</i> <b>Construction Engineering and Inspection (CEI) Services for Downtown Mobility Hub Project (CCNA), Fort Lauderdale, FL</b>						
2. PUBLIC NOTICE DATE <b>March 30<sup>th</sup>, 2018</b>			3. SOLICITATION OR PROJECT NUMBER <b>RFQ # 12135-986</b>			
B. ARCHITECT-ENGINEER POINT OF CONTACT						
4. NAME AND TITLE <b>Joe L. Gómez, P.E., Senior Vice President of Engineering</b>						
5. NAME OF FIRM 						
6. TELEPHONE NUMBER <b>(954) 776-1616</b>		7. FAX NUMBER <b>(954) 776-8045</b>		8. E-MAIL ADDRESS <b>jgomez@ksfla.com</b>		
C. PROPOSED TEAM (Complete this section for the prime contractor and all key subcontractors.)						
	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCONTRACTOR			
a.	✓			<b>Keith &amp; Schnars</b> <input type="checkbox"/> CHECK IF BRANCH OFFICE	<b>6500 North Andrews Avenue Fort Lauderdale, FL 33309</b>	<b>Prime</b>
b.			✓	<b>Terracon Consultants, Inc.</b> <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	<b>5371 NW 33rd Avenue, Suite 201 Fort Lauderdale, FL 33309</b>	<b>Geotechnical Engineering &amp; Materials Testing</b>
c.			✓	<b>STV, Inc.</b> <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	<b>6303 Blue Lagoon Drive, Suite 400 Miami, FL 33126</b>	<b>Electrical Engineering</b>
d.			✓	<b>T.Y.Lin International</b> <input type="checkbox"/> CHECK IF BRANCH OFFICE	<b>1501 NW 49<sup>th</sup> Street, Suite 203 Fort Lauderdale, FL 33309</b>	<b>Architecture</b>
e.			✓	<b>Morales Consulting Engineers, Inc.</b> <input type="checkbox"/> CHECK IF BRANCH OFFICE	<b>3832-010 Baymeadows Road Suite 132 Jacksonville, FL 32217</b>	<b>Structural Engineering</b>
f.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
g.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
h.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
D. ORGANIZATIONAL CHART OF PROPOSED TEAM				<input checked="" type="checkbox"/> (Attached)		

## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME <b>Mark J. Moshier, P.E.</b>	13. ROLE IN THIS CONTRACT <b>Principal-in-Charge</b>	14. YEARS EXPERIENCE a. TOTAL 41      b. WITH CURRENT FIRM 27	
15. FIRM NAME AND LOCATION (City and State) <b>KS KEITH &amp; SCHNARS Fort Lauderdale, FL</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil and Environmental Engineering, Clarkson University, 1977		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer, FL #32016	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) ACEC-FL- Chairman of FDOT District 6 Liaison Committee			
19. RELEVANT PROJECTS			
a	(1) TITLE AND LOCATION (City and State) <b>Executive Vice President of Production, Keith &amp; Schnars</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing      CONSTRUCTION (If applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Moshier is responsible for overseeing and directing all of the engineering departments and lead senior project manager.		
b	(1) TITLE AND LOCATION (City and State) <b>Lead Project Manager FDOT General Engineering Contract #4, Contract No. C9007, Miami, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES August 2017      CONSTRUCTION (If applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible to develop and deliver a multiple task work order related project management program encompassing all the details of each project to the team members. Responsible to ensure the overall program is aligned to and directly supports the achievement of strategic objectives of the General Engineering Contract scope of services. Set realistic goals and develop appropriate strategies for achieving the set goals. Provide coaching and guidance to the team members about every aspect of the project such that the team members understand their tasks fully and can accomplish them efficiently. Responsible to identify all the internal and external resources whether financial or human resources required for completing the project successful and evaluate the progress of each project on a regular basis. Identify strategies and tools to increase productivity, as necessary. Responsible to develop and execute an efficient internal communication strategy for ensuring communication with all levels of management within the team. Develop tools and techniques for disturbing tasks according to the skills of every team member and provide an evaluation of the performance of all team members. Final Contract Amount \$12,189,732.23		
c	(1) TITLE AND LOCATION (City and State) <b>Lead Project Manager FDOT General Engineering Contract #2, Contract No. C8288, Miami, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES September 2014      CONSTRUCTION (If applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible to develop and deliver a multiple task work order related project management program encompassing all the details of each project to the team members. Responsible to ensure the overall program is aligned to and directly supports the achievement of strategic objectives of the General Engineering Contract scope of services. Set realistic goals and develop appropriate strategies for achieving the set goals. Provide coaching and guidance to the team members about every aspect of the project such that the team members understand their tasks fully and can accomplish them efficiently. Responsible to identify all the internal and external resources whether financial or human resources required for completing the project successful and evaluate the progress of each project on a regular basis. Identify strategies and tools to increase productivity, as necessary. Responsible to develop and execute an efficient internal communication strategy for ensuring communication with all levels of management within the team. Develop tools and techniques for disturbing tasks according to the skills of every team member and provide an evaluation of the performance of all team members. Final Contract Amount \$20,463,808.63		




## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)					
12. NAME  <b>Joe L. Gómez, P.E.</b>	13. ROLE IN THIS CONTRACT  <b>QA/QC</b>	14. YEARS EXPERIENCE <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">a. TOTAL 40</td> <td style="width: 50%; border: none;">b. WITH CURRENT FIRM 2</td> </tr> </table>		a. TOTAL 40	b. WITH CURRENT FIRM 2
a. TOTAL 40	b. WITH CURRENT FIRM 2				
15. FIRM NAME AND LOCATION (City and State) <div style="display: flex; align-items: center;"> <div style="font-size: 2em; font-weight: bold; margin-right: 5px;">KS</div> <div> <b>KEITH &amp; SCHNARS</b>            Fort Lauderdale, FL         </div> </div>					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering Technology (CET), Florida International University (FIU), 1981 A.A., Pre-Engineering, Miami-Dade College (MDC), 1977		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer, FL #35526			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>FDOT CTQP Qualifications:</b> (TIN #G52043256) QC Manager, Earthwork Construction Inspection - Levels 1 & 2 <b>Professional Certifications:</b> FDOT: Maintenance of Traffic (MOT) - Advanced # 5653; Nuclear and Safety Training; HAZMAT Training; Auger Cast Pile; MSE Wall <b>Awards:</b> Engineer of the Year, Florida Engineering Society, Miami Chapter, 2017; Jay W. Brown Award for Outstanding Managerial and Leadership Abilities, FDOT 1991; Distinguished Alumni, "I am MDC", Miami Dade College, 2002, 2012 <b>Professional Organizations:</b> Florida Engineering Society- Board of Directors, Miami Chapter; American Society of Civil Engineers (ASCE), Member					
19. RELEVANT PROJECTS					
	(1) TITLE AND LOCATION (City and State)  <b>NE 13th Street from NE 4th Avenue to NE 8th Avenue CEI Services, Contract #19196, Fort Lauderdale, FL</b>	(2) YEAR COMPLETED <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">PROFESSIONAL SERVICES 2018</td> <td style="width: 50%; border: none;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018
PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018				
a	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager for reconstruction of NE 13th Street from NE 8th Avenue to FEC R/R. The project includes adding bike lanes, removal of existing traffic signal and construction and new roundabout, bio-swales and new street lighting				
	(1) TITLE AND LOCATION (City and State)  <b>NW 52nd Street/NW 102nd Avenue CEI Services, Contract #G0049, Doral, FL</b>	(2) YEAR COMPLETED <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; border: none;">CONSTRUCTION (If applicable) 2017</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017				
b	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - Providing Construction, Engineering and Inspection services for this \$3.0 million project for The City of Doral. This project is a Local Agency Program (LAP) off-highway system. The project includes the construction of a new French drain system, upgraded pedestrian improvements including ADA detectable warning devices, pedestrian signal heads and solar powered rectangular rapid flashing beacons for added safety at crosswalks, milling and resurfacing and new bicycle lanes.				
	(1) TITLE AND LOCATION (City and State)  <b>SR-201, New Road Construction, Baldwin Bypass, Jacksonville, FL</b>	(2) YEAR COMPLETED <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%; border: none;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
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c	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm QA Officer – Providing CEI services to provide a bypass around the Town of Baldwin, connecting SR-200 (US-301) at the I-10 Interchange to the recently completed four lane rural divided highway SR-200 (US-301) on the Northeast side. Include 6 FIB bridges (4 at CSX crossings), embankment with surcharging, MSE wall and new asphalt and concrete roadway. Responsible for all QA audits as per contract requirements				
	(1) TITLE AND LOCATION (City and State)  <b>Card Sound Road Toll Plaza Replacement Design-Build, On Call Professional Engineering Services, Monroe County, FL</b>	(2) YEAR COMPLETED <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%; border: none;">CONSTRUCTION (If applicable) N/A</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A				
d	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager – Scope of services include serving as Owner's Representative during the design phase, including processing of Shop Drawings, approval of submittals and review of Contractor's schedule of values. Also, responsible for providing CEI services for the complete demolition of the old toll plaza, reconstruction of new concrete aprons and flexible pavement approaches, drainage, installation of new equipment toll building and gantry for the Sunpass cashless toll system.				

## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)					
12. NAME  <b>Jorge A. Ortiz, P.E.</b>	13. ROLE IN THIS CONTRACT  <b>Senior Project Engineer</b>	14. YEARS EXPERIENCE <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 32</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 4</td> </tr> </table>		a. TOTAL 32	b. WITH CURRENT FIRM 4
a. TOTAL 32	b. WITH CURRENT FIRM 4				
15. FIRM NAME AND LOCATION (City and State) <div style="display: flex; align-items: center;"> <div> <b>KEITH &amp; SCHNARS</b>  Fort Lauderdale, FL </div> </div>					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering, University of Florida, 1979		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer, FL #0037772, MD #0014738			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>FDOT CTQP Qualifications:</b> (TIN #O63242154) Final Estimates - Levels 1 & 2, Asphalt Paving Technician – Levels 1 & 2, QC Manager <b>Professional Certifications:</b> FDOT: Maintenance of Traffic (MOT) – Advanced; FDEP Stormwater, Erosion & Sedimentation Control Inspector; Critical Structures Construction Inspection <b>Awards:</b> 2000 Urban Project Award, Resident Engineer, Biscayne Boulevard (US-1); ASCE 2009 Project of the Year, Broward County Reclaimed Water for the City of Coconut Creek					
19. RELEVANT PROJECTS					
	(1) TITLE AND LOCATION (City and State) <b>SR-A1A from Oakland Park Boulevard to Flamingo Avenue, FPID #431204-1-52-01, Fort Lauderdale, FL</b>	(2) YEAR COMPLETED <b>PROFESSIONAL SERVICES</b> 2018	<b>CONSTRUCTION</b> (If applicable) N/A		
a	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Project Engineer - This is a "Greenway" beautification enhancement project which entails the reconstruction and restoration of approximately 1.04 miles of a four-lane roadway facility to include a bike lane in each direction and a raised median. The work also includes major improvements to the existing drainage system, new curb and gutter, sidewalk, extensive hardscape, lighting, signalization, signage and pavement markings. Responsible for the contract administration and construction management of this project including field staff supervision, overall construction project schedule monitoring, Quality Control of contractor operations and materials certifications.				
	(1) TITLE AND LOCATION (City and State) <b>I-75/SR-93 from Broward County Line to East of SR-951, FPID #436092-1-52-01, Collier County, FL</b>	(2) YEAR COMPLETED <b>PROFESSIONAL SERVICES</b> Ongoing	<b>CONSTRUCTION</b> (If applicable) N/A		
b	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Project Engineer - This is a 50-mile safety improvement project consisting of the installation of guardrails along the outside shoulders on both NB and SB. Some existing guardrails will be upgraded to meet the current design standards and the maintenance service openings will be improved to provide better delineated entry points. Responsible for contract administration and construction management including quality control, resolution of project issues, contract negotiation, construction inspection and supervision.				
	(1) TITLE AND LOCATION (City and State) <b>US-41 Groupings, FPID #425228-1-62-01, Lee &amp; Charlotte Counties, FL</b>	(2) YEAR COMPLETED <b>PROFESSIONAL SERVICES</b> 2013	<b>CONSTRUCTION</b> (If applicable) N/A		
c	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Engineer/Administrator - Provided CEI services on a grouping of 5 projects along US-41 in Lee and Charlotte Counties. Two of the five projects included: SR-867, McGregor Boulevard from College Parkway to Keenan Avenue, Lee County. These projects involved milling and resurfacing of 0.36 miles of roadway, widening of shoulders, drainage system reconstruction, sidewalk improvements, signing & pavement markings and signalization; Pine Island Road/SR-78 from US-41 to Del Prado Boulevard, Lee County (FPID #425230-1-52-01) involved milling and resurfacing, widening of 2.6 miles of roadway for bike path, shoulder treatment, drainage improvements, de-silting, curb & gutter, guardrail, sidewalk construction, signing & paving and signalization.				
	(1) TITLE AND LOCATION (City and State) <b>Broward County Highway Construction &amp; Engineering Division, Fort Lauderdale, FL</b>	(2) YEAR COMPLETED <b>PROFESSIONAL SERVICES</b> 2011	<b>CONSTRUCTION</b> (If applicable) N/A		
d	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Design Section Manager - Duties included the design and review of a wide variety of engineering and environmental projects, scheduling assigning projects and supervision of subordinate engineering and technical personnel engaged in design. Mr. Ortiz was also responsible for the preparation and review of estimates, contract documents and specifications, analysis and review of consultant engineering studies and designs				

## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
(Complete one Section E for each key person.)			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Ramon Llana, E.I.	Contract Support Specialist	a. TOTAL 34	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION (City and State)			
 Fort Lauderdale, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
B.S., Civil Engineering, Florida International University, 1984 A.A., Civil Engineering, Miami-Dade College, 1979		N/A	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			
<b>FDOT CTQP Qualifications:</b> TIN # L50073058, Final Estimates – Levels 1 & 2; Asphalt Paving Technician - Level 1; Earthwork Construction Inspection - Levels 1 & 2 <b>Professional Certifications:</b> FDOT - ATSSA Worksite Traffic Supervisor Certification; MOT - Maintenance of Traffic Intermediate; Base Testing Certified; International Municipal Signal Association; MSE Wall Certification; MEW-Basic/Multiline Earth Work; Traffic Signal Seminar; TROXLER Nuclear Training and Safety; HAZMAT Certification; FDEP Stormwater, Erosion & Sedimentation Control Inspector Training			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
NE 13 <sup>th</sup> Street CEI Services, Contract #19196, Fort Lauderdale, FL		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) N/A
a.	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm Contract Support Specialist- CEI services for the repurposing of NE 13th Street to add designated green painted bike ways in both directions, bio-swales, milling and resurfacing, sidewalks, installation of decorative pavers, conversion of overhead wired street lights to underground and construction of a new roundabout with decorative art (Art in Public Places) at NE 6th Avenue, signage and pavement markings including handicap ramps..		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Reconstruction of NW 25 <sup>th</sup> Street, Miami-Dade County, FL		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) N/A
b.	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input type="checkbox"/> Check if project performed with current firm Contract Support Specialist - This project included the reconstruction of NW 25th Street and the construction of the Viaduct over the Palmetto Expressway. Mr. Llana was responsible for all project documentation, which included correspondence, construction contract changes (SA's, work orders, etc.), design issues and plans submittals, measurements and computations tracking, preparation of monthly estimates and final estimate package.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City of Miami, FL		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) N/A
c.	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input type="checkbox"/> Check if project performed with current firm Project Engineer on projects covering the reconstruction of different city streets, drainage, traffic circle construction at various intersections with landscaping. He was responsible for all project coordination and supervision, including documentation of all measurements and computations, supervising contractor's monthly estimates and final estimate package.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Reconstruction of SR-5/US-1 and Jewfish Creek Bridge		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) N/A
d.	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input type="checkbox"/> Check if project performed with current firm Mr. Llana was responsible for all project documentation that included correspondences, construction contract changes (SAs, work orders, etc.), measurements and computations tracking, design issues and plans submittals, preparation of monthly estimates and final estimate package.		




## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT							
(Complete one Section E for each key person.)							
<b>12. NAME</b>  <b>Roland Barros, CGC</b>	<b>13. ROLE IN THIS CONTRACT</b>  <b>Project Administrator</b>	<b>14. YEARS EXPERIENCE</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"><b>a. TOTAL</b></td> <td style="width: 50%; text-align: center;"><b>b. WITH CURRENT FIRM</b></td> </tr> <tr> <td style="text-align: center;">18</td> <td style="text-align: center;">14</td> </tr> </table>		<b>a. TOTAL</b>	<b>b. WITH CURRENT FIRM</b>	18	14
<b>a. TOTAL</b>	<b>b. WITH CURRENT FIRM</b>						
18	14						
<b>15. FIRM NAME AND LOCATION (City and State)</b> <div style="display: flex; align-items: center;"> <div> <b>KEITH &amp; SCHNARS</b> Fort Lauderdale, FL         </div> </div>							
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b>  B.S., Construction Management, FIU, 2009; B.S., Mechanical Engineering, Universidad Gran Mariscal de Ayacucho, Venezuela, 2003; State General Contractor (CGC) Paving Engineer, Dade County A.A., Civil Engineering, Broward County Community College, 2005 A.A., Computer Science, Antonio J. de Sucre Polytechnic, Barcelona, Venezuela, 2005		<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b> Certified General Contractor #CGC1522381					
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b> <b>FDOT CTQP Qualifications:</b> (TIN #B62172075) - QC Manager, Final Estimates - Levels 1 & 2, Concrete Field Technician - Level 1, Drilled Shaft Inspection, Earthwork Construction Inspection - Levels 1 & 2, Asphalt Paving - Levels 1 & 2. <b>Professional Certifications:</b> <b>ACI</b> - Concrete Field Technician - Level 1 <b>FDOT</b> - Critical Bridge Construction Issues, MSE Wall, Auger Cast Pile, MOT - Advanced, Concrete Field Inspector Specification, MRP Training & Quality Management Introduction, IS 100 Introduction to the Incident Command System, IS 700 National Incident Management NIMS System Introduction, OSHA 30 hrs, HAZMAT Training, OSHA Awareness - Training 01 to 16, TROXLER Nuclear Training and Safety, EEO/DBE/OJT/ Wages Concern for Field Personnel. <b>Other</b> - Hygiene, Industrial Security and Safety Level 2 ACCROVEN S.R.L-VENEZUELA, CETEPEP-VENEZUELA, Paving Engineer Miami-Dade County (PE)							
19. RELEVANT PROJECTS							
<b>(1) TITLE AND LOCATION (City and State)</b> <b>SR-A1A from Oakland Park Boulevard to Flamingo Avenue, FPID# 43120415201, Fort Lauderdale, FL</b>		<b>(2) YEAR COMPLETED</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"><b>PROFESSIONAL SERVICES</b></td> <td style="width: 50%; text-align: center;"><b>CONSTRUCTION (If applicable)</b></td> </tr> <tr> <td style="text-align: center;">2018</td> <td style="text-align: center;">N/A</td> </tr> </table>		<b>PROFESSIONAL SERVICES</b>	<b>CONSTRUCTION (If applicable)</b>	2018	N/A
<b>PROFESSIONAL SERVICES</b>	<b>CONSTRUCTION (If applicable)</b>						
2018	N/A						
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>a</b> Project Administrator - This is a "Greenway" beautification enhancement project which entails the reconstruction and restoration of approximately 1.04 miles of a four-lane roadway facility to include a bike lane in each direction and a raised median. The work also includes major improvements to the existing drainage system, new curb and gutter, sidewalk, extensive hardscape, lighting, signalization, signage and pavement markings. Responsible for the contract administration and construction management of this project including field staff supervision, overall construction project schedule monitoring, Quality Control of contractor operations and materials certifications.		<input checked="" type="checkbox"/> <b>Check if project performed with current firm</b>					
<b>(1) TITLE AND LOCATION (City and State)</b> <b>NE 13th Street from NE 4th Avenue to NE 8th Avenue CEI Services, Contract #19196, Fort Lauderdale, FL</b>		<b>(2) YEAR COMPLETED</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"><b>PROFESSIONAL SERVICES</b></td> <td style="width: 50%; text-align: center;"><b>CONSTRUCTION (If applicable)</b></td> </tr> <tr> <td style="text-align: center;">2018</td> <td style="text-align: center;">N/A</td> </tr> </table>		<b>PROFESSIONAL SERVICES</b>	<b>CONSTRUCTION (If applicable)</b>	2018	N/A
<b>PROFESSIONAL SERVICES</b>	<b>CONSTRUCTION (If applicable)</b>						
2018	N/A						
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>b</b> Project Administrator - CEI services for the repurposing of NE 13th Street to add designated green painted bike ways in both directions, bio-swales, milling and resurfacing, sidewalks, installation of decorative pavers, conversion of overhead wired street lights to underground and construction of a new roundabout with decorative art (Art in Public Places) at NE 6th Avenue, signage and pavement markings including handicap ramps.		<input checked="" type="checkbox"/> <b>Check if project performed with current firm</b>					
<b>(1) TITLE AND LOCATION (City and State)</b> <b>FDOT District 6 DW CEI Services, Miami-Dade and Monroe Counties, FL</b>		<b>(2) YEAR COMPLETED</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"><b>PROFESSIONAL SERVICES</b></td> <td style="width: 50%; text-align: center;"><b>CONSTRUCTION (If applicable)</b></td> </tr> <tr> <td style="text-align: center;">2016</td> <td style="text-align: center;">N/A</td> </tr> </table>		<b>PROFESSIONAL SERVICES</b>	<b>CONSTRUCTION (If applicable)</b>	2016	N/A
<b>PROFESSIONAL SERVICES</b>	<b>CONSTRUCTION (If applicable)</b>						
2016	N/A						
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>c</b> Project Administrator - Responsible for ensuring complete inspection per contract documents, material compliance, and assignment of inspection staff and interpretation of contract plans. The following projects were performed under this district wide contract		<input checked="" type="checkbox"/> <b>Check if project performed with current firm</b>					
<b>(1) TITLE AND LOCATION (City and State)</b> <b>Seacrest Beautification Phase 1/NE 2nd Avenue from George Bush Boulevard to NE 13th Street, FPID# 435808-1-58-01, Delray Beach, FL</b>		<b>(2) YEAR COMPLETED</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"><b>PROFESSIONAL SERVICES</b></td> <td style="width: 50%; text-align: center;"><b>CONSTRUCTION (If applicable)</b></td> </tr> <tr> <td style="text-align: center;">Ongoing</td> <td style="text-align: center;">N/A</td> </tr> </table>		<b>PROFESSIONAL SERVICES</b>	<b>CONSTRUCTION (If applicable)</b>	Ongoing	N/A
<b>PROFESSIONAL SERVICES</b>	<b>CONSTRUCTION (If applicable)</b>						
Ongoing	N/A						
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>d</b> Project Administrator - CEI LAP project services for the widening of NE 2nd Avenue to add designated green painted bike ways in both directions, repurposing of swales including removal of existing vegetation, milling and resurfacing, new sidewalks and valley gutters, reconstruction of driveways, installation of decorative pavers localized drainage improvements, signage and pavement markings.		<input checked="" type="checkbox"/> <b>Check if project performed with current firm</b>					

## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME <b>Jeffrey M. Carpenter, P.E.</b>	13. ROLE IN THIS CONTRACT <b>Constructability Review</b>	14. YEARS EXPERIENCE a. TOTAL 40 b. WITH CURRENT FIRM 4	
15. FIRM NAME AND LOCATION (City and State) <b>KS KEITH &amp; SCHNARS Fort Lauderdale, FL</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Mining Engineering, Virginia Polytechnic Institute and State University, 1977		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer, FL #57334	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>FDOT CTQP Qualifications:</b> QC Manager Exam <b>Professional Certifications:</b> FDOT - MOT - Maintenance of Traffic Advanced <b>Other Certifications:</b> OSHA 10 Hr Safety Training			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) <b>SR-201, New Road Construction, Baldwin Bypass, Jacksonville, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (If applicable) N/A	
a (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Project Engineer – Providing CEI services to provide a bypass around the Town of Baldwin, connecting SR-200 (US-301) at the I-10 Interchange to the recently completed four lane rural divided highway SR-200 (US-301) on the Northeast side. Include 6 FIB bridges (4 at CSX crossings), embankment with surcharging, MSE wall and new asphalt and concrete roadway.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) <b>SR-200/US-301 Reconstruction, Duval &amp; Nassau Counties, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (If applicable) N/A	
b (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer - The work on this \$67 million Design Build project is to widen the road from 2-lane to 4-lane. This 17 mile stretch of US Highway 301 from north of Baldwin to Callahan includes embankment, 11 new bridges, including a bridge over Norfolk Southern Railroad, extensive drainage systems, MSE walls and paving.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) <b>SR-15, Resurfacing from Sweat Road to SR-16A, FPID# 432269-1-52-01, Clay County, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (If applicable) Ongoing	
c (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Project Engineer - CEI services to provide milling and resurfacing, shoulder treatment, highway signing, and other incidental construction.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) <b>I-295/Collins Road Interchange Project, Jacksonville, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014 CONSTRUCTION (If applicable) N/A	
d (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Director of CEI/Senior Project Engineer - This \$64 million project included a new interchange at I-295 and Collins Road. The work included 4.3 miles of collector-distributor concrete roadway, capacity improvements to Blanding Boulevard, four new bridges over the Ortega River and Blanding Boulevard, and a bridge widening at the CSX crossing. The new system reduces the weaving and merging conflicts at the interchanges while providing additional capacity to alleviate traffic back-ups. Mr. Carpenter provided full time CEI oversight, conflict resolution and technical advice.		<input checked="" type="checkbox"/> Check if project performed with current firm	

## 4.2.3 - Firm Qualifications and Experience


E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
(Complete one Section E for each key person.)			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Paul DiPaola	Senior Roadway Inspector	a. TOTAL 14	b. WITH CURRENT FIRM 14
15. FIRM NAME AND LOCATION (City and State)			
 Fort Lauderdale, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
SUNY Farmingdale, State University of New York, September 1991 – December 1992		N/A	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			
<b>FDOT CTQP Qualifications:</b> (TIN #D14069873) Drill Shaft Inspection; Pile Driving Inspection; Concrete Field Technician - Level 1; Earthwork Construction Inspection - Levels 1 & 2; Asphalt Paving Technician - Levels 1 & 2; Final Estimates – Levels 1 & 2 <b>Professional Certifications:</b> <b>ACI:</b> Concrete Field Testing Technician - Level 1; <b>FDOT:</b> Concrete Field Inspector Specification; TROXLER Nuclear Training and Safety; HAZMAT Training; MOT – Maintenance of Traffic, Intermediate; FDEP Stormwater, Erosion and Sedimentation Control Inspector Training; MSE Wall Inspection; CBT Auger Cast Pile; OSHA 30 Safety Training. <b>IMSA:</b> Traffic Signal Inspector – Level 1. <b>AMEC</b> - Fall Protection; Confined Space Training.			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	SR-A1A from Oakland Park Boulevard to Flamingo Avenue, FPID #43120415201, Fort Lauderdale, FL	PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Senior Inspector - This is a "Greenway" beautification enhancement project which entails the reconstruction and restoration of approximately 1.04 miles of a four-lane roadway facility to include a bike lane in each direction and a raised median. The work also includes major improvements to the existing drainage system, new curb and gutter, sidewalk, extensive hardscape, lighting, signalization, signage and pavement markings. Responsible for the contract administration and construction management of this project including field staff supervision, overall construction project schedule monitoring, Quality Control of contractor operations and materials certifications.		
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Card Sound Road Toll Plaza Replacement Design-Build, On Call Professional Engineering Services, Monroe County, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Senior Roadway Inspector – Scope of services include serving as Owner's Representative during the design phase, including processing of Shop Drawings, approval of submittals and review of Contractor's schedule of values. Also, responsible for providing CEI services for the complete demolition of the old toll plaza, reconstruction of new concrete aprons and flexible pavement approaches, drainage, installation of new equipment toll building and gantry for the Sunpass cashless toll system.		
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	SR-9/I-95 from Myrtle Avenue Bridge to Pedestrian Bridge North of Golfair Boulevard Interchange, Jacksonville, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A
f.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Senior Inspector - Provided CEI services for the milling of existing asphalt, structural and friction coarse asphalt paving, striping and guardrail installation.		
g.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	SR-7/NW 2 <sup>nd</sup> Avenue from NW 176 <sup>th</sup> Street to 1200 ft. South of NW 215 <sup>th</sup> Street, North Miami, FL	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) N/A
h.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Senior Inspector - This 2-mile resurfacing milling and resurfacing project included slope correction, sidewalk and median brick pavers installation, signalization mast arms, drainage correction, lighting, minor bridge repair, and traffic separator correction/widening.		



## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
(Complete one Section E for each key person.)			
12. NAME <b>Hector R. Laguna</b>	13. ROLE IN THIS CONTRACT <b>Inspector</b>	14. YEARS EXPERIENCE	
		a. TOTAL 12	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION (City and State) <div style="display: flex; align-items: center;"> <div> <b>KEITH &amp; SCHNARS</b> Fort Lauderdale, FL </div> </div>			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering, Florida International University, 1994 Diplomado Ingeniería de Gas Natural (Natural Gas Engineering), UPSA Santa Cruz, Bolivia, 2003		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) N/A	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>FDOT CTQP Qualifications:</b> (TIN #L25033669) Earthwork Construction Inspection - Level 1; Asphalt Paving Technician - Level 1; Concrete Field Technician - Level 1; Drilled Shaft Inspection; Final Estimates - Level 1 <b>Professional Certifications:</b> FDOT - MOT - Maintenance of Traffic, Intermediate; TROXLER Nuclear Training and Safety; HAZMAT; FDEP Stormwater, Erosion & Sedimentation Control Inspector. <b>IMSA:</b> Traffic Signal Inspector - Level 1 <b>Other Certifications:</b> MSE Wall; Auger Cast Piles; Critical Structures.			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) <b>Seacrest Beautification Phase 1/NE 2nd Avenue from George Bush Boulevard to NE 13th Street, FPID# 435808-1-58-01, Delray Beach, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
a (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Roadway Inspector - CEI LAP project services for the widening of NE 2nd Avenue to add designated green painted bike ways in both directions, repurposing of swales including removal of existing vegetation, milling and resurfacing, new sidewalks and valley gutters, reconstruction of driveways, installation of decorative pavers localized drainage improvements, signage and pavement markings			
(1) TITLE AND LOCATION (City and State) <b>SR-A1A from Oakland Park Boulevard to Flamingo Avenue, FPID #431204-1-52-01, Fort Lauderdale, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) N/A
b (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Roadway Inspector - This is a "Greenway" beautification enhancement project which entails the reconstruction and restoration of approximately 1.04 miles of a four-lane roadway facility to include a bike lane in each direction and a raised median. The work also includes major improvements to the existing drainage system, new curb and gutter, sidewalk, extensive hardscape, lighting, signalization, signage and pavement markings. Responsible for the contract administration and construction management of this project including field staff supervision, overall construction project schedule monitoring, Quality Control of contractor operations and materials certifications.			
(1) TITLE AND LOCATION (City and State) <b>NE 13th Street from NE 4th Avenue to NE 8th Avenue CEI Services, Contract #19196, Fort Lauderdale, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) N/A
c (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Roadway Inspector - CEI services for the repurposing of NE 13th Street to add designated green painted bike ways in both directions, bio-swales, milling and resurfacing, sidewalks, installation of decorative pavers, conversion of overhead wired street lights to underground and construction of a new roundabout with decorative art (Art in Public Places) at NE 6th Avenue, signage and pavement markings including handicap ramps.			
(1) TITLE AND LOCATION (City and State) <b>NW 52nd Street/NW 102nd Avenue CEI Services, Contract #G0049, Doral, FL</b>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) N/A
d (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Inspector - Providing Construction Engineering and Inspection services for this \$3.0 million project for The City of Doral. This project is a Local Agency Program (LAP) off-highway system. Project included Milling, Drainage, and Resurfacing from NW 52nd Street to NW 97th Avenue and NW 102nd Avenue from NW 41st Street to NW 58th Street. The project includes the construction of a new French drain system, upgraded pedestrian improvements including ADA detectable warning devices, pedestrian signal heads and solar powered rectangular rapid flashing beacons for added safety at crosswalks, milling and resurfacing and new bicycle lanes.			

## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT							
(Complete one Section E for each key person.)							
<b>12. NAME</b> Robert K. Krisak, P.L.S.	<b>13. ROLE IN THIS CONTRACT</b> Surveying/GIS/SUE	<b>14. YEARS EXPERIENCE</b> <table border="1"> <tr> <td>a. TOTAL</td> <td>b. WITH CURRENT FIRM</td> </tr> <tr> <td>40</td> <td>39</td> </tr> </table>		a. TOTAL	b. WITH CURRENT FIRM	40	39
a. TOTAL	b. WITH CURRENT FIRM						
40	39						
<b>15. FIRM NAME AND LOCATION (City and State)</b>  Keith & Schnars Fort Lauderdale, FL							
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b> A.A.S., Forestry, Paul Smith's College, 1977		<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b> Registered Professional Surveyor & Mapper, FL #4641					
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b> Florida Society of Professional Surveyors and Mappers; International Who's Who of Professionals							
19. RELEVANT PROJECTS							
a.	(1) TITLE AND LOCATION (City and State) Districtwide Surveying and Mapping Services, FDOT District 4, Fort Lauderdale, FL	(2) YEAR COMPLETED					
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Krisak serves as Quality Assurance Program Manager to ensure the high quality of our survey staff and deliverables for this continuing services miscellaneous contract in which we provide the district design surveys, parcel and right of way stake outs, digital terrain models (DTM), geodetic control, control surveys, right-of-way mapping, right of way (monumentation) surveys, maintenance mapping and parcel sketches.	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A				
b.	(1) TITLE AND LOCATION (City and State) Town of Miami Lakes Miscellaneous Survey and Mapping Services Contract, Miami Lakes, FL	(2) YEAR COMPLETED					
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Krisak serves as Project Manager for the Town of Miami Lakes Contract. He has managed a Topographic Survey for a Beautification Plan on NW 67th Avenue in addition to a Tentative Plat Review and a Final Plat Review on behalf of the Town.	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A				
c.	(1) TITLE AND LOCATION (City and State) City of Riviera Beach General Services Contract, Riviera Beach, FL	(2) YEAR COMPLETED					
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Krisak serves as Project Manager for this continuing Survey Services Contract. To date, a Topographic Survey of 5.67+/- miles of City streets has been performed. Services included power/utility poles, overhead wires, asphalt, curbing, driveways, fences, trees/hedge lines, manholes, drainage structures including inverts, and surface features of utilities. Boundary and Topographic Surveys along with Sketches and Descriptions were also performed at Dan Calloway Park (Parcel 6) and Barracuda Bay /Fire Station (Parcel 7).	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A				
d.	(1) TITLE AND LOCATION (City and State) City of Miami Miscellaneous Survey Contract, Miami, FL	(2) YEAR COMPLETED					
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Serves as a Project Manager while working on projects for the City. He has managed several Boundary and Topographic Surveys for City projects such as Miami Fire Training Facility, Douglas Park, Stearns and Martell Areas, and Little Haiti Soccer Park.	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A				
e.	(1) TITLE AND LOCATION (City and State) Utility Undergrounding Consultant Services, Sunny Isles, FL	(2) YEAR COMPLETED					
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Krisak serves as Project Manager for Survey Services for the Utility Undergrounding Consultant Services contract with Sunny Isles. Survey services included Design Surveys along Collins Avenue; Design Survey of 80+ FPL proposed easement sites; Preparation of Sketch and Descriptions; Design Surveys of portions of 189th Street, 178th Street, Atlantic Boulevard, Northeast 170th Street; Right-of-Way verification of 186th Street, 185th Street, 183rd Street, Atlantic Boulevard, and 178th Street.	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A				
f.	(1) TITLE AND LOCATION (City and State) STA1 West Expansion Project (SFWMD)	(2) YEAR COMPLETED					
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Krisak serves as Project Manager supervising all survey tasks on this project containing approximately six square miles. Services include horizontal and vertical control verification, topographic surveys, geometric control plan, staking of spreader canals, collection canals, discharge canals, embankments, culverts, boat ramps, spillways, weirs, water control structures and blasting limits. Services also include asbuilts of all constructed improvements and cross sections of canals.	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A				

## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME <b>Hugo Soto, P.E.</b>		13. ROLE IN THIS CONTRACT <b>Geotechnical Engineering and Materials Testing</b>	
		14. YEARS EXPERIENCE	
		a. TOTAL <b>37</b>	b. WITH CURRENT FIRM <b>6</b>
15. FIRM NAME AND LOCATION (City and State) <b>Terracon Consultants, Inc. Miami Lakes, Florida</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>B.S./Civil Engineering M.S./ Geotechnical</b>		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Florida/Professional Engineer</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Affiliations: American Society of Civil Engineers Cuban Society of Engineers</b>			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>I-95 Express Lanes Phase 3B-1 D/B Project, FDOT District 4 Broward and Palm Beach Counties, FL</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
a. Authorized Project Reviewer (APR)/Quality Review. The project extends from South of SW 10 <sup>th</sup> Street to South of Glades Road and includes converting the existing High Occupancy Vehicle (HOV) lanes to High Occupancy Toll (HOT) and widening that will result in two tolled Express Lanes in each direction. The improvements, will result in the roadway widening, two bridge widenings and one bridge replacement, MSE wall and sound barrier wall construction. In addition, there will be miscellaneous cantilever and overhead sign structures. As a member of the D/B team, Terracon is performing soil exploration, geotechnical classification laboratory testing, standard foundation studies. Firm's Fee: \$475,500 estimated			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>I-95 Express Lanes Phase 3A-2 Design/Build (D/B) Project, Florida Department of Transportation (FDOT) District 4 Broward and Palm Beach Counties, FL</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. APR/Quality Review. Phase "3A-2" represents the second of several separate I-95 Express Lanes D/B projects. The project extends from North of Commercial Boulevard to south of SW 10 <sup>th</sup> Street. The project includes converting the existing HOV lanes to HOT lanes and widening that will result in two tolled Express Lanes in each direction. Improvements also include: milling, resurfacing and overbuilding of the I-95 General Use Lanes; roadway widening guardrail; barrier wall; attenuators; shoulder gutters; drainage; 8 bridge widenings; one new pedestrian bridge, temporary and permanent retaining walls; sound barrier walls; sign structures; portable traffic monitoring sites; tolling gantries and associated infrastructure including toll equipment buildings; Intelligent Transportation System (ITS); signing and pavement markings; express lane delineators; signalization; lighting; ramp (metering) signals; utility relocation; landscaping; and any additional items required to provide a complete highway system As a member of the D/B team, Terracon has performed soil exploration, geotechnical classification laboratory testing and standard foundation studies. Terracon is currently providing post design services and Contractor Quality Control (CQC) services. Firm's Fee: \$640,000 estimated			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>I-75 Express Lanes Segment E Broward County, FL</b>		PROFESSIONAL SERVICES <b>2017</b>	CONSTRUCTION (if applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. Principal Engineer/APR/Quality Review. The \$75 million D/B project, known locally as "Segment E", includes construction of four express toll lanes, on a 10-kilometer (6.2-mile) stretch of heavily used highway, installation of systems to manage the flow of traffic on the roads and the connection to the existing traffic control system, and construction access roads to the I-595 reversible express toll lanes to serve traffic between I-595 and I-75. Terracon conducted geotechnical engineering services in a subconsultant capacity. The scope of our work included field exploration, laboratory testing and geotechnical studies. Geotechnical recommendations were furnished for roadway, sign structures, culverts, sound walls, and other project components. Firm's Fee: \$1,300,000 estimated			



## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME <b>Rutugandha "Rutu" Nulkar, P.E.</b>	13. ROLE IN THIS CONTRACT <b>Geotechnical Engineering and Materials Testing</b>	14. YEARS EXPERIENCE a. TOTAL <b>13</b> b. WITH CURRENT FIRM <b>13</b>	
15. FIRM NAME AND LOCATION (City and State) <b>Terracon Consultants, Inc. Fort Lauderdale, Florida</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>B.S./Civil Engineering M.S./Civil Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Florida/ Professional Engineer, Civil Engineering</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Affiliations: American Society of Highway Engineers (ASHE)      Florida Engineering Society (FES) FES/Florida Institute of Consulting Engineers (FICE) Leadership Institute</b>			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) <b>I-95 Express Lanes Phase 3B-1 D/B Project, FDOT District 4 Broward and Palm Beach Counties, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>Ongoing</b> CONSTRUCTION (if applicable) <b>N/A</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>a. Project Manager. The project extends from South of SW 10<sup>th</sup> Street to South of Glades Road and includes converting the existing High Occupancy Vehicle (HOV) lanes to High Occupancy Toll (HOT) and widening that will result in two tolled Express Lanes in each direction. The improvements, will result in the roadway widening, two bridge widenings and one bridge replacement, MSE wall and sound barrier wall construction. In addition, there will be miscellaneous cantilever and overhead sign structures. As a member of the D/B team, Terracon is performing soil exploration, geotechnical classification laboratory testing, standard foundation studies. Firm's Fee: \$475,500 estimated</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) <b>I-95 Express Lanes Phase 3A-2 Design/Build (D/B) Project, Florida Department of Transportation (FDOT) District 4 Broward and Palm Beach Counties, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>Ongoing</b> CONSTRUCTION (if applicable) <b>N/A</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>b. Project Manager. Phase "3A-2" represents the second of several separate I-95 Express Lanes D/B projects. The project extends from North of Commercial Boulevard to south of SW 10<sup>th</sup> Street. The project includes converting the existing HOV lanes to HOT lanes and widening that will result in two tolled Express Lanes in each direction. Improvements also include: milling, resurfacing and overbuilding of the I-95 General Use Lanes; roadway widening guardrail; barrier wall; attenuators; shoulder gutters; drainage; 8 bridge widenings; one new pedestrian bridge, temporary and permanent retaining walls; sound barrier walls; sign structures; portable traffic monitoring sites; tolling gantries and associated infrastructure including toll equipment buildings; Intelligent Transportation System (ITS); signing and pavement markings; express lane delineators; signalization; lighting; ramp (metering) signals; utility relocation; landscaping; and any additional items required to provide a complete highway system. As a member of the D/B team, Terracon has performed soil exploration, geotechnical classification laboratory testing and standard foundation studies. Terracon is currently providing post design services and Contractor Quality Control (CQC) services. Firm's Fee: \$640,000 estimated</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) <b>I-75 Express Lanes Segment E Broward County, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2017</b> CONSTRUCTION (if applicable) <b>N/A</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>c. Project Manager. The \$75 million D/B project, known locally as "Segment E", includes construction of four express toll lanes, on a 10-kilometer (6.2-mile) stretch of heavily used highway, installation of systems to manage the flow of traffic on the roads and the connection to the existing traffic control system, and construction access roads to the I-595 reversible express toll lanes to serve traffic between I-595 and I-75. Terracon conducted geotechnical engineering services in a subconsultant capacity. The scope of our work included field exploration, laboratory testing and geotechnical studies. Geotechnical recommendations were furnished for roadway, sign structures, culverts, sound walls, and other project components. Firm's Fee: \$1,300,000 estimated</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	

## 4.2.3 - Firm Qualifications and Experience


E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME <b>Rodolfo "Rudy" Gonzembach, P.E., S.I.</b>	13. ROLE IN THIS CONTRACT Geotechnical Engineering and Materials Testing	14. YEARS EXPERIENCE a. TOTAL 30      b. WITH CURRENT FIRM 1.5	
15. FIRM NAME AND LOCATION (City and State) <b>Terracon Consultants, Inc.</b> Miami Lakes, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S./Civil Engineering      M.S./Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida/Professional Engineer – Special Inspector	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Certification - Certified Masonry Inspector			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) <b>Large Retail Chain Parking for Multiple Locations Nationwide including Doral, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing      CONSTRUCTION (if applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. Project Manager. The owner is proceeding with pavement repairs including patching and overlays at up to 212 store locations in the United States during the Fiscal Year 2017. Florida locations include Stuart, Kendall, Clearwater, Doral, Oldsmar, Hialeah, and Jacksonville. Terracon is providing construction materials testing and inspection services. Field services include coring, sampling and laboratory testing of asphaltic pavements from each location upon completion of the repairs. Fee - \$22,000 estimated for Florida locations		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) <b>Pump Station 0124 Upgrade Doral FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing      CONSTRUCTION (if applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. Project Manager. Miami-Dade County Water and Sewer Department (WASD) has created the Pump Station Improvement Program (PSIP) to upgrade its Wastewater Collection and Transmission System that includes pump stations, force mains and gravity lines with an investment of \$215 million. Terracon is providing construction materials testing and inspection services for Pump Station 0124 as part of the continuing services contract the firm holds with WASD. The scope of work includes soil/limerock, Proctors, densities, concrete testing, and engineering services. Fee - \$14,344 estimated		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) <b>Administration Building Improvements – Central District Wastewater Treatment Plant (WWTP) Miami-Dade County, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing      CONSTRUCTION (if applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE c. Project Manager. Improvements are being made to the Administration Building at WASD's Central District WWTP. As part of the continuing services contract that the firm holds with Miami-Dade County Water and Sewer Department (WASD), Terracon is providing construction materials testing and inspection services for the project. The scope of work includes soil/limerock, Proctors, densities, concrete testing, masonry, steel, roofing, and engineering services. Fee - \$11,333 estimated		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) <b>Interamerican Campus Building 6 Renovation and New Elevators Miami, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017      CONSTRUCTION (if applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE d. Project Manager/Special Inspector. Terracon performed construction materials testing, laboratory testing, and special inspection services for the site work and building improvements, including elevator shaft construction, at Building 6 from 2016 to 2017. The scope of work included earthwork observation and testing, concrete testing and observation, concrete cylinder and beam testing, field density testing, Windsor probe testing, grout compressive strength testing, concrete compressive strength testing, and fireproofing testing. Fee - \$86,400 (includes Geotechnical Engineering performed in 2016)		<input checked="" type="checkbox"/> Check if project performed with current firm	

## 4.2.3 - Firm Qualifications and Experience


E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT – Geotechnical/Material Testing (Complete one Section E for each key person.)			
12. NAME <b>Caridad Murphy, QCM</b>	13. ROLE IN THIS CONTRACT Geotechnical Engineering and Materials Testing	14. YEARS EXPERIENCE a. TOTAL: 25      b. WITH CURRENT FIRM: 5	
15. FIRM NAME AND LOCATION (City and State) <b>Terracon Consultants, Inc.</b> Fort Lauderdale, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S./Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Certification: FDOT CTQP Quality Control Manager (QCM)			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Florida Department of Transportation (FDOT) Districts 4 and 6 Continuing Services</b>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
a. Project Manager. Supervises laboratory verification testing (VT) on concrete, earthwork and asphalt construction materials according to the applicable Contract Documents and FDOT Standards. Approved all samples in MAC applying corresponding disposition codes, coordinate with construction engineering inspection (CEI) and FDOT representative that all material placed on their projects meet the required standards. Additionally, coordinates all project proposals, billing, client correspondence, deliverables, and data entry. Contracted estimated at \$1.5M			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Dolphin Station Park and Ride Transit Facility, State Road (SR) 836 Modernization Project Miami-Dade County, FL</b>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. Project Manager. MDX is designing and building the Dolphin Station Park and Ride Transit Terminal Facility in partnership with Miami-Dade County Department of Transportation and Public Works (DTPW) and the FDOT, District 6. The transit facility will support Miami-Dade County's SR 836/Dolphin Expressway Express Bus Service, provide a terminus or stop for several local bus routes serving the Dolphin Mall and the Cities of Sweetwater and Doral, as well as serving a potential future east-west commuter rail service on the CSX line. Miami-Dade County asked MDX to fast track the planning, design and construction of the Dolphin Station. Terracon provides quality assurance (QA) and overseeing services for all projects included in the GEC contract.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>I-95 Express Lanes Phase 3B-1 D/B Project, FDOT District 4 Broward and Palm Beach Counties, FL</b>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. Project Manager: The project extends from South of SW 10 <sup>th</sup> Street to South of Glades Road and includes converting the existing HOV lanes to HOT lanes and widening that will result in two tolled Express Lanes in each direction. The improvements, will result in the roadway widening, two bridge widenings and one bridge replacement, MSE wall and sound barrier wall construction. In addition, there will be miscellaneous cantilever and overhead sign structures. Terracon is providing Contractor Quality Control (CQC) services for the Contractor. The scope of work includes soils testing for embankment and walls, concrete testing for drilled shafts and bridge decks, augercast pile testing, and PDA testing. Firm's Fee: \$620,696 estimated			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Golden Glades Multimodal Transportation Facility (GGMTF) Miami-Dade County, FL</b>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. Project Manager. The \$55 million project consists of the design and construction of a new park-and-ride transit facility, referred to as the GGMTF, to be operated and maintained by the Miami-Dade Department of Transportation and Public Works (DTPW). Located in the southwest quadrant of the Golden Glades Interchange in northern Miami-Dade County, the project will include parking spaces, a transit hub, retail space, break lounge, truck parking spaces, maintenance facility, truck wash, bicycle parking and lockers, and an upgraded multi-bay bus terminal facility with sidewalk, walkway, platform, and bus bay improvements. Terracon is a member of the CEI team responsible for providing materials testing services including concrete and soils testing as well as special inspections. Firm's Fee: \$200,000 estimated			



## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Jorge Leon, P.E.	Electrical Engineer	a. TOTAL	b. WITH CURRENT FIRM
		23	4
15. FIRM NAME AND LOCATION (City and State)			
 Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
Bachelor of Science, Civil Engineering		Professional Engineer: Florida	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			
<p>Mr. Leon is a senior electrical engineer with experience in construction engineering and inspection, design, owner representation, plan review, and construction management of transportation-related projects throughout Florida. As the firm's Director of Operations for South Florida, he also has expertise in the fabrication, installation, and repair of electromechanical structures. Mr. Leon has been responsible for design of power distribution systems, lightning protection, instrumentation, and programmable logic controller-based systems, as well as surface design of mountings, conduit and raceway layout, motor-drive systems, remote monitoring, automation, roadway lighting, and traffic control. In addition, he has experience preparing technical specifications and evaluation reports, construction cost estimates, and reviews of shop drawings and permitting processes. Mr. Leon has also provided electrical engineering for commercial, residential, industrial, and educational facilities.</p>			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT District 6 Mechanical and Electrical Inspection of Movable Bridges Miami-Dade County, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		Ongoing	
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM <b>Project Manager/Electrical Engineer</b> - Serving as the project manager for this 2018-2019 FDOT project for mechanical and electrical in-depth and routine inspections of nine bridges in District 6. Mr. Leon is inspecting the components comprising the bridges' electrical systems, including the span motors, drives, MCC, bridge logic control system, control desk, relays, resistor banks, brakes, and other components. He is also responsible for evaluating the bridge mechanical system, including gears measurement, machinery alignment, brakes, and motors mechanical performance evaluation. Mr. Leon wrote the electrical conditioning report and developed the cost estimates to enhance bridge functionality. Fee: \$105,000			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Miami-Dade DTPW Metrorail MEP Inspections Miami, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2016	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM <b>Project Manager/Electrical Engineer</b> - Provided mechanical, electrical, and plumbing (MEP) inspections, as well as fire protection and fire alarm inspections, for 20 Miami-Dade Transit Metrorail stations for the Department of Transportation and Public Works (DTPW). Mr. Leon inspected all stations for building structure compliance with all local codes and the Florida Building Code (FBC). He prepared comprehensive inspection reports and cost estimates as part of the scope of services and submitted a detailed report to the DTPW project manager. Mr. Leon followed up with a meeting to confirm field emergency repairs. Fee: \$80,000			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Miami-Dade County EDP Continuous Professional Services Agreement Miami-Dade County, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		Ongoing	
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM <b>Project Manager/Senior Electrical Engineer</b> - Overseeing various projects for Miami-Dade County through the Equitable Distribution Program (EDP). Task orders have included the Ruben Dario Park Walkway Lighting, Parcel B Park Walkway Lighting, Matheson Hammock Park and Walkway and Parking Lot Lighting, Metro Zoo Park Parking and Walkway Lighting, Sugarwood Park Walkway Lighting, and Internal Services Department Coral Reef Library HVAC Replacement. For one of the task orders, Mr. Leon oversaw the project for the Miami-Dade Aviation Department (MDAD) for the MEP renovation of the Satellite Ramp E USDA space and the MEP renovation of the Opa Locka Airport Security checkpoint area. He also oversaw the MEP services for the Miami-Dade County Transportation Department's Metrorail stations. Mr. Leon has provided project management for other task orders, including electrical engineering planning and design, coordination with the county, photometric calculations to reduce adverse lighting pollution on neighboring wildlife/aquatic habitats, and new utility service points. Fee: \$400,000			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Miami-Dade Aviation Department MIA Central Terminal Ticket Counters G and H Fort Lauderdale, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		Ongoing	
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM <b>Senior Electrical Engineer</b> - Developing mechanical, electrical, and plumbing (MEP) plans, including HVAC and fire protection, for the replacement of the existing ticket counters in concourse G & H at the Miami International Airport (MIA) for the Miami-Dade Aviation Department. Mr. Leon's team was responsible for 100% design for MEP and fire protection system on both. Phase I included preparing MEP and fire protection demolition plans based on existing field conditions and as-built plans. Phase II involves construction administration and is divided into two sub-phases during construction. Fee: \$78,000			

## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
<b>12. NAME</b>	<b>13. ROLE IN THIS CONTRACT</b>	<b>14. YEARS EXPERIENCE</b>	
Nguyen Perez, P.E.	Electrical Engineer	a. TOTAL	b. WITH CURRENT FIRM
		17	4
<b>15. FIRM NAME AND LOCATION (City and State)</b>			
 Miami, FL			
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b>		<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b>	
Bachelor of Science, Electrical Engineering		Professional Engineer: Florida	
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b>			
<p>Mr. Perez is a senior electrical engineer with more than 15 years of construction engineering and mechanical and electrical inspection experience on MEP systems design and construction for transportation, state-of-the-art laboratory, research, and healthcare facilities. His project experience includes mechanical and electrical inspections throughout Florida for FDOT, including Miami-Dade and Monroe counties for the cities of Coral Gables, Hialeah, Homestead, Key West, Miami, and Miami Beach. Mr. Perez is skilled in design integration of new auxiliary drive systems, safety interlocks, and access improvements, as well as electrical repairs to replace motors, brakes, variable speed drives, control system, navigational lights, submarine cables, and lighting.</p>			
<b>19. RELEVANT PROJECTS</b>			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>FDOT District 6 Mechanical and Electrical Inspection of Movable Bridges</b> District 6, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
a.	<b>Electrical Engineer</b> - Providing inspections for 13 bridges as part of a District 6 districtwide bridge mechanical and electrical inspection contract for FDOT. The region is comprised of Miami-Dade and Monroe counties, FL, and includes the cities of Coral Gables, Hialeah, Homestead, Key West, Miami, and Miami Beach. Fee: \$105,000		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami-Dade DTPW Metrorail MEP Inspections</b> Miami, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2016	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
b.	<b>Electrical Engineer</b> - Provided mechanical, electrical, and plumbing (MEP) inspections, as well as fire protection and fire alarm inspections, for 20 Miami-Dade Transit Metrorail stations for the Department of Transportation and Public Works (DTPW). Mr. Perez helped inspect all stations for building structure compliance with all local codes and the Florida Building Code (FBC). He contributed to the preparation of comprehensive inspection reports and cost estimates as part of the scope of services. Fee: \$80,000		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Atlantic County Green Bank Road Bridge Rehabilitation</b> Atlantic County, NJ		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
c.	<b>Assistant Electrical Engineer</b> - Providing the initial bridge inspection assessment and design integration of a new auxiliary drive system, safety interlock, and access improvements for a single-leaf bascule bridge between Atlantic and Burlington counties, NJ. Mr. Perez is assisting with the electrical design effort, as well as coordinating the mechanical design for the 236-foot-long bridge, a rare overhead articulated counterweight bascule structure that provides two travel lanes and two shoulders for vehicular and pedestrian traffic over the Mullica River. Fee: \$181,000		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami-Dade Aviation Department MIA Central Terminal Ticket Counters G and H</b> Fort Lauderdale, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
d.	<b>Electrical Engineer</b> - Developing mechanical, electrical, and plumbing (MEP) plans, including HVAC and fire protection, for the replacement of the existing ticket counters in concourse G & H at the Miami International Airport (MIA) for the Miami-Dade Aviation Department. Mr. Perez was part of a team responsible for 100% design for MEP and fire protection system on both. Phase II involves construction administration and is divided into two sub-phases during construction. Fee: \$78,000		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>NYSDOT Long Island Loop Parkway and Meadowbrook Parkway Bascule Bridges Rehabilitations</b> Long Island, NY		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
e.	<b>Electrical Engineer/Assistant Inspector</b> - Inspecting and providing rehabilitation design for two under-deck, articulated counterweight bascule bridges in Long Island, NY, for the New York State Department of Transportation (NYSDOT). The project will correct functional issues with the movable spans. The scope of electrical repairs involves replacing motors, brakes, variable speed drives, control system, navigational lights, submarine cables, and lighting. The 80-year-old Loop Parkway and Meadowbrook State Parkway bascule bridges are part of a network of roadways connecting mainland Long Island to Jones Beach State Park and Lido Beach, located on barrier islands. Cost: \$20 million		

## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person)			
12. NAME <b>Charles E. Serig, AIA</b>	13. ROLE IN THIS CONTRACT Building Inspector	14. YEARS EXPERIENCE a. TOTAL 32 b. WITH CURRENT FIRM 9	
15. FIRM NAME AND LOCATION (City and State) <b>T.Y. Lin International – Coral Gables, Florida</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelors of Architecture Louisiana State University, 1986		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) AIA, Architect, Florida, No. 14514	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Serig has over 30 years of professional experience as an architect, field representative, construction manager, project design architect, and project manager on diversified building design and construction projects. His professional experience includes airport terminal facilities planning, transit station design, programming, design, construction management, inspection and administration. He has served as Resident Construction Manager and Project Manager on numerous building and site development projects ranging from major cargo facilities, office buildings, training facilities to water and sewer rehabilitation and installation projects.			
19. RELEVANT PROJECTS			
b.	(1) TITLE AND LOCATION (City and State) <b>Running Repair Facility in West Palm Beach FL and Vehicle Maintenance Facility, All Aboard Florida</b> Orlando, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (If applicable) 2017	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Serig provided architectural design for the specifications and technical support for the preparation of design-build bridging documents for the new intercity passenger rail system's West Palm Beach Running Repair Facility (RRF) and the ultimate Vehicle Maintenance Facility (VMF) in Orland		
b.	(1) TITLE AND LOCATION (City and State) <b>Pompano Beach Tri-Rail Station Improvements and Operations Center, South Florida Regional Transportation Authority (SFRTA)</b> Pompano Beach, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable) 2015	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Serig led the CE&I team responsible for the daily observation reporting and coordination for the construction of the SFRTA's new Operations Center. The campus included a new LEED certified Tri-Rail station with crossover pedestrian bridge, a three story 80,000 square foot operations center building and a four story 450+ car parking garage for staff and Tri-Rail patrons.		
c.	(1) TITLE AND LOCATION (City and State) <b>Panama Metro-Line 1</b> Panama, Panama, South America	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (If applicable) 2016	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project architect for the design of 16 above ground stations in association with a 13.7 kilometer metro in Panama.		
d.	(1) TITLE AND LOCATION (City and State) <b>Miami International Airport, North Terminal Development,</b> Miami, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013 CONSTRUCTION (If applicable) 2013	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Serig assisted with the development of 47 international/domestic gates for both narrow-body and wide-body aircraft and a regional commuter facility with 24 RJ and ATR gates. he work consisted of overseeing the field inspector and clerk, providing coordination between contractor and North Terminal project managers, reviewing payment applications, quantities, schedules, change orders, and work orders, and managing day to day construction issues.		
e.	(1) TITLE AND LOCATION (City and State) <b>Cargo Building 22226 (708), Miami-Dade Aviation Department</b> Miami International Airport, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2001 CONSTRUCTION (If applicable) 2002	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm As the field architect for the construction and administration of the 214,000 sf Cargo Building 2226 (708) at Miami International Airport, Mr. Serig was responsible for extensive coordination with four adjacent and ongoing construction projects involving complex levels of scheduling and coordination overlaid with active airline operations.		

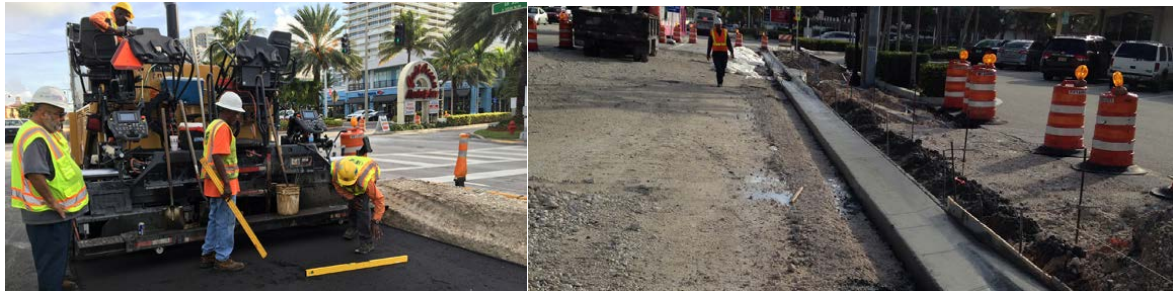
## 4.2.3 - Firm Qualifications and Experience

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person)			
12. NAME <b>Eduardo J. Morales, Jr., PE</b>	13. ROLE IN THIS CONTRACT <b>Sr. Structural Engineer</b>	14. YEARS OF EXPERIENCE a. TOTAL <b>31</b> b. WITH CURRENT FIRM <b>4</b>	
15. FIRM NAME AND LOCATION (City and State) <b>MORALES CONSULTING ENGINEERS, Inc., JACKSONVILLE, FL</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS Civil Engineering, University of Florida, 1986</b>		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>FL – Professional Engineer - Civil</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>SAME, ASCE, ASHE, WTS</b>			
19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Monroe County Owners Representative (Structural Sub to Keith &amp; Schnars) Card Sound Road Design Build</b>	PROFESSIONAL SERVICES <b>2017</b>	CONSTRUCTION (If applicable) <b>2018</b>
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Structural Engineer.</b> As sub-consultant to Keith & Schnars we provided structural design Review, Show Drawing reviews for all structural components of a replacement toll system. Items included toll equipment gantry and elevated mechanical equipment platform.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>FDEP, Cross Florida Barge Canal Locks &amp; Spillways Study and Final Designs, Inglis &amp; Palatka, FL</b>	PROFESSIONAL SERVICES <b>2005</b>	CONSTRUCTION (If applicable)
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager / Project Engineer / CEI Manager</b> on the inspection, alternatives study, and final design of the replacement and modernization of the 84' x 660' Inglis Lock on the Cross-Florida Barge Canal for the Florida DEP. The replacement and design was based on providing a new smaller lock structure to be constructed inside the existing lock. The new 40' x 164' innovative lock will save 90% of the fresh water used for each downstream lockage and will provide all required recreational benefits and protection for endangered manatees. Costs: \$18M		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>FDEP, Cross-Florida Barge Canal Lock Manatee Protection Design, Inglis &amp; Palatka, FL</b>	PROFESSIONAL SERVICES <b>2005</b>	CONSTRUCTION (If applicable) <b>2006</b>
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager / Project Engineer / CEI.</b> Designed & prepared plans, specifications, construction cost estimate & provided construction phase services for new frames and protection gates for the four gate bays at the Spillway. The system also included new access bridges for vegetation removal from the grates. The grating system was designed to be raised and locked into position to permit Manatees to pass under the spillway gates, and also to remove and store the panels on the adjacent piers during storms. The gated spillway is safer for West Indian Manatees common in the canal. Cost: \$500k (fee)		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Jacksonville Shipyards Jacksonville, FL</b>	PROFESSIONAL SERVICES <b>2006</b>	CONSTRUCTION (If applicable) <b>2008</b>
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager / Project Engineer / CEI</b> for the waterfront structural design of 370-million-dollar public-private development located in downtown Jacksonville. Project scope includes replacement of the original Jacksonville Shipyard bulkhead and provisions for the extension of the City of Jacksonville's Riverwalk. Cost \$18M		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>The Florida School For The Deaf and the Blind Bulkhead Replacement Design/Bulkhead Extension, St. Augustine FL</b>	PROFESSIONAL SERVICES <b>2008</b>	CONSTRUCTION (If applicable) <b>2008</b>
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager / Project Engineer / CEI</b> for the design and permitting for the replacement of 270 linear feet of bulkhead. The design provided the best long term solution for shoreline stabilization via the installation of a new bulkhead structure that was properly engineered for the site conditions. The structure was designed to minimize required demolition to the existing bulkhead. After the replacement project was underway, The Florida School for the Deaf and the Blind asked if the remaining 600 feet of shoreline could be permitted and added to the scope of work. Mr. Morales created a design that could have been terminated at any point along the alignment that met the available budget. Cost: \$2M		



## 4.2.3 - Firm Qualifications and Experience

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> <b>SR-A1A from Oakland Park Boulevard to Flamingo Avenue and NE 13th Street from NE 8th Avenue</b> Broward County, FL	<b>22. YEAR COMPLETED</b> <b>PROFESSIONAL SERVICES</b> 2017	<b>CONSTRUCTION</b> <i>(If applicable)</i> N/A
<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b> FDOT District 4	<b>b. POINT OF CONTACT NAME</b> Yveins Jean-Pierre, P.E.	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (954) 940-7611
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS</b>		



SR-A1A is full reconstruction from Oakland Park Boulevard to Flamingo Avenue wholly within the City of Fort Lauderdale. Project includes new sidewalks curb and gutter, median reconstruction and new drainage system and extensive coordination with area businesses and residents. NE 13th Street from NE 8th Avenue to R/R tracks is a repurposing of the existing roadway to provide new bio swales, parking curb and gutter, sidewalk replacement and milling and resurfacing for the City of Fort Lauderdale.

**Fees:** \$1.9M

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	Keith & Schnars	Fort Lauderdale, FL	Prime

## 4.2.3 - Firm Qualifications and Experience

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  <b>2</b>
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> <b>NW 52<sup>nd</sup> Street/NW 102<sup>nd</sup> Avenue</b> Doral, FL	<b>22. YEAR COMPLETED</b> <b>PROFESSIONAL SERVICES</b> 2017	<b>CONSTRUCTION</b> <i>(If applicable)</i> N/A
<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b> City of Doral	<b>b. POINT OF CONTACT NAME</b> Carlos Arroyo, CFM, Assistant Public Works Director/Chief of Construction	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (305) 593-6740

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost.)*


Excavation and installation of new drainage structures, existing tree relocations, new landscaping, replacement of concrete sidewalk, curb and gutter, milling and resurfacing of existing pavement including new bike paths, upgrading of existing signalization and roadway lighting relocations, updating of existing school crossing beacon system at John I Smith K-8 School area on NW 52nd Street and NW 102nd Avenue area.



**Fees:** \$241K

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	Keith & Schnars	Fort Lauderdale, FL	Prime

## 4.2.3 - Firm Qualifications and Experience

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)			20. EXAMPLE PROJECT KEY NUMBER  3
21. TITLE AND LOCATION (City and State) <b>NE 13th Street CEI Services</b> Fort Lauderdale, FL	22. YEAR COMPLETED <b>PROFESSIONAL SERVICES</b> 2017	<b>CONSTRUCTION (If applicable)</b> N/A	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER City of Fort Lauderdale	b. POINT OF CONTACT NAME Christine Fanchi, P.E., PTP, Transportation Project Manager	c. POINT OF CONTACT TELEPHONE NUMBER (954) 828-5226	

### 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS

Reconstruction of NE 13th Street from NE 8th Avenue to FEC R/R. The project includes adding bike lanes, removal of existing traffic signal and construction and new roundabout, bio-swales and new street lighting.



**Fees: \$150K**

### 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Keith & Schnars	Fort Lauderdale, FL	Prime

## 4.2.3 - Firm Qualifications and Experience

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		4
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> <b>Card Sound Road Toll Plaza Replacement Design-Build, On Call Professional Engineering Services</b> Monroe County, FL	<b>22. YEAR COMPLETED</b> <b>PROFESSIONAL SERVICES</b> Ongoing	<b>CONSTRUCTION</b> <i>(If applicable)</i> N/A
<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b> Monroe County Department of Public Works	<b>b. POINT OF CONTACT NAME</b> Clark Briggs, Senior Project Administrator	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (305) 295-4306
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS</b>		



Scope of services include serving as Owner's Representative during the design phase, including processing of Shop Drawings, approval of submittals and review of Contractor's schedule of values. Also, responsible for providing CEI services for the complete demolition of the old toll plaza, reconstruction of new concrete aprons and flexible pavement approaches, drainage, installation of new equipment toll building and gantry for the Sunpass cashless toll system.

**Fees:** \$269K

### 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	Keith & Schnars	Fort Lauderdale, FL	Prime



## 4.2.3 - Firm Qualifications and Experience

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER  <b>5</b>		
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> <b>Seacrest Beautification Phase 1/NE 2nd Avenue from George Bush Boulevard to NE 13th Street</b> Delray Beach, FL	<b>22. YEAR COMPLETED</b> <table border="1"> <tr> <td><b>PROFESSIONAL SERVICES</b> 2017</td> <td><b>CONSTRUCTION</b> <i>(If applicable)</i> N/A</td> </tr> </table>		<b>PROFESSIONAL SERVICES</b> 2017	<b>CONSTRUCTION</b> <i>(If applicable)</i> N/A
<b>PROFESSIONAL SERVICES</b> 2017	<b>CONSTRUCTION</b> <i>(If applicable)</i> N/A			
<b>23. PROJECT OWNER'S INFORMATION</b>				
<b>a. PROJECT OWNER</b> City of Delray Beach	<b>b. POINT OF CONTACT NAME</b> Tracie M. Lutchmansingh, P.E., Professional Engineer III	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (561) 243-7322		
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS</b>				

CEI services for the widening of NE 2<sup>nd</sup> Avenue to add designated green painted bike ways in both directions, repurposing of swales including removal of existing vegetation, milling and resurfacing, new sidewalks and valley gutters, reconstruction of driveways, installation of decorative pavers localized drainage improvements, signage and pavement markings.



**Fees:** \$181,000K

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME Keith & Schnars	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL
		(3) ROLE Prime

## 4.2.3 - Firm Qualifications and Experience

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b> <b>6</b>
<b>21. TITLE AND LOCATION (City and State)</b> <b>Seminole County CEI and General Engineering Services</b> Seminole County, FL		<b>22. YEAR COMPLETED</b> PROFESSIONAL SERVICES Ongoing
<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b> Seminole County	<b>b. POINT OF CONTACT NAME</b> Antoine Khoury, P.E. / Bret Blackadar, P.E	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (407) 665-5768
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)</b>		

### Continuing Professional Services Contract for Public Works Minor Projects

Keith and Schnars has an ongoing continuing engineering services contract and has successfully completed the surveying, geotechnical analysis, construction plan preparation, and **Construction Engineering Inspection** Services for numerous erosion control, sidewalk, and roadway projects in Seminole County. Work orders under this contract include but are not limited to: Roadway reconstruction projects, traffic safety projects, intersection improvements, storm drainage system analysis, bridge replacements, traffic signal design, and traffic calming analysis and design.

Work Orders Completed: Snow Hill Road Bridge Erosion Control, Howell Creek Trestle Erosion Control, Lake Markham Road Sidewalk Design, Lake Howell Road Stormwater Improvements Study, Markham Woods Road Assessment Study and, Concept Plans, Lake Mary Boulevard Left Turn Lane Extensions Design, Lake Howell Road Stormwater Improvements Design and Landscaping, Raymond Avenue Sidewalk Design, and Longwood Hills Road Sidewalk Design.



**Lake Drive Construction** - This project involves widening, and new roadway construction. Work includes utilities, drainage, subgrade, base, curb and gutter, sidewalk, paving, and landscaping. **Project Value: \$19,000,000, Estimated completion February 2008**

**Red Bug Road Widening** - This project includes construction of two new through lanes and intersection upgrading. Work includes utilities, drainage, subgrade, base, curb and gutter, sidewalk, paving, new signalization, landscaping, and streetscape. Project highlights included maintaining traffic without incident in this extremely congested area. **Project Value: \$2,700,000, Completion March 2007**

**Markham Woods Road/Douglas Avenue Realignment** - This project included Stormwater including extensive exfiltration construction, embankment, base, milling, overbuild, paving, gravity wall, signalization, utility relocations, signage, pavement markings, public involvement and MOT on Markham Woods Road.

Mark

**Estimated CEI Fees:** \$1.2 million (Lake Drive)

**CEI Fees:** \$250,000 (Red Bug Road); \$549,000 (Markham Woods Road/Douglas Avenue)

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. Keith & Schnars	Fort Lauderdale, FL	Prime

## 4.2.3 - Firm Qualifications and Experience

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT – Geotechnical/Material Testing</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b> 7				
<b>21. TITLE AND LOCATION (City and State)</b> <b>I-95 Express Lanes Phase 3B-1 D/B Project, FDOT District 4 Broward and Palm Beach Counties, FL</b>		<b>22. YEAR COMPLETED</b> <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (if applicable)</td> </tr> <tr> <td>Ongoing</td> <td>N/A</td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	Ongoing	N/A
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)					
Ongoing	N/A					
<b>23. PROJECT OWNER'S INFORMATION</b>						
<b>a. PROJECT OWNER</b> WSP USA	<b>b. POINT OF CONTACT NAME</b> Yamilia Hernandez	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (305) 514 3154				
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)</b>						

The project extends from South of SW 10<sup>th</sup> Street to South of Glades Road and includes converting the existing High Occupancy Vehicle (HOV) lanes to High Occupancy Toll (HOT) and widening that will result in two tolled Express Lanes in each direction. The improvements, will result in the roadway widening, two bridge widenings and one bridge replacement, MSE wall and sound barrier wall construction. In addition, there will be miscellaneous cantilever and overhead sign structures. As a member of the D/B team, Terracon is performing soil exploration, geotechnical classification laboratory testing, standard foundation studies.

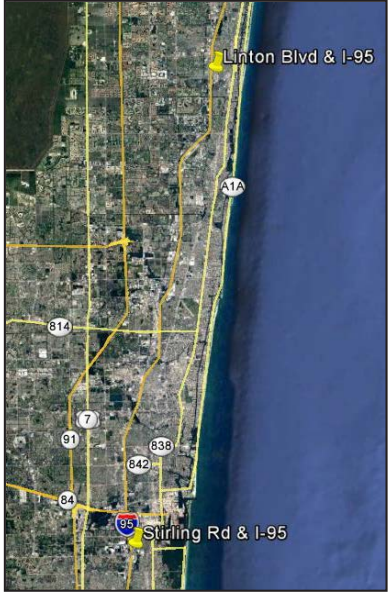
Firm's Fee: \$475,500 estimated

Terracon is also providing Contractor Quality Control (CQC) services for the Contractor. The scope of work includes soils testing for embankment and walls, concrete testing for drilled shafts and bridge decks, augercast pile testing, and PDA testing.

Firm's Fee: \$620,696 estimated


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Miami Lakes, Florida	(3) ROLE Subconsultant
b.	(1) FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Fort Lauderdale, Florida	(3) ROLE Subconsultant
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

## 4.2.3 - Firm Qualifications and Experience


F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT – Geotechnical/Material Testing (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		8
21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED	
I-95 Express Lanes Phase 3A-2 D/B Project, FDOT District 4 Broward and Palm Beach Counties, FL	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	Ongoing	N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
WSP USA	Yamilia Hernandez	(305) 514 3154
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		
	<p>Phase "3A-2" represents the second of several separate I-95 Express Lanes D/B projects. The project extends from North of Commercial Boulevard to south of SW 10<sup>th</sup> Street. The project includes converting the existing HOV lanes to HOT lanes and widening that will result in two tolled Express Lanes in each direction. Improvements also include: milling, resurfacing and overbuilding of the I-95 General Use Lanes; roadway widening guardrail; barrier wall; attenuators; shoulder gutters; drainage; 8 bridge widenings; one new pedestrian bridge, temporary and permanent retaining walls; sound barrier walls; sign structures; portable traffic monitoring sites; tolling gantries and associated infrastructure including toll equipment buildings; Intelligent Transportation System (ITS); signing and pavement markings; express lane delineators; signalization; lighting; ramp (metering) signals; utility relocation; landscaping; and any additional items required to provide a complete highway system. As a member of the D/B team, Terracon has performed soil exploration, geotechnical classification laboratory testing and standard foundation studies. Terracon is currently providing post design services and Contractor Quality Control (CQC) services.</p> <p>Firm's Fee: \$640,000 estimated</p>	
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1). FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Miami Lakes, Florida
		(3) ROLE Subconsultant
b.	(1). FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Fort Lauderdale, Florida
		(3) ROLE Subconsultant
c.	(1). FIRM NAME	(2) FIRM LOCATION (City and State)
		(3) ROLE
d.	(1). FIRM NAME	(2) FIRM LOCATION (City and State)
		(3) ROLE
e.	(1). FIRM NAME	(2) FIRM LOCATION (City and State)
		(3) ROLE
f.	(1). FIRM NAME	(2) FIRM LOCATION (City and State)
		(3) ROLE




## 4.2.3 - Firm Qualifications and Experience

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT – Geotechnical/Material Testing (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)			20. EXAMPLE PROJECT KEY NUMBER
			9
21. TITLE AND LOCATION (City and State) <b>FDOT Materials Testing Continuing Services Contract Districts 4 and 6, Various Locations in Florida</b>		22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (if applicable) N/A	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER FDOT	b. POINT OF CONTACT NAME Ronald Arcalas, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER (954) 677-7035	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			
<p>Terracon was awarded a five-year on-call contract to provide construction materials verification material testing and quality assurance material testing (QAMT) services for FDOT Districts 4 and 6 (D4/6) on various projects. Terracon provides field and laboratory testing services for concrete, soils, and asphalt.</p>			
<p>These services are performed utilizing FDOT-qualified technicians and an approved laboratory. Test Standards: FDOT, ASTM, AASHTO, FM. Terracon provides services on a task order basis. The budget for the tasks is managed and monitored closely in our Terracon system to ensure that each task is completed within provided funds. Asphalt testing services are generally on an on-call basis, and budgets for these tasks have to be monitored closely.</p> <p>FDOT requires multiple personnel for asphalt verification and independent verification services. Due to our multiple offices and the largest fleet of asphalt technicians in South Florida, we are able to provide the required personnel, even on a short notice. This assures the construction activities do not have to be delayed, canceled, or rescheduled.</p> <p>Terracon has a long-term relationship with the FDOT Materials Office. Terracon has held several similar contracts with FDOT Districts 4 and 6 since 2005. Our reselection on these contracts speaks about our commitment and performance to provide these services to our client.</p> <p>Contract Amount: \$1,500,000 estimated</p>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Miami Lakes, Florida	(3) ROLE Prime Consultant
b.	(1) FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Fort Lauderdale, Florida	(3) ROLE Prime Consultant
c.	(1) FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) West Palm Beach, Florida	(3) ROLE Prime Consultant
d.	(1) FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Port St. Lucie, Florida	(3) ROLE Prime Consultant
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

## 4.2.3 - Firm Qualifications and Experience

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT – Geotechnical/Material Testing (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		10
21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED
Interstate 75 (I-75) Broward County, FL		PROFESSIONAL SERVICES 2017
		CONSTRUCTION (if applicable) N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
WSP USA	Yamilia Hernandez	(305) 514 3154
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		
<p>At one point, the north/south corridor of Interstate 75 (I-75) in Florida's Broward and Miami-Dade counties was a road with relatively light traffic allowing motorists to cruise along at highway speeds most of the time. This changed after Hurricane Andrew blew through in 1992. Andrew leveled thousands of homes and businesses, causing a mass migration to the newer, available homes along the I-75 corridor. With this shift, new traffic patterns developed along I-75 and other major roadways, creating significant areas of congestion in some cases. The Florida Department of Transportation (FDOT) responded to the challenges with plans to alleviate traffic congestion and improve connectivity. The plans included additional lanes and enhancements to existing roadways and reversible, dedicated open-road toll lanes. Early in 2014, construction began on the \$485 million road project, which was scheduled in four segments.</p> <p>Having provided geotechnical and materials testing services for a number of South Florida projects, Terracon served as an instrumental part of the Segment E improvements. As with most area projects, the geotechnical design was complicated by existing marshy terrain and unknown subsurface conditions. Terracon's subsurface exploration team worked quickly to collect all the necessary data from the field, enabling our geotechnical engineers to collaborate with the project's lead designer, WSP USA, to understand the conditions.</p> <p>In order to test and confirm pile depths and capacities, Terracon's pile-driving analyzer and operating engineers were deployed together during construction to work with the team. This data gathering phase was complicated by the need to keep traffic moving. Key challenges for the maintenance of traffic included reducing traffic shifts, limiting lane closures, and reducing weaving and merging. As the project progressed into construction, Terracon went on to perform all the contractor quality control (CQC) testing of the materials on behalf of Dragados USA (DUSA), the design-build contractor. CQC services included laboratory testing of soils and concrete, and other key components including bridge inspection, to ensure contractor compliance with FDOT plans and specifications.</p> <p>In addition to working closely with WSP USA and DUSA, the Terracon team needed to coordinate with the construction engineering consultant firm (CEI), Target Engineering, and FDOT. Tasks included communication about data, scheduling, testing, and reporting results. A unique challenge for data reporting on this project was moving data entry from the Laboratory Information Management System to the Materials Acceptance Certification system at the midpoint of the project.</p> <p>Terracon provided reliable data using properly trained, certified, and experienced staff to confirm the integrity of the materials used met the project specifications. The Terracon team included technicians who had completed FDOT's Construction Training Qualification Program (CTQP). They observed and tested more than 600,000 cubic yards of excavation and embankment material; 700,000 square yards of base material; more than 35,000 tons of asphalt materials; and more than 50,000 cubic yards of concrete. With the project nearing completion and soon to be fully open to traffic, South Florida residents and commuters will greatly benefit from these unique, reversible toll lanes. The project provided an opportunity for Terracon to further demonstrate our transportation support capabilities and capacity utilizing multiple team members from three of our nearby offices. As a go-to consultant for critical transportation projects like I-75, Segment E, Terracon is committed to the transportation industry and proud to help our design and construction clients solve challenging issues through creative solutions. Fee - \$1,300,000 estimated</p>		
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Miami Lakes, Florida
		(3) ROLE Subconsultant
b.	(1) FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Fort Lauderdale, Florida
		(3) ROLE Subconsultant
c.	(1) FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) West Palm Beach, Florida
		(3) ROLE Subconsultant

## 4.2.3 - Firm Qualifications and Experience

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT – Geotechnical/Material Testing (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		11
21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED	
Florida's Turnpike Materials and Lab Testing Continuing Contract Various Locations Statewide	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	2015	N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Florida Turnpike Enterprise/Parsons Brinckerhoff (now WSP USA)	Jeffrey Fetzko, P.E.	(954) 677-7031
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		
<p>Terracon has been one of the Florida Turnpike's primary geotechnical consultants since the early 1990's. This continuing services contract consisted of geotechnical and construction materials services provided for toll and service plazas, new interchanges, and various miscellaneous structures (i.e. mast arms, signs, lights, etc.). Provided dynamic testing and analyses of driven piles (PDA) for bridge construction projects.. The scope included the date for asphalt cores for pavement evaluations, seismographic services, vibration monitoring, and cross-hole sonic logging (CSL), pavement evaluation. Also provided earthwork, concrete, and laboratory services and welding-non-destructive testing (NDT) services.</p>  <p>Critical issues for the Turnpike included obtaining asphalt core data for pavement evaluations in a safe yet efficient manner, timeliness of asphalt plant verification testing, and timely response to emergency situations (i.e. sinkholes/depressions). The Terracon team proved our ability to successfully handle critical issues such as these by communicating quickly, effectively, and utilizing technology available to us such as LIMS, smartphones, and photography.</p> <p>Our team included 60 asphalt-certified inspectors and technicians throughout the Turnpike District. Our inspectors/technicians are capable of performing independent verification (IV) or verification testing (VT) inspection services, and hold certifications in asphalt plant levels 1 and 2 and paving 1 and 2; therefore, we were able to respond to any asphalt inspection needs on a quick-</p> <p>Projects included, but are not limited to: Fort Drum and Fort Pierce Service Plazas, Phase 5B Sawgrass Expressway, HEFT over C-1N Canal Bridge, Okeechobee Toll Plaza Express Lanes, median coring at various locations, Jog Interchange/Tolls, Sawgrass widening - Coral Ridge to the Turnpike, Turnpike widening - Sunrise to Atlantic, Tolls Test Track - drilled shaft Inspection, Sawgrass mill and resurfacing (M&amp;R), and mast arm at Quail Roost Drive.</p> <p>Firm's Fee: \$3,800,000 estimated</p>		
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1). FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Miami Lakes, Florida	(3) ROLE Subconsultant
b. (1). FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Fort Lauderdale, Florida	(3) ROLE Subconsultant
c. (1). FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) West Palm Beach, Florida	(3) ROLE Subconsultant
d. (1). FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Port St. Lucie, Florida	(3) ROLE Subconsultant
e. (1). FIRM NAME <b>Terracon Consultants, Inc.</b>	(2) FIRM LOCATION (City and State) Winter Park, Florida	(3) ROLE Subconsultant

## 4.2.3 - Firm Qualifications and Experience

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  12
<b>21. TITLE AND LOCATION (City and State)</b>  <b>Miami-Dade DTPW Metrorail MEP Inspections</b> Miami, FL	<b>22. YEAR COMPLETED</b>  PROFESSIONAL SERVICES 2016 CONSTRUCTION (If applicable)	
<b>23. PROJECT OWNER'S INFORMATION</b>		
a. PROJECT OWNER  Department of Transportation and Public Works	b. POINT OF CONTACT NAME  Monica Mandri	c. POINT OF CONTACT TELEPHONE NUMBER  (305) 251-7923
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost).</b>		

STV provided mechanical, electrical, and plumbing (MEP) inspections, as well as fire protection and fire alarm inspections, for 20 Miami-Dade Transit Metrorail stations for the Department of Transportation and Public Works (DTPW). The firm inspected all stations for building structure compliance with all local codes and the Florida Building Code (FBC). STV prepared comprehensive inspection reports and cost estimates as part of the scope of services and submitted a detailed report to the DTPW project manager. The firm followed up with a meeting to confirm field emergency repairs.

STV fee: \$80,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
	STV	Jacksonville, FL and Miami, FL
		(3) ROLE
		Subconsultant



## 4.2.3 - Firm Qualifications and Experience

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  13
<b>21. TITLE AND LOCATION (City and State)</b>  <b>FDOT District 6 Mechanical and Electrical Inspection of Movable Bridges</b> Miami-Dade County, FL	<b>22. YEAR COMPLETED</b>  PROFESSIONAL SERVICES Ongoing	
<b>23. PROJECT OWNER'S INFORMATION</b>		
a. PROJECT OWNER  Florida Department of Transportation, District 6	b. POINT OF CONTACT NAME  Ricardo Lopez	c. POINT OF CONTACT TELEPHONE NUMBER  (305) 470-5251
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost).</b>		

STV is responsible for providing the 2018 - 2019 mechanical and electrical in-depth and routine inspections of nine local government bridge biennial mechanical and electrical (M&E) inspection and recommendation reports for county and town-owned movable bridges in Miami-Dade County for FDOT District 6.

The inspection services includes the Bay Harbor Bascule Bridge, which involves evaluating the bridge's power distribution system, span motors, drives, MCC, bridge logic control system, control desk, relays, resistor banks, and brakes. The firm is also responsible for evaluating the bridge's mechanical system, including gears measurement, machinery alignment, brakes and motors mechanical performance evaluation, and other evaluation tasks. The project includes an electrical conditioning report and cost estimate to enhance bridge functionality.

Fee: \$105,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. STV	Jacksonville, FL, Miami, FL, New York, NY, and Boston, MA	Subconsultant

## 4.2.3 - Firm Qualifications and Experience

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  14
<b>21. TITLE AND LOCATION (City and State)</b>  <b>FDOT Movable Bridge Inspection; Monroe County, FL</b>	<b>22. YEAR COMPLETED</b>  PROFESSIONAL SERVICES Ongoing	
<b>23. PROJECT OWNER'S INFORMATION</b>		
a. PROJECT OWNER Florida Department of Transportation	b. POINT OF CONTACT NAME Pedro Nuñez	c. POINT OF CONTACT TELEPHONE NUMBER (305) 470-5436
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost).</b>		

STV is providing routine mechanical and electrical inspections of bridge electrical systems for 13 bridges in District 6 of the Florida Department of Transportation (FDOT). The firm is performing hands-on inspections of components, including the span motors, drives, motor control centers, bridge logic control systems, control desks, relays, resistor banks, brakes, wedges, and rail interlocking systems. STV is also writing electrical condition reports, estimating costs to enhance bridge functionality, and making recommendations for maintenance and repair that are input into PONTIS software and presented to FDOT. Inspections include the Sunny Isles Bridge that carries SR 826 (Sunny Isles Boulevard) over the Intracoastal Waterway in Miami-Dade County. The region also includes Monroe County and the cities of Coral Gables, Hialeah, Homestead, Key West, Miami, and Miami Beach.

Fee: \$224,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME STV	(2) FIRM LOCATION (City and State) Jacksonville, FL	(3) ROLE Subconsultant

## 4.2.3 - Firm Qualifications and Experience

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  15
<b>21. TITLE AND LOCATION (City and State)</b>  <b>Miami-Dade Aviation Department MIA Central Terminal Ticket Counters G and H; Miami, FL</b>	<b>22. YEAR COMPLETED</b>  PROFESSIONAL SERVICES Ongoing	
<b>23. PROJECT OWNER'S INFORMATION</b>		
a. PROJECT OWNER Miami-Dade Aviation Department	b. POINT OF CONTACT NAME Rebecca Figueroa	c. POINT OF CONTACT TELEPHONE NUMBER (305) 251-7923
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost).</b>		

STV is developing mechanical, electrical, and plumbing (MEP) plans, including HVAC and fire protection, for a replacement of the existing ticket counters in concourse G & H at the Miami International Airport (MIA) for the Miami-Dade Aviation Department. The firm was responsible for 100% design for MEP and fire protection system on both. Phase I included preparing MEP and fire protection demolition plans based on existing field conditions and as-built plans. Phase II involves construction administration and is divided into two sub-phases during construction. Construction services for Concourse H are complete and Concourse G is at 90% completion.

Fee: \$78,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME STV	(2) FIRM LOCATION (City and State) Miami, FL and Jacksonville, FL	(3) ROLE Subconsultant

## 4.2.3 - Firm Qualifications and Experience

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  16
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i>  <b>Miami-Dade County EDP Continuous Professional Services Agreement</b> Miami-Dade County, FL	<b>22. YEAR COMPLETED</b>  PROFESSIONAL SERVICES Ongoing	
<b>23. PROJECT OWNER'S INFORMATION</b>		
a. PROJECT OWNER  Miami-Dade County	b. POINT OF CONTACT NAME  Marlin Brinson, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER  (305) 755-7836
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT</b> <i>(Include scope, size, and cost).</i>		

Since 2015, STV has provided architectural and engineering services to Miami-Dade County through the Equitable Distribution Program (EDP). The EDP establishes a pool of qualified local architectural, engineering, and landscape architectural firms which provides a process to equitably distribute smaller counties' capital improvements projects. The EDP project thresholds are for projects with an estimated construction cost of less than \$2 million and up to \$400,000 in professional fees.

STV's task orders have included:

**Miami-Dade Parks, Recreation Ruben Dario Park Walkway Lighting** — STV is responsible for the development of the park walkway lighting components and utility coordination for this 1-mile reconstruction project in Ruben Dario Park in Miami-Dade County. The project provides new LED lighting throughout the park walkway areas so that no lighting pollution is reflected to the local residential areas. STV employed AGI-32 and visual lighting software for the photometric calculation. STV also performed drainage design services.



**Miami-Dade Parks & Recreation Parcel B Park Walkway Lighting** — Responsible for the development of the park walkway lighting components and utility coordination for this site reconstruction project in Downtown Miami, adjacent to the American Airlines Arena. Coordination was required with the City of Miami to select materials and provide a design which matches the adjacent parcel. The project provides new LED lighting throughout the park walkway areas so that no lighting pollution is reflected to the local residential areas. STV employed AGI-32 and visual lighting software for the photometric calculation. A new utility service point was obtained through Florida Power & Light.

**Miami-Dade Parks & Recreation Matheson Hammock Park and Walkway and Parking Lot Lighting** — Responsible for the development of the roadway, parking lot, and walkway lighting components for this site reconstruction project in Miami-Dade County. The project provides new LED lighting throughout the park, including the marina parking lot, roadway, and walkway to the Red Fish Grill. STV employed AGI-32 and visual lighting software for the photometric calculation to provide a design which meets the scope requirement and does not reflect adverse lighting pollution on neighboring wildlife/aquatic habitats. STV is also responsible for utility coordination, including a new utility service point.

**Miami Dade County Internal Services Department Coral Reef Library HVAC Replacement** — Responsible for replacing the HVAC system for the Coral Reef Library.

Fee: \$181,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. STV	Miami and Jacksonville, FL, New York, NY and Boston, MA	Prime



## 4.2.3 - Firm Qualifications and Experience

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER  <b>17</b>			
21. TITLE AND LOCATION <i>(City and State)</i>  <b>Pompano Beach Tri-Rail Station Improvements and Operations Center, South Florida Regional Transportation Authority (SFRTA)</b>  <b>Pompano Beach, Florida</b>	22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2018</td> <td>CONSTRUCTION <i>(If applicable)</i> 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2018	
PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2018				
23. PROJECT OWNER'S INFORMATION <table border="1"> <tr> <td>           a. PROJECT OWNER            SFRTA            800 NW 33rd Street            Pompano Beach, FL 33064         </td> <td>           b. POINT OF CONTACT NAME            Brandy I. Creed, P.E., D. WRE            Director of Engineering &amp; Construction         </td> <td>           c. POINT OF CONTACT TELEPHONE NUMBER            954-788-7927         </td> </tr> </table>			a. PROJECT OWNER SFRTA 800 NW 33rd Street Pompano Beach, FL 33064	b. POINT OF CONTACT NAME Brandy I. Creed, P.E., D. WRE Director of Engineering & Construction	c. POINT OF CONTACT TELEPHONE NUMBER 954-788-7927
a. PROJECT OWNER SFRTA 800 NW 33rd Street Pompano Beach, FL 33064	b. POINT OF CONTACT NAME Brandy I. Creed, P.E., D. WRE Director of Engineering & Construction	c. POINT OF CONTACT TELEPHONE NUMBER 954-788-7927			

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The firm was responsible for the Construction Engineering and Inspection services for the construction of the SFRTA's new Operations Center. The campus includes constructing a new LEED certified Tri-Rail station with crossover pedestrian bridge, a three story 80,000 square foot operations center building and a four story 450+ car parking garage for staff and Tri-Rail patrons. The Station will be 100% powered by an array of photo voltaic cells configured as parking canopy on top of the parking garage. All three structures are constructed from architectural and structural precast panels and the Operations building and Garage are supported by 70 deep auger cast piles. The station facility is phased to maintain daily rail operations with no interruption to the current passenger schedules.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	T-Y-LIN International	Coral Gables, FL	Prime Consultant

## 4.2.3 - Firm Qualifications and Experience

KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS															
26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below, before completing table. Place "X" under project key number for project participation same or similar role.)													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Mark J. Moshier, P.E.	Principal-In-Charge		X	X	X	X	X								
Joe L. Gómez, P.E.	QA/QC		X	X	X	X	X								
Jorge A. Ortiz, P.E.	Senior Project Engineer	X		X											
Ramon Llana, E.I.	Contract Support Specialist			X	X										
Roland Barros, CGC	Project Administrator	X		X		X									
Jeffrey Carpenter, P.E.	Constructability Review						X								
Paul DiPaola	Senior Roadway Inspector	X			X										
Hector R. Laguna	Inspector	X	X	X		X									
Robert Krisak, P.L.S.	Surveying/GIS/SUE														
Hugo Soto, P.E.	Geotechnical Engineering and Materials Testing							X	X	X	X	X			
Rutu Nulkar, P.E.	Geotechnical Engineering and Materials Testing							X	X	X	X	X			
Rudy Gonzembach, P.E., S.I.	Geotechnical Engineering and Materials Testing														
Caridad Murphy, QCM	Geotechnical Engineering and Materials Testing							X	X	X	X	X			
Jorge Leon, P.E.	Electrical Engineer												X	X	X
Nguyen Perez, P.E.	Electrical Engineer												X	X	
Eduardo Morales, Jr., P.E., P.M.P.	Structural Engineer														
Charles E. Serig, AIA	Building Inspector														

29. EXAMPLE PROJECT KEY			
No.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	No.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1.	SR-A1A from Oakland Park Boulevard to Flamingo Avenue and NE 13th Street from NE 8th Avenue	8.	I-95 Express Lanes Phase 3A-2 D/B Project, FDOT District 4
2.	NW 52nd Street/NW 102nd Avenue	9.	FDOT Materials Testing Continuing Services Contract
3.	NE 13th Street CEI Services	10.	Interstate 75 (I-75)
4.	Card Sound Road Toll Plaza Replacement Design-Build, On Call Professional Engineering Services	11.	Florida's Turnpike Materials and Lab Testing Continuing Contract
5.	Seacrest Beautification Phase 1/NE 2nd Avenue from George Bush Boulevard to NE 13th Street	12.	Miami-Dade DTPW Metrorail MEP Inspections
6.	Seminole County CEI and General Engineering Services	13.	FDOT District 6 Mechanical and Electrical Inspection of Movable Bridges
7.	I-95 Express Lanes Phase 3B-1 D/B Project, FDOT District 4	14.	FDOT Movable Bridge Inspection

CAM #18-1170  
Exhibit 7  
page 44  
45 of 81

## 4.2.3 - Firm Qualifications and Experience

### H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

#### Green and Conservation Practices

Sustainable Design is an integral element in modern engineering design and planning. The major components of sustainable design involving site related activities include stormwater design (water quality and quantity control), site selection, ensuring various modes of alternative transportation, site development, and heat island effect (the temperatures in urban areas are greater than those in the surrounding areas).

There are several strategies that facilitate sustainable design. Those strategies include planting trees to shade buildings from the sun or protect them from wind and the weathering process, and using local materials, native planting, xeriscape techniques, reclaimed stormwater water, pollution abatement methods, and on-site composting and chipping materials to reduce [green waste](#) hauling.

The implementation of sustainable design requires regular and harmonious interaction between the design team, the architects, the engineers, and the client, regarding site selection, scheme formation, material selection, and procurement/project implementation.

In this regard, K&S is at the forefront of LEED design certification and any proposed infrastructure improvements will be environmentally responsible. We have implemented sustainable practices into all our designs. As an example, we have incorporated over \$15 million worth of sustainable designs into our projects in the past 8 years alone. The focus of these designs has included minimizing environmental impacts, creating "Green Spaces," reducing maintenance intervals, and using local resources. In furtherance of these goals, our design professionals will interview maintenance personnel and staff to comprehend their overall maintenance capabilities, in addition to their preferred equipment and operational requirements. This process helps ensure that any proposed infrastructure improvements function in a sustainable manner. It is also reflected in the subsequent design and selection of materials.

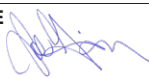
A primary component of creating sustainable "Green Spaces" is the use of native plant species. The beauty of native landscape architecture goes beyond its appearances because it contributes to the restoration of our ecosystems and promotes biodiversity. Furthermore, the use of native tree species can provide refuge for people and enhance overall outdoor environmental quality.

In addition to the green practices and procedures we incorporate into our design and planning work, we have also incorporated a number of green practices and policies into the everyday functioning of our firm. For instance, our corporate office is a Certified Naturescape Property. We also make extensive use of recycle bins and recycled Paper stock. Additionally, when eliciting reviews of our work products, we convert those products to PDF, thereby significantly reducing the firm's overall paper needs. We also deliver all of our plan sets to the FDOT electronically. Finally, we participate annually in Broward County's Water Matters Day and the Arbor Day "Plant a Tree" educational program.

### I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE



April 30, 2018

33. NAME AND TITLE

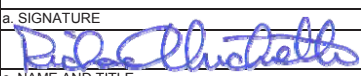
Joe L. Gómez, P.E., Senior Vice President of Engineering



## 4.2.3 - Firm Qualifications and Experience

<b>ARCHITECT – ENGINEER QUALIFICATIONS</b>				1. SOLICITATION NUMBER (If any) RFQ # 12135-986		
<b>PART II – GENERAL QUALIFICATIONS</b> <i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>						
2a. FIRM (OR BRANCH OFFICE) NAME 				3. YEAR ESTABLISHED 1972	4. DUNS NUMBER 072227762	
2b. STREET 6500 North Andrews Avenue				5. OWNERSHIP a. TYPE Corporation		
2c. CITY Fort Lauderdale	2d. STATE FL	2e. ZIP CODE 33309		b. SMALL BUSINESS STATUS N/A		
6a. POINT OF CONTACT NAME AND TITLE Joe L. Gómez, P.E., Senior Vice President of Engineering				7. NAME OF FIRM (If block 2a is a branch office) N/A		
6b. TELEPHONE NUMBER (954) 776-1616		6c. E-MAIL ADDRESS jgomez@ksfla.com				
8a. FORMER FIRM NAME(S) (If any)				8b. YR ESTABLISHED	8c. DUNS NUMBER 072227762	
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	27		B02	Bridges	4
06	Biologist	4		C15	Construction Management	6
07	CADD Technician	3		C16	Construction Surveying	5
12	Civil Engineer	5		E01	Ecological Surveys	3
15	Construction Inspector	15		E09	Environmental Impact Studies Assessments	3
24	Environmental Scientist	4		E11	Environmental Planning	2
30	Geologist	0		G06	Graphic Design	1
38	Land Surveyor	10		H07	Highways, Streets	5
39	Landscape Architect	7		L02	Land Surveying	5
47	Planner: Urban/Regional	3		L03	Landscape Architecture	5
57	Structural Engineer	5		P05	Planning - Community	3
60	Transportation Engineer	7		P06	Planning -Site	2
62	Water Resources Engineer	2		T03	Traffic & Transportation Engineering	4
	Attorney	1		T05	Topographic Surveying & Mapping	5
	Construction Engineer	7		W02	Water Resources	4
	Engineering Technician	8		W03	Water Supply – Treatment & Distribution	3
	Marketing, Graphics Public Involvement	4			Civil Engineering General Services	3
	MIS Managers/Support	2			Public Involvement & Outreach Services	1
	Planners: Transportation	6				
<b>Total</b>		120				
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)				PROFESSIONAL SERVICES REVENUE INDEX NUMBER		
a. Federal Work	1	1. Less than \$100,000 2. \$100,000 to less than \$250,000 3. \$250,000 to less than \$500,000 4. \$500,000 to less than \$1 million 5. \$1 million to less than \$2 million		6. \$2 million to less than \$5 million 7. \$5 million to less than \$10 million 8. \$10 million to less than \$25 million 9. \$25 million to less than \$50 million 10. \$50 million or greater		
b. Non-Federal Work	8					
c. Total Work	9					
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.						
a. SIGNATURE 				b. DATE April 30, 2018		

## 4.2.3 - Firm Qualifications and Experience

<b>Architect-Engineer Qualifications</b>				1. SOLICITATION NUMBER (if any)	
<b>PART II – GENERAL QUALIFICATIONS</b>					
<i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>					
2a. FIRM (OR BRANCH OFFICE) NAME Terracon Consultants, Inc.			3. YEAR ESTABLISHED 2005		4. UNIQUE ENTITY IDENTIFIER 607266629
2b. STREET 5371 NW 33rd Avenue, Suite 201			5. OWNERSHIP		
2c. CITY Fort Lauderdale			a. TYPE Corporation		
2d. STATE Florida		2e. ZIP CODE 33309		b. SMALL BUSINESS STATUS N/A	
6a. POINT OF CONTACT NAME AND TITLE Richard A. Minichiello, Vice President/Principal, Regional Manager			7. NAME OF FIRM (If block 2a is a branch office) Terracon Consultants, Inc.		
6b. TELEPHONE NUMBER 954-741-8282		6c. E-MAIL ADDRESS <a href="mailto:Rich.Minichiello@terracon.com">Rich.Minichiello@terracon.com</a>		(Est. 1965; DUNS No. 613569961)	
8a. FORMER FIRM NAME(S) (if any) None			8b. YEAR ESTABLISHED		8c. UNIQUE ENTITY IDENTIFIER
9. EMPLOYEES BY DISCIPLINE			10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH	a. Profile Code	b. Experience	c. Revenue Index Number (see below)
02	Administrative	449	2	A06	Airports
05	Archaeologist	6		B02	Bridges
06	Architect	19		C06	Churches
07	Biologist	15		C10	Commercial Building Retail (Low Rise)
08	CADD Technician	45		D01,D02	Dams, Dikes, Levees
12	Civil Engineer	54		E02	Educational; Classrooms
14	Computer Programmer	61		E07	Energy Conservation; Renewable Energy
15	Construction Inspector	222		E09	EIS; Assessments
23	Environmental Engineer	89		E12,H003	Env. Remediation, HTRW
24	Environmental Scientist	324	2	G04	Geographic Information System
26	Forensic (Building Diagnostic) Engineer	32	1	H07	Highways; Streets; Parking
27/55	Foundation/Geotechnical/Soils Engineer	381	3	H09	Medical Facilities
29	Geographic Info. Systems	8		H10	Hotels; Motels
30	Geologist	168		H11	Multi-Family Housing
36	Industrial Hygienist & Safety Specialists	93		I01,W01	Industrial; Manufacturing; Warehouse & Depots
40	Construction Materials/ Pavement Engineer	106		O01	Office Buildings
48	Project Manager	364	2	P04	Pipelines
58	Technician (Field & Testing Lab)	1284	10	P12	Power Gen, Transmission, Distribution
	Driller (Geotechnical)	175		R03	Railroad; Rapid Transit
	Building Enclosure/Roofing Consultants/Building	45		R12	Roofing
	Structural Steel Inspector	65		S03	Seismic Designs and Studies
	Petrographer	2		S05	Soils/Geologic Studies; Foundations
	Certified Commercial Diver	5		S07	Solid Waste Facilities
	Other Employees	114		S13	Storm Water
	Geophysicist	11		T02	Testing and Inspection Services
				W02	Water Resources; Hydrology; Groundwater
	<b>Total</b>	4137	20	W03	Water Supply, Treatment; Distribution
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	8	1. Less than \$100,000		6. \$2 million to less than \$5 million	
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million	
c. Total Work	10	3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million	
		4. \$500,000 to less than \$1 million		9. \$25 million to \$50 million	
		5. \$1 million to less than \$2 million		10. \$50 million or greater	
12. AUTHORIZED REPRESENTATIVE					
The foregoing is a statement of facts.					
a. SIGNATURE 			b. DATE April 30, 2018		
c. NAME AND TITLE Richard A. Minichiello, Vice President/Principal, Regional Manager					

## 4.2.3 - Firm Qualifications and Experience

ARCHITECT - ENGINEER QUALIFICATIONS				1. SOLICITATION NUMBER (If any)		
				RFQ #12135-986		
PART II – GENERAL QUALIFICATIONS						
(If A Firm Has Branch Offices, Complete For Each Specific Branch Office Seeking Work.)						
2a. FIRM (OR BRANCH OFFICE) NAME STV				3. YEAR ESTABLISHED 1912		
2b. STREET 6303 Blue Lagoon Drive, Suite 400				4. UNIQUE ENTITY IDENTIFIER 04-8357735		
2c. CITY Miami				5. OWNERSHIP		
2d. STATE FL				a. TYPE Corporation		
2e. ZIP CODE 33126-6040				b. SMALL BUSINESS STATUS		
6a. POINT OF CONTACT NAME AND TITLE Jorge Leon, P.E., Director of South Florida Operations/Senior Electrical Engineer				7. NAME OF FIRM (If block 2a is a branch office) STV Incorporated		
6b. TELEPHONE NUMBER (305) 537-4673				8b. YEAR ESTABLISHED 1945 / 1968		
6c. E-MAIL ADDRESS Jorge.Leon@stvinc.com				8c. UNIQUE ENTITY IDENTIFIER 04-8357735		
8a. FORMER FIRM NAME(S) (If any) Seelye Stevenson Value & Knecht / STV Engineers, Inc.						
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. FUNCTION CODE	b. DISCIPLINE EMPLOYEES	c. NO. OF EMPLOYEES		a. PROFILE CODE	b. EXPERIENCE	c. REVENUE INDEX NUMBER (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	395	9	A06	Airports; Terminals and Hangars; Freight Handling	7
06	Architects	90	0	B02	Bridges	9
12	Civil Engineers	182	10	C15	Construction Management	10
13	Communications Engineers	12	1	E09	Environmental Impact Studies, Assessments or Statements	7
15	Construction Inspectors	114	0	E11	Environmental Planning	7
16	Construction Managers	100	6	G01	Garages; Vehicle Maintenance Facilities; Parking Decks	8
21	Electrical Engineers	42	3	H07	Highways; Streets; Airfield Paving; Parking Lots	9
23	Environmental Engineers	8	0	P05	Planning (Community, Regional)	8
24	Environmental Scientists	13	0	P07	Planning (Site, Installation, and Project)	6
27	Foundation/Geotechnical Engineers	6	0	R03	Railroad; Rapid Transit	10
35	Industrial Engineers	4	0	S02	Security Systems; Intruder & Smoke Detection	5
42	Mechanical Engineers	37	0	S03	Seismic Designs & Studies	5
47	Planners: Urban/Regional	25	0	T03	Traffic & Transportation Engineering	7
48	Project Managers	238	10	T06	Tunnels & Subways	8
54	Security Specialists	5	0	Z01	Zoning; Land Use Studies	4
57	Structural Engineers	136	8			
60	Transportation Engineers	42	0			
	Other: Rail Systems Engineers	50	2			
	Other: QA/QC	12	0			
	Other: Vehicle Engineers	54	0			
	OTHER EMPLOYEES	310	4			
	TOTAL	1,875	53 Statewide			
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)				PROFESSIONAL SERVICES REVENUE INDEX NUMBER		
a. Federal Work	6	1. Less than \$100,000				
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000				
c. TOTAL WORK	10	3. \$250,000 to less than \$500,000				
		4. \$500,000 to less than \$1 million				
		5. \$1 million to less than \$2 million				
		6. \$2 million to less than \$5 million				
		7. \$5 million to less than \$10 million				
		8. \$10 million to less than \$25 million				
		9. \$25 million to less than \$50 million				
		10. \$50 million or greater				
12. AUTHORIZED REPRESENTATIVE						
a. SIGNATURE 				b. DATE April 30, 2018		
c. NAME AND TITLE Jorge Leon, P.E., Director of South Florida Operations/Senior Electrical Engineer						




## 4.2.3 - Firm Qualifications and Experience

<b>ARCHITECT – ENGINEER QUALIFICATIONS</b>				1. SOLICITATION NUMBER (If any) RFQ #12135-986	
<b>PART II – GENERAL QUALIFICATIONS</b>					
(If a firm has branch offices, complete for each specific branch office seeking work.)					
2a. FIRM (OR BRANCH OFFICE) NAME T.Y. Lin International				3. YEAR ESTABLISHED 1954	4. DUNS NUMBER 11-593-1552
2b. STREET 1501 NW 49 <sup>th</sup> Street, Suite 203				5. OWNERSHIP	
2c. CITY Fort Lauderdale		2d. STATE FL	2e. ZIP CODE 33309	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE  Joseph Yesbeck, PE   Vice President				b. SMALL BUSINESS STATUS Not Certified	
6b. TELEPHONE NUMBER 954.491.5556		6c. E-MAIL ADDRESS Joseph.Yesbeck@tylin.com		7. NAME OF FIRM (If block 2a is a branch office) T.Y. Lin International	
8a. FORMER FIRM NAME(S) (If any) N/A				8b. YR. ESTABLISHED	8c. DUNS NUMBER 80-181-9996

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
02	Administrative	138	3	A05	Airports; Navajds; Airport Lighting; Aircraft	6
06	Architects	22		A06	Airports; Terminals; & Hangers; Freight	7
08	CADD Technician	70		B02	Bridges	10
12	Civil Engineers	167	4	C10	Commercial Building; (low rise); Shopping	7
15	Construction Inspector	45	1	C15	Construction Management	7
16	Construction Manager	22	6	E02	Educational facilities, classrooms	5
21	Electrical Engineer	13		H07	Highways; Streets; Airfield Paving; Parking	9
24	Environmental Scientist	4		P05	Planning (community, regional, areawide,	5
29	GIS Specialist	2		R03	Railroad and Rapid Transit	9
30	Geologist	1		R04	Recreational facilities (parks, marinas)	5
32	Hydraulic Engineer	3		R06	Rehabilitation (Buildings; Structures;	5
38	Land Surveyor	12		S09	Structural Design; Special Structures	6
39	Landscape Architect	5	1	T03	Traffic & Transportation Engineering	7
42	Mechanical Engineer	18		W02	Water resources, hydrology, groundwater	5
47	Planners: Urban/Regional	13	2	201	Construction Engineering	5
48	Project Manager	24				
56	Specifications Writer	3				
57	Structural Engineer	161				
58	Technician/Analyst	14				
60	Transportation Engineer	32	2			
	Other Employees	86	1			
<b>TOTAL</b>		<b>855</b>	<b>20</b>			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	<b>6</b>	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	<b>10</b>	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	<b>10</b>	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

<b>12. AUTHORIZED REPRESENTATIVE</b> The foregoing is a statement of facts.	
a. SIGNATURE 	DATE 4/30/18
c. NAME AND TITLE Joseph Yesbeck, PE   Vice President	



CAM #18-1170  
Exhibit 7  
51 of 81

## 4.2.3 - Firm Qualifications and Experience

**State of Florida**  
**Department of State**

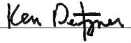
I certify from the records of this office that KEITH AND SCHNARS, P.A. is a corporation organized under the laws of the State of Florida, filed on October 6, 1972.

The document number of this corporation is 603751.

I further certify that said corporation has paid all fees due this office through December 31, 2017, that its most recent annual report/uniform business report was filed on March 31, 2017, and that its status is active.

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


*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Thirty-first day of March, 2017*

  
**Secretary of State**

Tracking Number: CC2261241712

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


**State of Florida**  
**Board of Professional Engineers**  
Attests that  
**Keith & Schnars, P.A.**



Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2019  
Audit No: 228201904481 R


CA Lic. No: 1337

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

License No.: LB1337  
Expiration Date: February 28, 2019

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

KEITH & SCHNARS P.A.  
6500 N ANDREWS AVE  
FT LAUDERDALE, FL 33309-2132

  
ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

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

RICK SCOTT, GOVERNOR      JONATHAN ZACHEM, SECRETARY

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


LICENSE NUMBER: LCC000137

The LANDSCAPE ARCHITECT BUSINESS Named below HAS REGISTERED Under the provisions of Chapter 481 FS. Expiration date: NOV 30, 2019

KEITH AND SCHNARS, PA  
6500 N ANDREWS AVE  
FT LAUDERDALE, FL 33309-2132

ISSUED: 10/11/2017      DISPLAY AS REQUIRED BY LAW      SEQ # 1171011002905

**State of Florida**  
**Board of Professional Engineers**  
Attests that  
**Mark James Moshier, P.E.**




Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2019  
Audit No: 228201907486 R

P.E. Lic. No: 32016

**State of Florida**  
**Board of Professional Engineers**  
Attests that  
**Jose Luis Gomez, P.E.**




Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2019  
Audit No: 228201906173 R

P.E. Lic. No: 35526

**State of Florida**  
**Board of Professional Engineers**  
Attests that  
**Jeffrey M. Carpenter, P.E.**




Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2019  
Audit No: 228201905189 R

P.E. Lic. No: 57334


**State of Florida**  
**Board of Professional Engineers**  
Attests that  
**Jorge Armando Ortiz, P.E.**



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2019  
Audit No: 22820191960 R


P.E. Lic. No: 37772

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

License No.: LS4641  
Expiration Date: February 28, 2019

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

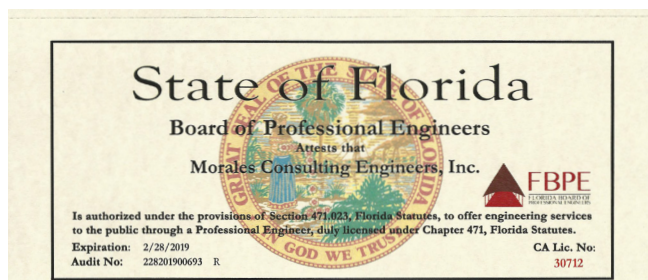
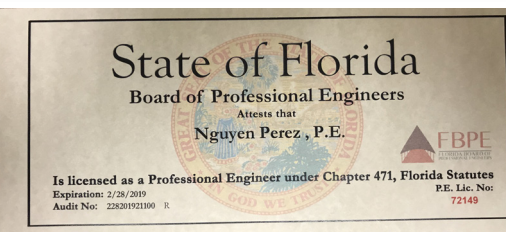
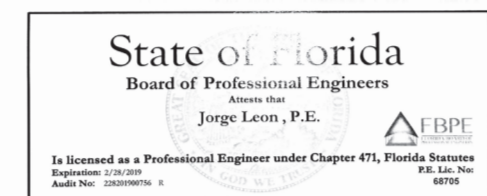
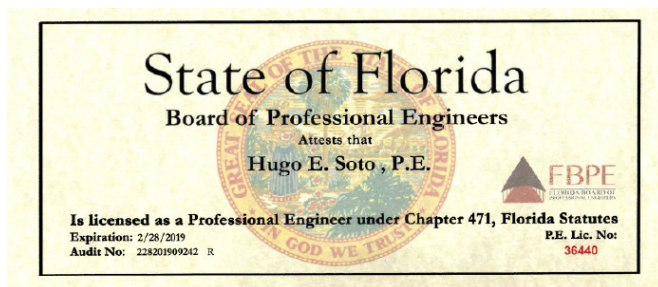
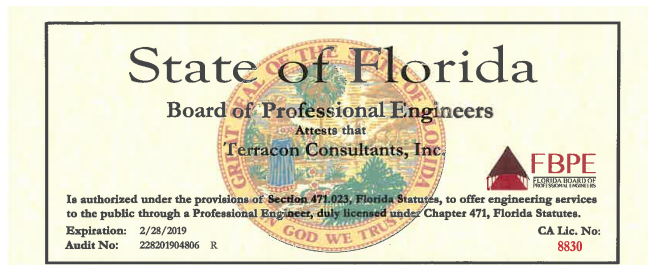
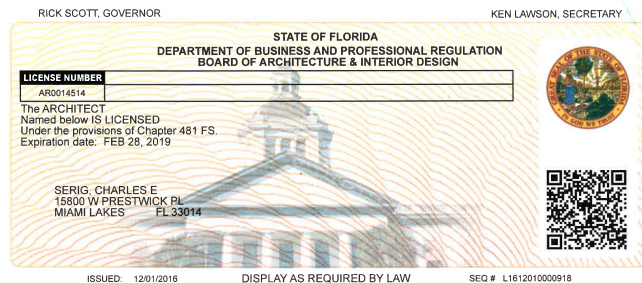
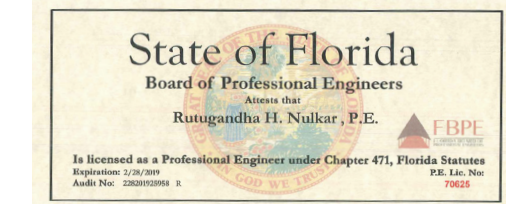
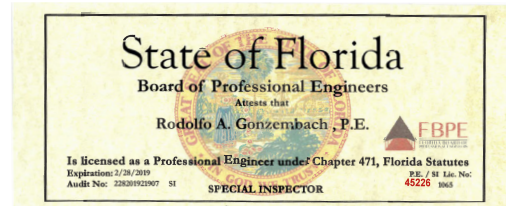
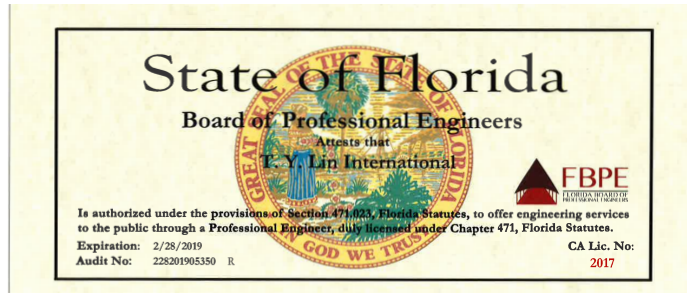
ROBERT KEVIN KRISAK  
6344 NW 52ND ST  
POMPANO BEACH, FL 33067-2150

  
ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

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



## 4.2.3 - Firm Qualifications and Experience





- 1** Approved Development: Flagler Storage  
8,942 sf of self-storage
- 2** Proposed Development: Apache Lofts  
33 residential units
- 3** Approved Development: Flagler Village Hotel  
195 rooms  
2,227 sf retail
- 4** Completed Development: Brightline Rail Station  
30,276 sf rail station  
7 story parking facility  
1,582 sf retail

- 5** Proposed Development: FAT City  
626 residential units  
96,002 sf retail  
406,958 sf office
- 6** Under Construction: One20fourth  
386 residential units  
2,100 sf retail

# SECTION 4.2.4

## ORGANIZATIONAL PROFILE AND PROJECT TEAM

Williams Communications Inc

State of Florida

BROWARD BLVD

NUGENT AVE

NW 1ST AVE

BRICKELL AVE

ANDREWS AVE

NE 1ST AVE

NE 4TH ST

NE 3RD ST

NE 2ND ST

Fort Lauderdale City Hall

NE 1ST ST

Remick, Brian E Jeansusan Inc

Mcdonalds Corp

Jeansusan Inc

Weidling, Carl and Dean

Proposed pedestrian crossing

Legend

- Mobility Hub Boundary
- Downtown Development Projects
- AAF Ownership (Various LLCs)
- Streetcar Stations
- Wave Streetcar

0 37.5 75 150 Feet

CAM #18-1170

Exhibit 7

54 of 81



## 4.2.4 - Organizational Profile and Project Team

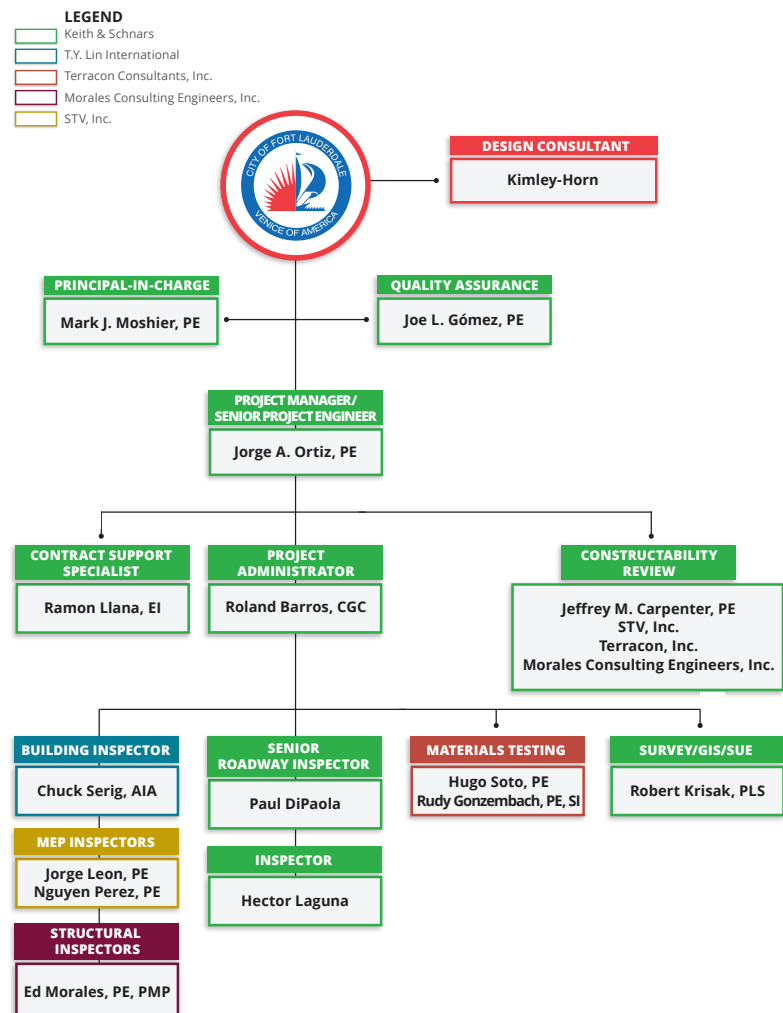
### Introduction:

Our project team consists of the following members:

- Keith & Schnars (K&S) – Prime Consultant (Owner's Representative) & Lead CEI Firm
- T.Y. Lin International (TYLI) – Subconsultant: Architecture
- STV, Inc. (STV) – Subconsultant: Mechanical, Electrical and Plumbing (MEP)
- Terracon Consultants, Inc. (Terracon) – Subconsultant: Geotechnical & Materials Testing
- Morales Consulting Engineers, Inc. (MCE) (DBE) – Subconsultant: Structural Engineering

The above team members will be actively involved during Task 1: Constructability Reviews and Task 2: CEI Services depending on the particular phase of construction. K&S has previously worked and is currently working with all the firms. All firm, project, and personnel information is contained with the SF 330 forms provided in this section. The Organizational Profile is included within this section.

Our Project Manager/Senior Project Engineer will be Jorge A. Ortiz, PE. Mr. Ortiz is an accomplished structural and construction engineer with over 32 years of experience in design and construction. Mr. Ortiz has built parking garages for the FDOT and other vertical structures throughout his career as well as complex transportation projects. His SF 330 is provided in Section 4.2.3 along with his detailed résumé included within this section.





## Jorge A. Ortiz, P.E.

### Project Manager/Senior Project Engineer

Mr. Ortiz has over 32 years of experience in the design, project management and construction engineering and inspection (CEI) of Highway Transportation Projects throughout the State of Florida and Maryland. He has served as Senior Project Engineer/Administrator for FDOT projects in Districts 1, 4 and 6. His experience ranges from major interstate highway bridges to roadway projects and toll plazas. Mr. Ortiz has been responsible for Contract Management and Administration, procurement, bid processing, cost estimating and contract negotiation for various construction projects. He is also experienced in bridge design, load rating, inspection and rehabilitation. As the Southeast Florida Area Engineer at Keith & Schnars, Mr. Ortiz is responsible for construction management and contract administration of CEI projects including office and field staff supervision, manpower and project schedule monitoring, reviewing and negotiating contract changes, preparing and executing task work orders and supplemental agreements and maintaining client relationships.

#### Years of Experience:

32

#### FDOT Work Groups:

10.1

TIN # 063242154

#### Academic Background

B.S. Civil Engineering,  
University of Florida, 1979

#### Professional Registrations

Registered Professional  
Engineer, FL #0037772,

MD #0014738

#### FDOT CTQP Qualifications

Asphalt Paving  
Technician -

Levels 1 & 2

Final Estimates - Levels  
1 & 2

QC Manager

#### Professional Certifications

##### FDOT

MOT - Maintenance of  
Traffic, Advanced

FDEP Stormwater,  
Erosion & Sedimentation  
Control Inspector

Critical Structures  
Construction Issues

#### Awards

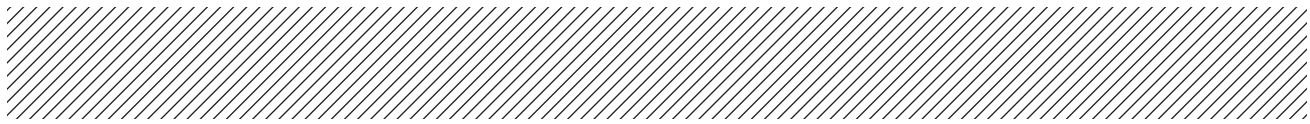
2000 Urban Project  
Award, Resident Engineer  
Biscayne Boulevard (US-1)

ASCE 2009 Project of the  
Year Broward County  
Reclaimed Water for the  
City of Coconut Creek

#### Relevant Experience

**Seacrest Beautification Phase 1/NE 2nd Avenue from George Bush Boulevard to NE 13th Street, FPID# 435808-1-58-01, Delray Beach, FL:** Senior Project Engineer - CEI services for the widening of NE 2nd Avenue to add designated green painted bike ways in both directions, repurposing of swales including removal of existing vegetation, milling and resurfacing, new sidewalks and valley gutters, reconstruction of driveways, installation of decorative pavers localized drainage improvements, signage and pavement markings. Client/Contact: City of Delray Beach, Department of Public Works/Tracie M. Lutchmansingh, P.E., Professional Engineer III, Phone: (561) 243-7322, Email: lutchmansingh@mydelraybeach.com. (11/17 to Present)

**SR-A1A from Oakland Park Boulevard to Flamingo Avenue, FPID #431204-1-52-01, Fort Lauderdale, FL:** Senior Project Engineer - This is a "Greenway" beautification enhancement project which entails the reconstruction and restoration of approximately 1.04 miles of a four-lane roadway facility to include a bike lane in each direction and a raised median. The work also includes major improvements to the existing drainage system, new curb and gutter, sidewalk, extensive hardscape, lighting, signalization, signage and pavement markings. Responsible for the contract administration and construction management of this project including field staff supervision, overall construction project schedule monitoring, Quality Control of contractor operations and materials certifications. Client/Contact: FDOT District 4/Yveins Jean-Pierre, P.E., Project Manager, Phone: (954) 940-7611. (6/15 to Present)



**I-75/SR-93 from Broward County Line to East of SR-951, FPID #436092-1-52-01, Collier County, FL:** Senior Project Engineer - This is a 50-mile safety improvement project consisting of the installation of guardrails along the outside shoulders on both NB and SB. Some existing guardrails will be upgraded to meet the current design standards and the maintenance service openings will be improved to provide better delineated entry points. Responsible for contract administration and construction management including quality control, resolution of project issues, contract negotiation, construction inspection and supervision. Client/Contact: FDOT District 1/Joseph Eliode, P.E., Project Manager, Phone: (239) 985-7800. (8/15 to Present)

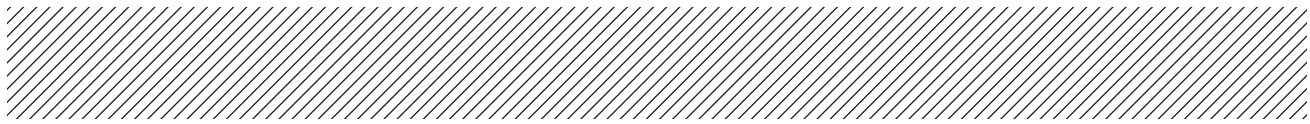
**US-41 Groupings, FPID #425228-1-62-01, Lee & Charlotte Counties, FL:** Project Engineer/Administrator - Provided CEI services on a grouping of 5 projects along US-41 in Lee and Charlotte Counties. Two of the five projects included: SR-867, McGregor Boulevard from College Parkway to Keenan Avenue, Lee County. These projects involved milling and resurfacing of 0.36 miles of roadway, widening of shoulders, drainage system reconstruction, sidewalk improvements, signing & pavement markings and signalization; Pine Island Road/SR-78 from US-41 to Del Prado Boulevard, Lee County (FPID #425230-1-52-01) involved milling and resurfacing, widening of 2.6 miles of roadway for bike path, shoulder treatment, drainage improvements, de-silting, curb & gutter, guardrail, sidewalk construction, signing & paving and signalization. Client/Contact: FDOT District 1/Chris Mollitor, Project Manager, Phone: (239) 985-7800. (9/11 to 9/13)

**Broward County Highway Construction & Engineering Division, Fort Lauderdale, FL:** Design Section Manager - Duties included the design and review of a wide variety of engineering and environmental projects, scheduling assigning projects and supervision of subordinate engineering and technical personnel engaged in design. Mr. Ortiz was also responsible for the preparation and review of estimates, contract documents and specifications, analysis and review of consultant engineering studies and designs. Projects included:

- Wiles Road: A \$23 million, 1.2 mile new 4-lane highway construction project from Power Line Road to West of the Turnpike including a concrete bridge over the Turnpike, drainage system, lighting, signalization, sidewalk, landscape and irrigation, signage and pavement markings. Responsibilities included construction management, inspection and supervision of all contractor operations including installation of a reclaimed water main, paving, testing and sampling of materials and contract administration.
- Hiatus Road: A \$9.1 million, 1.4 mile new 4-lane highway from Sunrise Boulevard to Oakland Park Boulevard. Mr. Ortiz was responsible for design and roadway plan preparation of completed project including new drainage system sidewalk, pavement markings and signalization

Contact: Broward County Highway Construction & Engineering Division/Richard Tornese, Director, Phone: (954) 577-4579. (6/09 to 8/11)

**Axis Engineering Consultants, Inc., Miami, FL:** Senior Structural Engineer – Responsible for Structural Engineering Design of Residential and Commercial Building Structures and CEI Services. Mr. Ortiz completed the Structural Engineering Analysis and Design Evaluation for the Overtown Transit Village Parking Garage Building in Downtown Miami, the Design of the Virginia Key Wetlands Restoration Boardwalk and a 20-story building vibration and monitoring analysis for Miami-Dade County General Services Administration. (2/08 to 5/09)



**SR-824/Pembroke Road and SR-848/Stirling Road Projects, Broward County, FL:** Senior Project Engineer – Responsible for Milling and Resurfacing, access management, signalization, signing and pavement markings, sidewalk repairs and A.D.A. improvements. Duties included Contract Administration, Quality Control and Project Management, coordination with numerous utility companies for relocation/modifications of their facilities, CPM Scheduling review and analysis, construction conflict resolution, MOT inspection, construction progress monitoring and evaluation, analysis and negotiation of contract changes and supervision of office and inspection staff. Client/Contact: FDOT District 4/Pat McCann, Assistant District Construction Engineer, Phone: (954) 777-4387. (4/06 to 1/08)

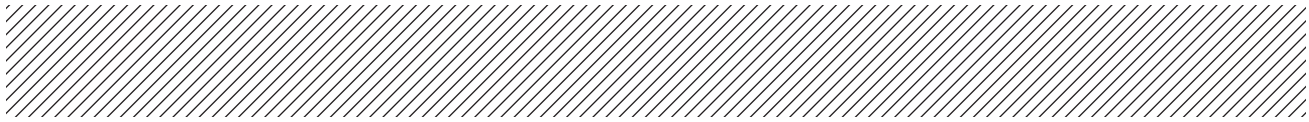
**SR-25/Okeechobee Road, Miami-Dade County, FL:** Senior Project Engineer - Widening and re-construction of Okeechobee Road including installation of new drainage system and construction of a bulkhead wall along the Miami Canal. Mr. Ortiz was responsible for Construction Management, Contract Administration, utility coordination, MOT inspection, schedule review, analysis and negotiation of contract changes. Client/Contact: FDOT District 6/Mario Cabrera, P.E., District Construction Engineer, Phone: (305) 640-7400, Email: mario.cabrera@dot.state.fl.us. (8/04 to 3/06)

**Westbound SR-836 Connector Ramp to Southbound Homestead Extension of Florida Turnpike (HEFT) Project, Miami-Dade County, FL:** Mr. Ortiz was responsible for the analysis and resolution of contract and project issues, general supervision and coordination of project personnel, monitor and review of construction progress and procedures, coordination and preparation of supplemental contract documents and related correspondence including reviewing and evaluation of amendments or change orders to the contract documents, design coordination, public relations and involvement. Client/Contact: Miami-Dade Expressway Authority (MDX)/Javier Rodriguez, MDX Director, Phone: (305) 637-3277. (1/03 to 1/04)

**Marlin Engineering, Inc., Miami, FL:** Director of Construction Services/Resident Engineer – Mr. Ortiz was responsible for the Contract Administration, Management of Personnel and Coordination of various construction projects in FDOT Districts 4 and 6 and the Turnpike. Contract Administration for the firm's participation on the following CEI Projects:

- Biscayne Boulevard Interchange at Ives Dairy Road (N. 203rd Street) - construction of new elevated intersection over W. Dixie Highway and Rail Road tracks;
- SR-826 Improvements - construction of auxiliary lane and exit ramp at 57th Avenue and NW 67th Avenue;
- Flagler Street Milling and Resurfacing From 69th Avenue to 27th Avenue;
- Florida's Turnpike Widening and Reconstruction from Boca Raton to Delray Beach;
- Miami-Dade Water and Sewer Department Major Rehabilitation Project - Infiltration/Exfiltration/Inflow Reduction Program of the Miami-Dade Sewer System;
- SR-836 Widening and Reconstruction from SR-826 to NW 57th Avenue;
- Miami Intermodal Center (MIC) Project Widening and reconstruction of interim roadways NW 25th and 26th Streets and NW 37th Avenue; (4/97 to 11/02)

**SR-5/US-1, Biscayne Boulevard Reconstruction, Miami-Dade County, FL:** Resident Engineer – Responsible for CEI of the widening and reconstruction of 1 mile segment, divided main artery within the City of Aventura. The project was completed ahead of schedule, within budget and without claims. Mr. Ortiz was also responsible for all project related construction, engineering and administrative functions to assure the project was performed in conformity with the plans, specifications and special provisions. This project earned written commendations from the City of Aventura, the Business and Residential communities and the FDOT District 6 Construction Office. FDOT District 6/Mario Cabrera, P.E., District Construction Engineer, Phone: (305) 640-7400, Email: mario.cabrera@dot.state.fl.us. (4/97 to 3/99)



### **Disaster Recovery Experience**

**Hurricane Andrew Disaster Recovery:** As Program Manager for the District 6 Construction Department Mr. Ortiz was in charge for the coordination of various contractors assigned to pre-determined areas in South Dade County for debris removal and disposal in the aftermath of Hurricane Andrew (August 28, 1992). Mr. Ortiz duties included management and supervision of staff assigned to inspect and document work performed by contractors, coordination with officers from the Correctional Department for the use of inmates helping in clean-up efforts, coordination with truckers and truck routes, heavy equipment and operators. Mr. Ortiz was also responsible for determining location of incinerators strategically placed for disposal of debris from the different areas. FDOT District 6. (9/88 to 10/95)

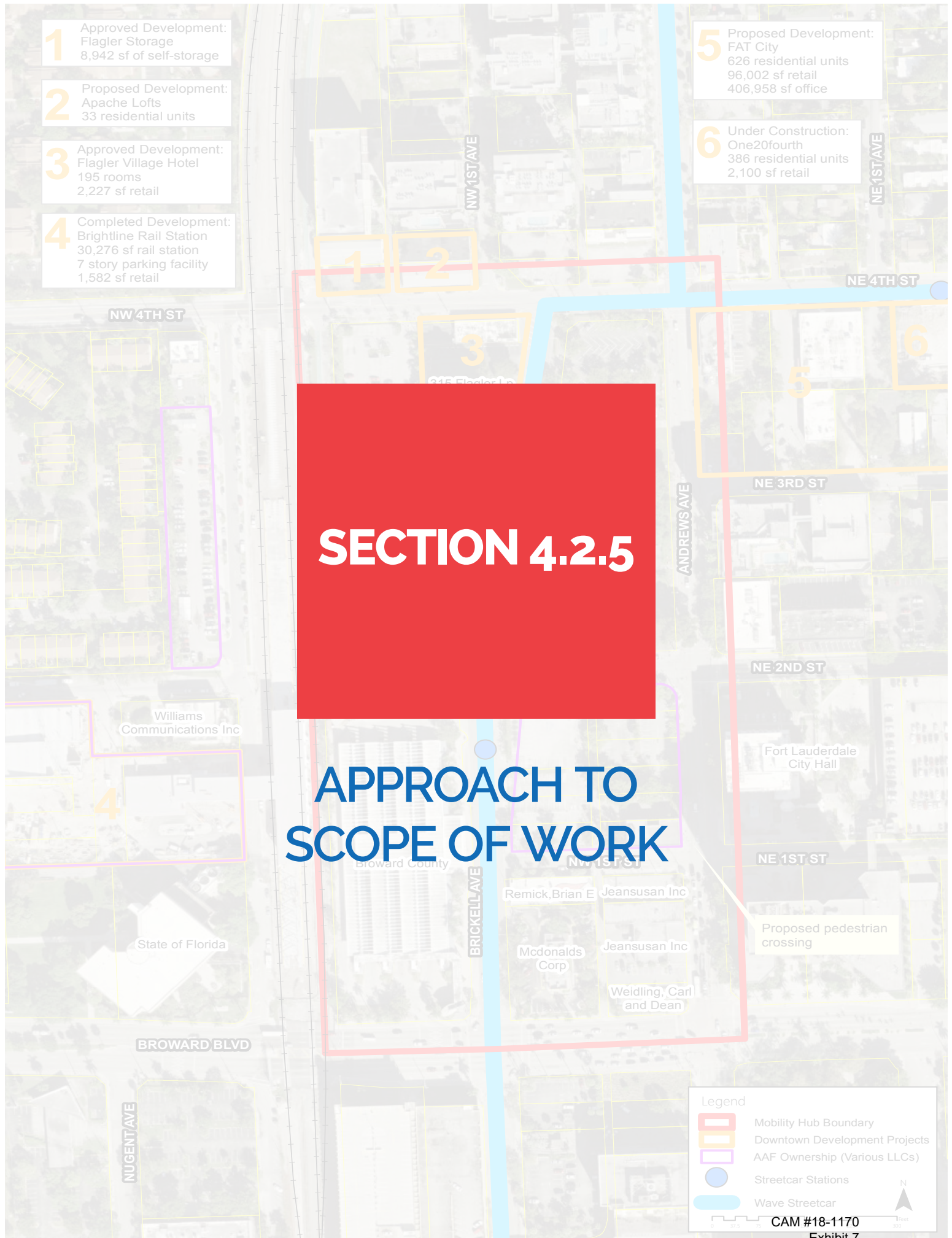


- 1** Approved Development: Flagler Storage  
8,942 sf of self-storage
- 2** Proposed Development: Apache Lofts  
33 residential units
- 3** Approved Development: Flagler Village Hotel  
195 rooms  
2,227 sf retail
- 4** Completed Development: Brightline Rail Station  
30,276 sf rail station  
7 story parking facility  
1,582 sf retail

- 5** Proposed Development: FAT City  
626 residential units  
96,002 sf retail  
406,958 sf office
- 6** Under Construction: One20fourth  
386 residential units  
2,100 sf retail

# SECTION 4.2.5

## APPROACH TO SCOPE OF WORK



**Legend**

- Mobility Hub Boundary
- Downtown Development Projects
- AAF Ownership (Various LLCs)
- Streetcar Stations
- Wave Streetcar

0 37.5 75 150 Feet

**CAM #18-1170**  
Exhibit 7  
60 of 81

## 4.2.5 - Approach to Scope of Work

### Understanding of the Scope of Services

The scope of services for this contract is to provide full and complete Owner's Rep services including pre-construction constructability reviews and construction, engineering and inspections services to the City of Fort Lauderdale. We understand that this project is funded by the BMPO and FTA so we will need to abide by the requirements of the FTA's Project and Construction Management Guidelines (P&CMG), March 2016, along with any City specific requirements.

In order to fulfill these requirements, K&S has assembled a top-notch team of professionals with extensive depth of resources and experience to be available at a moment's notice. The following sections detail our approach and methodology for this project.



### Task 1: Constructability Reviews

**Pre-Construction Activities:** The key to any successful project is preparation. As the Owner's Rep, our responsibility will begin prior to the start of construction. Successful interphase with the City and the EoR during the design phase will allow our team of construction experts to assess potential issues that may arise during construction and provide recommendations on how to mitigate them. The first task K&S will undertake will be a thorough constructability review of the plans and specifications. Such a review will include a search for any apparent errors, avoidable conflicts or oversights and an onsite review of field conditions to confirm that they are accurately reflected in the contract documents. K&S personnel will contact utility owners to determine the current status of their existing facilities in the project right-of-way as well as any proposed new ones.



N. Andrews Ave looking north from Broward Blvd.

The findings of this analysis and any suggested modifications to the construction contract will be reviewed with City of Fort Lauderdale's Project Manager to jointly arrive at a recommended course of action. Once bids have been received for the project, K&S staff can, if requested by the City, review the bid prices to confirm that they are in line with current construction costs, assess the qualifications of the low bidder, and submit our recommendations concerning award to the City. Some of the key constructability issues that we will address include:

- Access to the site.
- Staging areas.



## 4.2.5 - Approach to Scope of Work

- Maintenance of Traffic (MOT) during various phases of construction. This also includes pedestrian walkability and safety concerns. Proper traffic detours will also be looked at.
- Utility relocations, if any and the impact to the construction schedule.
- Dust and erosion control.
- Specialty equipment that may require access to the site including cranes. Having the correct footprint for the crane's outriggers is important as this may sometime impact the number of lanes necessary for closure. Location of any overhead utility lines that may be impacted by the cranes boom.
- General and Pay Item Notes on the plans.
- Estimate of quantities and associated pay items.
- Special provisions or materials. Ensuring that materials are all on the Qualified Products List (QPL), since federal funds are being used or approved by the City.
- Special design treatments or considerations, including aesthetic treatments.

During the Constructability Reviews, our goal is not to comment on design issues, as this is the purview of the EoR. Rather, our responsibility is to review the design to ensure that it can be implemented and constructed and that it will function as the design intends. Part of our responsibility is to also ensure that the design will not cause the Contractor to file claims due to unclear construction notes or missing information.

The schedule for the Constructability Reviews, as indicated in the SOQ is a 60% review in August of 2018 and a 90% review in September 2018. Since construction is not anticipated to start until December of 2018, we recommend that an extra month be allotted between the 60% (critical phase) and



N. Andrews Ave facing south from NW 4th Ave

the 90% phase to ensure all comments are agreed upon and incorporated. Our philosophy is one of partnering with the City and the EoR during this phase.

### Task 2: CEI Services

**Project Schedule:** K&S will prepare a Project Control Schedule designed to allow the City's Project Manager to monitor the progress of the construction contract at a glance on a monthly basis. Each month, a report including an update of this schedule and the status of all major items of work will be submitted to the City. K&S will perform a detailed review of the Contractor's schedule and submit a comprehensive report to the City. The Contractor will be requested to submit a Two Week "look ahead" at each weekly progress meeting so that inspection activities can be coordinated with construction operations. This schedule, in addition to its primary purpose of controlling and tracking job progress, provides the basis for analysis of any Contractor claims and time extension requests. We are aware of the critical schedule for the construction of this project, 12 months, and are prepared to work in partnership with the Contractor and the City to achieve this goal.

## 4.2.5 - Approach to Scope of Work



Brickell Ave facing north from Broward Boulevard

**Onsite Inspection:** Onsite inspections, with qualified FDOT CTQP certified personnel will be conducted daily by our Inspectors to observe and report if Contractor is strictly adhering to the plans, specifications, special provisions and contract documents, including current manuals, process and procedures. All of our Inspectors are experienced, trained and certified by the FDOT in the appropriate categories of inspection services. Defining the project goals, developing a strategy, establishing a team communication and a regular reporting system with our clients will assure the successful completion of any project. Once construction has begun, we will act as an extension of the City, monitoring the Contractor's on-site construction operations and materials testing to ensure quality workmanship and conformance to plans, specifications and other contract documents while providing contract administration as well.

**Survey Control:** In order to assure that there is a solid base for the project layout, K&S will coordinate with the City of Fort Lauderdale staff, and EoR, if necessary, to establish centerline and baseline controls prior to the beginning of construction. Control Points will be re-established as necessary to assure adequate control over horizontal and vertical alignment of the project throughout the construction process. All incidental engineering surveying services will be per-

formed. CEI staff on the project will accomplish items such as Subsoil Excavation Sections, Verification of As-Built Template, Pre-paving Survey, measurements of work items for final payment, As-Built Certification of Storm Water Management Systems and Traffic Control Surveys, as appropriate. K&S has LiDAR capabilities and can be used for this project.

**Sampling and Testing:** For this type of contract with the City of Fort Lauderdale, our team will perform sampling and testing. We will be responsible to monitor job control samples. In addition, testing of approved materials delivered to the project site will be verified, accepted and documented according to the City's and FTA procedures and requirements. Sampling and testing of component materials will be performed by K&S personnel to assure that the project conforms to the design plans, specifications and contract provisions. The sampling frequencies and guidelines utilized will be those detailed in the Florida Department of Transportation Material Sampling, Testing and Reporting Guide and Standard Specifications as well as any special contract provisions. K&S personnel will obtain and deliver required samples to laboratories designated or approved by City of Fort Lauderdale. Our Engineer will be responsible for collecting field data daily from the project Inspectors and maintaining project level records similar to those required by FDOT, which are consistent with FTA requirements. A computer-generated version of this sampling and testing record will be maintained by K&S personnel and provided to the City.

**Documentation:** Preparation of agenda, meeting minutes of the preconstruction meeting as well as all of the weekly or biweekly progress meetings will be prepared and distributed in a timely manner. K&S will be pro-active in public relations, keeping the City and local residents apprised of all activities that may impact their access or traffic flow. Priority will be given to inquiries from the public. K&S will work closely with City's Project Manager to devise and implement a program to minimize the impacts of this construction on residents of the area.

**Daily Coordination:** Our prior experience has indicated the importance of preconstruction

## 4.2.5 - Approach to Scope of Work

surveys and video filming of existing conditions within the area of influence from construction operations. Thus, we will assist the Contractor in documenting the necessary existing conditions, via video log and still photographs as necessary. We will record clear, detailed, accurate, objective, complete construction information in a timely basis. The Project Engineer/Senior Inspector will review this information on a daily basis. Working in conjunction, these Team members will complete the weekly summary.

On a daily basis, our inspection personnel and resident Project Engineer will meet briefly to discuss the upcoming day's activities. This meeting will be held in a common area of the job site, usually prior to 7:30am, and lasting only a few minutes to again communicate any critical areas that require extra attention, or any last-minute changes in the Contractor's schedule. Any questions or clarifications that need to be discussed will be addressed at this juncture. Since the Inspectors are informed of the Contractor's schedule, they will have the opportunity to review the contract documents prior to arriving at the work location for that day. This allows our field personnel to research, study, and analyze the plans and formulate insightful and intelligent thoughts.

The Project Engineer will observe each operation on a daily basis, speaking with each Inspector or Senior Inspector. He will discuss the Contractor's activities along with reference to the plans, contract specifications, testing guide, standard index and any other contract documents to assure the Inspector is completely knowledgeable of the activity being inspected. The Project Engineer will assure the Inspector's daily reports are completed thoroughly and with sufficient detail to translate an accurate description of the activity to a third party not familiar with the project. All report forms, which are field generated, will be completed by the Inspector and submitted on the same day. The Project Engineer will then review and initial, once any additional corrections are made, and then submit the forms to the office staff for input into the system.

**Payments:** K&S will review and either approve or reject all of the payment requests provided by the prime Contractor. In addition, it is important for the Contractor to submit the proper documentation in order to comply with FTA and federal EEO regula-



Brickell Ave facing south from NW 4th Ave

tions. Quantities for the Progress Estimates will be extracted from the dailies, tracked and verified on a weekly basis with the Contractor. Stockpile material requests will be submitted and verified the Wednesday before the monthly cut-off date.

**Maintenance of Traffic (MOT):** Once the proposed MOT for each project is submitted, we will review the documents and make the necessary recommendations to the City for approval. Coordination of any construction activities around schools, residences and businesses will be pre-arranged to determine scheduled hours of operation and any other safety requirements. K&S will work one-on-one with the City and Contractor to establish procedures to minimize the impacts of construction. Special attention will be given to the City of Fort Lauderdale's noise ordinance that limits the work hours on the project site. Additionally, the Contractor is required to phase the demolition and reconstruction work to limit the duration of time that individual sections of sidewalk are out of service. Our staff will monitor closely the demolition operation to make sure it is limited to the amount of new construction that can be replaced within a maximum of two weeks.

Prior to the different phases of the demolition and reconstruction, a well-planned sequence of work will be determined based on the approved schedule in order to keep the progress of the work and completion of the project within the allowable contract time. To this end, a large portion of our weekly progress meetings will be reserved for



## 4.2.5 - Approach to Scope of Work

discussions of the upcoming two weeks' work and implementing of pedestrian traffic control set-ups. It is essential to give special consideration to the surrounding community and businesses to ensure access to and from the property at all times during each phase of the construction operations. The work zone in a particular construction phase not yet completed will be properly safe guarded for not only pedestrians, but also for vehicular traffic at the end of each work day(s).

Ensuring that the set-up of MOT on a daily basis is done in close conformance with the approved plans and the applicable sheets of the FDOT Design Standard Index 600 series is critical to accomplishing the work successfully. The K&S Team will continuously inspect, observe, and document traffic maintenance at each phase of construction. Our Senior Inspectors will verify compliance with the placement of Portable Changeable Message Signs (PCMS), advance warning signs, location of arrow boards, length of tapers, and any other specific documentation such as sketches, calculations, and other data as part of a lane closure submittal. Each day, our Senior Inspector will work with the Contractor's Traffic Supervisor to verify that all traffic devices are in good condition, properly placed and that the entire set-up is in accordance with the traffic control plan prior to closing or re-routing vehicular or pedestrian traffic. The K&S time was provided high marks for inspection of the MOT on the recently completed SR A1A project in Fort Lauderdale Beach by the Chief Engineer for the Florida Department of Transportation.

### **Coordination with Stakeholders and the Public:**

The proximity of the project to existing businesses, residences and major transportation hubs poses numerous challenges. K&S will work one on one with the City and Contractor to establish procedures to minimize the impacts of construction.

**Drainage and Storm Water Quality:** The K&S team will monitor for all NPDES permit requirements as appropriate. Precautions will be emphasized for any possible environmental impacts. All stormwater systems adjacent to any construction areas will be closely monitored to ensure water quality adherence to permit and contract requirements.

**Utility Coordination:** K&S will perform all of the utility coordination, if appropriate for the project. It is important that all of the utilities are well-labeled within the project's limits prior to beginning of construction. A pre-utility coordination meeting

will be scheduled prior to beginning of construction to discuss and determine existing utility conflicts and possible solutions. Utilities will remain a constant agenda item in all of our weekly progress meetings.

**Quality Assurance:** Our Quality Assurance (QA) program is based on FDOT's rigorous QA program for Construction. In fact, both our Senior Project Engineers and our QA Manager are FDOT certified QC Managers. The program can be tailored or augmented to include specific requirements from both the City and the FTA. We will also follow the guidelines contained in the FTA's C&PMG manual. Reviews will be done early in the beginning of the project, usually with 30 days after start of construction, at 50% completion and prior to project closeout at 90%. A report will be issued and provided to the City's Project Manager noting all areas that require addressing with responses from the project team as to how the deficiencies or issues will be addressed. The QA will be performed by independent personnel, not directly associated with the day to day project activities.

**Implementation Plan and Schedule:** We will record clear, detailed, accurate, objective, complete construction information in a timely basis. The Project Manager will review all dailies which will then be compiled for the weekly summary. Quantities for the Progress Estimates will be extracted from the dailies, tracked and verified on a weekly basis with the Contractor. Stockpile material requests will be submitted and verified before the monthly cut-off date.

**Conflict Resolution:** In the course of virtually every construction project, situations arise that have the potential to lead to serious conflict between the Contractor and the owner. K&S construction professionals have found that the most effective means of dealing with those conflicts is to encourage adoption of a partnering concept among the CEI consultant's personnel, the Contractor and the City. When field problems occur, the most important function of the CEI consultant is to see that they are resolved as quickly as possible in an appropriate manner. We believe that all such problems should be resolved within 48 hours. We will bring these matters to the attention of the City's Project Manager as soon as they become apparent, and will offer our recommendations for a quick, equitable resolution. K&S will resolve the problems it is empowered to handle either on the spot, or as quickly as possible.

## 4.2.5 - Approach to Scope of Work



NW 4th Avenue facing east from Brickell Ave.

**Strategies for Ensuring Project Completion on Time and on Budget:** In the course of virtually every construction project, situations arise that have the potential to lead to serious conflict between the contractor and the Owner. K&S construction professionals have found that the most effective means of dealing with those conflicts is to encourage adoption of a partnering concept among the CEI consultant's personnel, the Contractor and the City. When field problems occur, the most important function of the CEI consultant is to see that they are resolved as quickly as possible in an appropriate manner. We believe that all such problems should be resolved within 48 hours. We will bring these matters to the attention of the City's Project Manager as soon as they become apparent and offer our recommendations for a quick, equitable resolution. K&S will resolve the problems it is empowered to do on the spot, or as quickly as possible. This type of pro-active conflict resolution allows for the project to run smoothly and allow the contractor to complete the work on time and on budget.

**Availability During the Project:** Our Project Manager/Senior Project Engineer and Project Administrator will be available during the duration of this contract to attend all required meetings including:

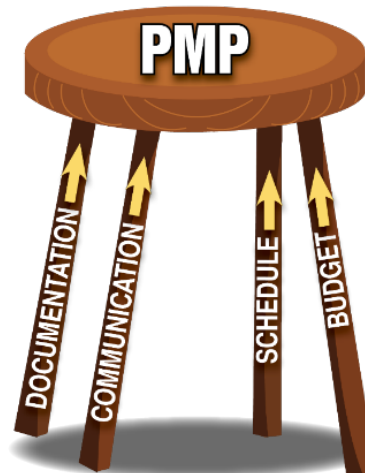
- Pre-construction Conference
- Progress Meetings
- Homeowner's or Resident Meetings

- Updates to City Commission (if requested)

In addition, his contact information will be made available to the City's Project Manager and the Contractor. In the event of any emergency, PM/SPE or PA will be available within 2 hours of receiving emergency notification.

All of the personnel shown in our organizational chart will be available for the duration of the project. Our Senior Project Engineer, Project Administrator, Contract Support Specialist, Senior Inspector and Inspector will be available full-time, if required, by the City.

**Organizational and Project Management Approach:** At K&S we adhere to a strict Project/Contract Management Plan that is tailored to each specific project or contract but follows very strict protocols. The essence of this PMP is the principle of the four-legged stool, with each leg representing a major component of the process, Documentation, Communication, Schedule and Budget as illustrated in the graphic with the seat being the actual plan itself. Each of these "legs" are critical to any construction project and they must all be addressed equally to ensure that at project closeout there are no issues with final payment to the Contractor, acceptance by the City and any reimbursements from BMPO/FTA.



## ***4.2.5 - Approach to Scope of Work***

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### **Available Facilities/Technological Capabilities:**

Our Corporate Fort Lauderdale office located at 6500 North Andrews Avenue will serve as the Team office. Should the City prefer that we co-locate with the Contractor onsite, we are ready to do so. K&S is a leader in technological capabilities including Arc GIS, LiDAR, Subsurface Utility Exploration (SUE) capabilities, AutoCAD and MicroStation platforms. In addition, all our field personnel are proficient in using Bluebeam Revu for all field plan documentation and revisions. We can also provide real-time progress videos and photos of the project using Unmanned Aerial Vehicle (UAV) or drones, as they are commonly referred to. K&S has licensed UAV pilots that are trained in the correct, legal and practical aspects of using drones. All our data is cloud based and readily available to retrieve by the City's Project Manager or any designed City staff. We have six survey field crews of either 2, 3 or 4 persons as needed.

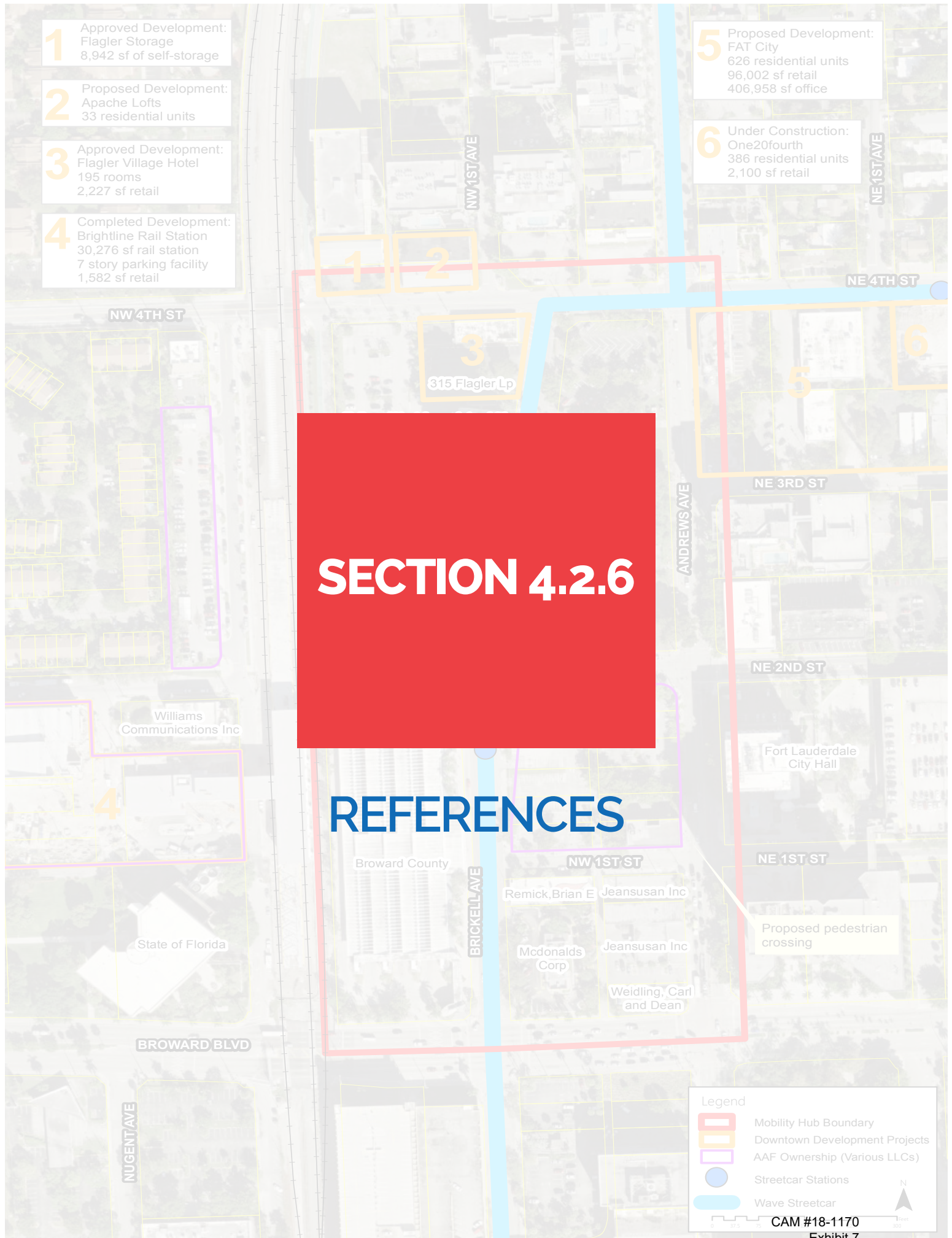


- 1** Approved Development: Flagler Storage  
8,942 sf of self-storage
- 2** Proposed Development: Apache Lofts  
33 residential units
- 3** Approved Development: Flagler Village Hotel  
195 rooms  
2,227 sf retail
- 4** Completed Development: Brightline Rail Station  
30,276 sf rail station  
7 story parking facility  
1,582 sf retail

- 5** Proposed Development: FAT City  
626 residential units  
96,002 sf retail  
406,958 sf office
- 6** Under Construction: One20fourth  
386 residential units  
2,100 sf retail

# SECTION 4.2.6

## REFERENCES



**Legend**

- Mobility Hub Boundary
- Downtown Development Projects
- AAF Ownership (Various LLCs)
- Streetcar Stations
- Wave Streetcar

0 37.5 75 150 Feet

**CAM #18-1170**  
Exhibit 7  
68 of 81

## 4.2.6 - References

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**Client Name:** City of Doral

**Client Address:** 8401 NW 53rd Terrace, Miami, Florida 33166

**Client Contact Name:** Jorge Gómez, P.E.

**Client Phone Number:** (305) 593-6725

**Client Email Address:** jorge.gomez@cityofdoral.com

**Description of Services Provided:** CEI Services for NW 52nd St. from NW 97th Ave. to NW 107th Ave. & NW 102nd Ave. from NW 41st St. to NW 58th St. Scope of Work: Widening, new drainage system, added bike lanes, milling and resurfacing, new Rapid Flashing Beacon and signage and pavement markings.

**Dates of Service (Start/End):** 2015 to 2017

**Contract Amount:** \$242K

**Client Name:** Seminole County

**Client Address:** 520 West Lake Mary Boulevard, Sanford, Florida 32773

**Client Contact Name:** Calvin Landers, P.E.

**Client Phone Number:** (407) 665-5772

**Contact Email Address:** clanders02@seminolecountyfl.gov

**Description of Services Provided:** Continuing Professional CEI Services on a variety of Task Work Orders (TWOs) that include; intersection improvements, drainage, milling and resurfacing, new sidewalk construction, school crossings, signage and pavement markings and bike lanes.

**Dates of Service (Start/End):** 2012 to Present

**Contract Amount:** \$1M

**Client Name:** Seminole Tribe of Florida

**Client Address:** 3107 North State Road 7, Hollywood, Florida 33021

**Contact Name:** Fabian Lefler, P.E.

**Client Phone Number:** (954) 894-1060 Ext. 10902

**Client Email Address:** FabianLefler@semtribe.com

**Description of Services Provided:** Continuing Professional CEI Services on a variety of Task Work Orders (TWOs) that include; new residential roadway construction, intersection improvements, drainage, milling and resurfacing, new sidewalk construction, school crossings, signage and pavement markings and bike lanes.

**Dates of Service (Start/End):** 2004 to Present

**Contract Amount:** \$1.5 M

**Client Name:** City of Sunny Isles Beach

**Client Address:** 18070 Collins Avenue, Sunny Isles Beach, Florida 33160

**Client Contact Name:** Paul Abbott, City Representative

**Client Phone Number:** (305) 773-6255

**Contact Email Address:** pgthbhtl@aol.com

**Description of Services Provided:** Design and CEI Services for the undergrounding of all utilities (FPL, Cable, Fiber-optic, Street Lighting) along SR A1A /Collins Ave from 158th St. to 199th St.

**Dates of Service (Start/End):** 2016 to 2017

**Contract Amount:** \$225K

\*Subconsultant references are included within section 4.2.3's SF 330.

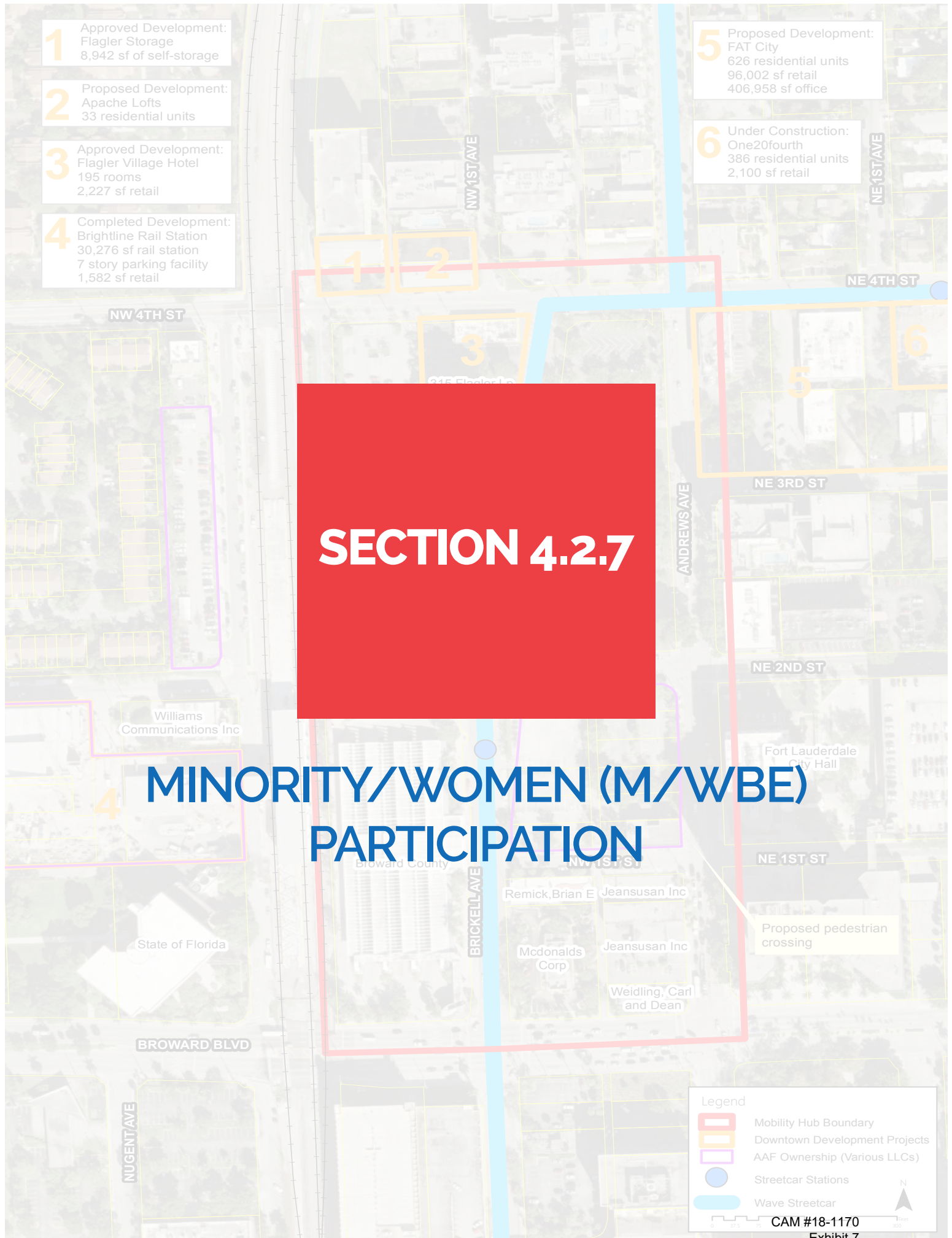


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1,582 sf retail

- 5** Proposed Development: FAT City  
626 residential units  
96,002 sf retail  
406,958 sf office
- 6** Under Construction: One20fourth  
386 residential units  
2,100 sf retail

# SECTION 4.2.7

## MINORITY/WOMEN (M/WBE) PARTICIPATION



**Legend**

- Mobility Hub Boundary
- Downtown Development Projects
- AAF Ownership (Various LLCs)
- Streetcar Stations
- Wave Streetcar

0 37.5 75 150 Feet

**CAM #18-1170**  
Exhibit 7  
70 of 81


## 4.2.7 - Minority/Women (M/WBE) Participation

As a culturally diverse firm, we have long recognized the importance of supporting Small Business Enterprise (SBE) and/or Minority/Women-owned Business Enterprise (M/WBE) participation in our projects. Our contracts reflect this commitment. For example, at Florida Institute of Consulting Engineers (FICE) 2015 annual meeting, we received an award for having the highest percentage of DBE utilization (29%, to be exact) of all engineering consultants in the state of Florida. Earlier this year, we were recognized by the Florida Department of Transportation (FDOT) for helping the state achieve its overall DBE goal.

Accordingly, we have teamed with Morales Consulting Engineers Inc. (MCE) for Structural Services and Constructability Review.

MCE is certified as a Disadvantaged Business Enterprise (DBE) by the Florida Department of Transportation.

<b>Certified MACE</b> 561720 812503 811192 541611 533111 409999		Jettison Services Parking Lots and Garages Car Washes Administrative Management and General Management Consulting Passenger Car Rental All Other Transit and Ground Passenger Transportation
<b>Vendor Name:</b> <u>MORALE CONSULTING ENGINEERS INC.</u> <b>DBE Certification:</b> <u>CERTIFIED</u> <b>MBE Certification:</b> <u>Certified</u> <b>Business Description:</b> <u>ENGINEERING DESIGN CONSULTANT</u> <b>Former Name:</b> _____ <b>Mailing Address:</b> <u>3677 CATHEDRAL CIRCLE N</u> <u>JACKSONVILLE, FL 32217</u> <b>Contact Name:</b> <u>ED MORALES JR</u> <b>Phone:</b> <u>(904) 434-4366</u> <b>Fax:</b> _____ <b>Email:</b> <u>ED.MORALES@MORALE-CE.COM</u> <b>ACDBE Status:</b> <u>N</u> <b>Statewide Availability:</b> <u>Y</u> <b>Certified MACE</b> <u>541330</u> <b>Engineering Services</b>		
<b>Vendor Name:</b> <u>MORROW N Y INC</u> <b>DBE Certification:</b> <u>CERTIFIED</u> <b>MBE Certification:</b> <u>Former Name:</u> _____ <b>Business Description:</b> <u>ARCHITECTURAL SERVICES</u> <b>Mailing Address:</b> <u>518 E 6TH ST</u> <u>CHICAGO, IL 60607</u>		



**Florida Department of Transportation**  
 605 Suwannee Street  
 Tallahassee, FL 32399-0450

**RICK SCOTT**  
GOVERNOR

**MIKE DEW**  
SECRETARY

January 19, 2018

Mr. Errol Kalayci, President  
 Keith And Schinars, P.A.  
 6500 N. Andrews Ave.  
 Ft. Lauderdale, FL 33309

Dear Mr. Kalayci:

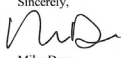
I want to thank you personally for your conscientious efforts during the 2016-2017 federal fiscal year (FFY) to use Disadvantaged Business Enterprises (DBEs) on Department of Transportation funded projects. The State of Florida achieved 12.05% on federally funded projects exceeding the 9.91% DBE goal established for the 2016-2017 FFY.

Your company was instrumental in the achievement of the state's goal. **The actual percentage reported for your company is 14.70% on 14 project(s). This results in a DBE utilization grade of A.**

Your efforts are commendable and show a commitment to being a supportive partner in our efforts to ensure minority and female owned firms have the opportunity to obtain work on transportation projects in Florida. I encourage you to continue with these efforts that not only strengthen the overall economy of the State, but also strengthen the transportation industry.

If the Department can provide you with any assistance in the DBE Program, please contact Terry Watson, State DBE Program Coordinator, at (850) 414-4763 or [terry.watson@dot.state.fl.us](mailto:terry.watson@dot.state.fl.us). Also, you can visit the EEO website at [www.fdot.gov/equalopportunity](http://www.fdot.gov/equalopportunity) to view the 2015-2016 federal fiscal year grading scale and reporting criterion.

Thank you again.

Sincerely,  
  
 Mike Dew  
 Secretary

MD:twv

[www.fdot.gov](http://www.fdot.gov)

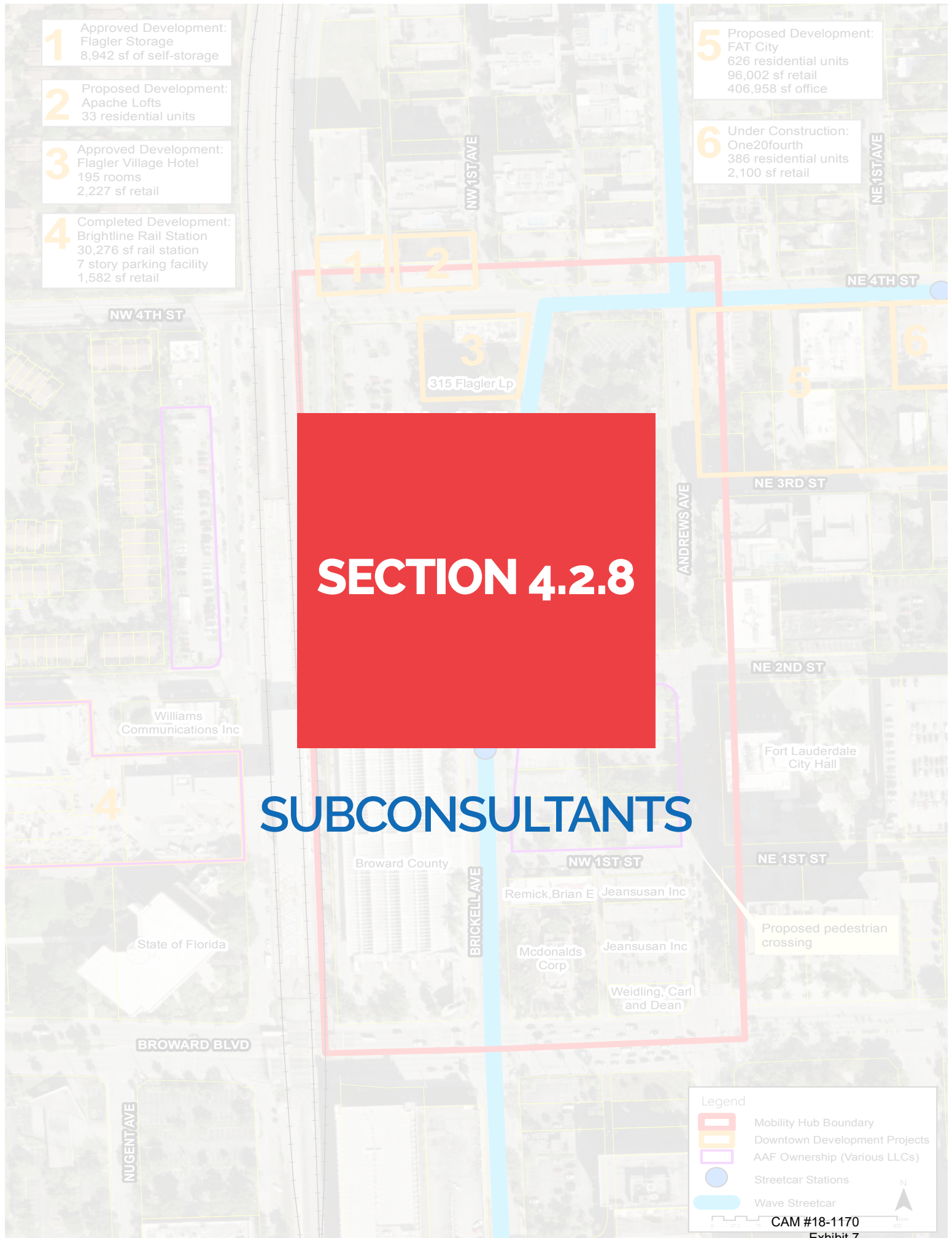


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2,227 sf retail
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7 story parking facility  
1,582 sf retail

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FAT City  
626 residential units  
96,002 sf retail  
406,958 sf office
- 6** Under Construction:  
One20fourth  
386 residential units  
2,100 sf retail

# SECTION 4.2.8

## SUBCONSULTANTS



**Legend**

- Mobility Hub Boundary
- Downtown Development Projects
- AAF Ownership (Various LLCs)
- Streetcar Stations
- Wave Streetcar

0 37.5 75 150 Feet

**CAM #18-1170**  
Exhibit 7  
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## 4.2.8 - Subconsultants

### T.Y. Lin International

#### TY·LIN INTERNATIONAL

T.Y. Lin International (TYLI) is an internationally recognized, full-service, multi-disciplined, engineering firm that provides infrastructure planning, design, program management and construction management services to Client's throughout world.

The organization's corporate office is located in San Francisco, California – its original location and headquarters for over 50 years. In addition, TYLI has major production offices with significant technical resources at locations 32 offices throughout the United States. TYLI is recognized for its excellence in aviation throughout North America as well as Latin America and the Caribbean. TYLI's Aviation Services Practice provides an usually wide range of highly specialized expertise related to airside, land-side and terminal facilities for airports ranging from major international air carrier airports to smaller regional airports and general aviation facilities.

For TYLI engineers, understanding the complexities of the construction process is invaluable in guiding clients through the most critical phase of project development. Following time-tested and proven engineering and inspection practices, we have been involved in successfully bringing many of the world's most challenging infrastructure construction projects to fruition. We maintain and document communication, manage project schedules, track and monitor permit compliance, ensure the quality of materials and the final product meets the project's construction documents, and assume fiduciary responsibilities for our clients.

### Terracon Consultants, Inc.

#### Terracon

Terracon Consultants, Inc. (Terracon) is a 100 percent employee-owned consulting engineering firm

providing quality services to clients. Since 1965, Terracon has evolved into a successful multi-discipline firm specializing in Environmental, Geotechnical, Facilities and Materials.

Terracon began as Soil Testing Services of Iowa, Inc. in April 1965. In 1980, the company was renamed Terracon Consultants, Inc. and moved to the Kansas City metropolitan area. Over its history, Terracon has achieved significant expansion through both internal growth and acquisitions. Nodarse & Associates, Inc. and Dunkelberger Engineering & Testing, Inc. joined Terracon in 2011 and 2013, respectively. With more than 4,000 employees in over 150 offices nationwide, Terracon has a 12-office network in the State of Florida. With the strength of our firm and our existing operations, Terracon has a tremendous presence and broad scope of knowledge throughout Florida and nationwide.

The firm's success is further evidenced by a current ranking of 30 in Engineering News-Record's 2017 listing of the Top 500 Design Firms, as compared to a ranking of 50 a decade ago. Terracon's growth is due to dedicated employees who are responsive to clients, provide quality services, and take advantage of opportunities in the marketplace.

Terracon provides services on thousands of projects each year. Their culture, systems, and structure enable them to excel at both small and large projects. By combining national resources with specific local area expertise, they consistently overcome obstacles and deliver the results that clients expect.

Terracon serves a diverse portfolio of private and public clients. By being responsive, resourceful, and reliable, they strive to exceed our clients' expectations for service, solutions, quality, and speed of delivery. Based on a deep understanding of clients' needs, Terracon's commitment is centered around these key objectives.

## 4.2.8 - Subconsultants

### STV Incorporated



Established in 1912, STV Incorporated (STV) is a leading multidisciplinary engineering, architectural, planning, environmental, and construction management firm with 1,875 personnel in 40 offices. The firm has the depth and breadth of resources and services to staff programs from master planning and preliminary site investigations and analyses through conceptual development, final design, and construction implementation. STV has provided these services on a variety of projects throughout the country in major market areas including transportation, environmental, infrastructure and planning, construction-related services, buildings and facilities, and industrial and technical services.

For more than 40 years, STV's Transportation & Infrastructure Division has served the transportation industry, meeting the needs of clients and the traveling public through planning, design, and construction of major transportation projects. STV has earned their national reputation as a leader in the transportation and infrastructure industries by providing high-quality service; an integrated, multidisciplinary approach; exceptional project experience; and veteran project managers and principals. STV is consistently ranked among the top consulting firms by Engineering News-Record (ENR). STV ranks 40th overall in ENR's list of the Top 500 Design Firms, 13th in Top 25 in Bridges, and 11th in Top 50 in Transportation. ENR also lists STV as number 19 in the Top 25 in Highways, number 8 in the Top 25 in Mass Transit and Rail, and number 20 in the Top 100 "Pure" Designers.

Their Transportation & Infrastructure Division melds all aspects of transportation and infrastructure lan-

ning, design, and construction/program management, including design-build. STV's wide-ranging transportation assignments encompass all types of bridge, highway, rail, bus, freight, and aviation facilities, as well as the full range of transportation infrastructure. They are able to shape each project from initial planning through design and construction.

### Morales Consulting Engineers, Inc.



Morales Consulting Engineers, Inc. (MCE) established in 2014 has had the opportunity to provide professional engineering services for a variety of structural projects. But more importantly is the experience that the Morales's bring to the company. Ed J. Morales, Sr. has over 50 years of professional engineering experience. Eduardo J. Morales, Jr. brings an additional 30 years of experience. Most of the Professional Engineering experience has been providing Structural, Design & Inspection for mostly Public Clients including the FDOT, US Army Corps of Engineers, US Department of Defense, Counties and Cities throughout Florida. MCE's services as prime or sub-consultant have always lead to additional opportunities with the clients. They have had the opportunity to provide Professional services to the Florida's Department of Environmental Protection. These assignments in stream restoration, adaptive reuse of abandoned facilities and restoration of recreational facilities have made MCE a leader in environmental facility sustainability. MCE is a minority owned Business operating as a corporation in the State of Florida, certified by the FDOT as a DBE, and are licensed by the Florida Board of Professional Engineers. They currently have 2 full time staff and 3 additional Professional Engineers under Contract.



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FAT City  
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**6** Under Construction:  
One20fourth  
386 residential units  
2,100 sf retail

## SECTION 4.2.9

## REQUIRED FORMS

Legend

- Mobility Hub Boundary
- Downtown Development Projects
- AAF Ownership (Various LLCs)
- Streetcar Stations
- Wave Streetcar

0 37.5 75 150 Feet

CAM #18-1170

Exhibit 7

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## 4.2.9 - Required Forms

### Statement of Qualification Certification

City of Fort Lauderdale  
CEI Services for Downtown Mobility Hub  
RFQ# 12135-986

#### STATEMENT OF QUALIFICATION CERTIFICATION

**Please Note:** All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the department of state, in accordance with Florida Statute §607.1501 (visit <http://www.dos.state.fl.us/> ).

Company: (Legal Registration) Keith & Schnars, P.A.

Address: 6500 North Andrews Avenue

City: Fort Lauderdale State: Florida Zip: 33309

Telephone No. (954) 776-1616 FAX No. (954) 771-7690 Email: jgomez@ksfla.com

Does your firm qualify for MBE or WBE status: MBE        WBE       

**ADDENDUM ACKNOWLEDGEMENT** - Proposer acknowledges that the following addenda have been received and are included in the proposal:

<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>
<u>1</u>	<u>4/24/18</u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

**VARIANCES:** State any variations to specifications, terms and conditions in the space provided below or reference in the space provided below all variances contained on other pages of bid, attachments or bid pages. No variations or exceptions by the Proposer will be deemed to be part of the bid submitted unless such variation or exception is listed and contained within the bid documents and referenced in the space provided below. If no statement is contained in the below space, it is hereby implied that your bid/proposal complies with the full scope of this solicitation. If this section does not apply to your bid, simply mark N/A. **If submitting your response electronically through BIDS SYNC you must click the exception link if any variation or exception is taken to the specifications, terms and conditions.**

N/A

The below signatory hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid/proposal. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this bid/proposal. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a response, hereby agrees that in no event shall the City's liability for respondent's indirect, incidental, consequential, special or exemplary damages, expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of five hundred dollars (\$500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

Submitted by:

Joe L. Gómez, P.E.

Name (printed)

04/30/2018

Date:

  
Signature

Senior Vice President of Engineering

Title

# 4.2.9 - Required Forms

## Non-Collusion Statement

City of Fort Lauderdale  
CEI Services for Downtown Mobility Hub  
RFQ# 12135-986

### NON-COLLUSION STATEMENT

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

- 3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

<u>NAME</u>	<u>RELATIONSHIPS</u>
N/A	

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.

## 4.2.9 - Required Forms

### Local Business Preference

City of Fort Lauderdale  
CEI Services for Downtown Mobility Hub  
RFQ# 12135-986

#### LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the local BUSINESS preference classification as indicated herein, and further certifies and agrees that it will re-affirm it's local preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this ITB. Violation of the foregoing provision may result in contract termination.

- (1) \_\_\_\_\_ is a **Class A** Business as defined in City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the City of Fort Lauderdale current year Business Tax Receipt and a complete list of full-time employees and their addresses shall be provided within 10 calendar days of a formal request by the City.  
Business Name
- (2) \_\_\_\_\_ is a **Class B** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the Business Tax Receipt or a complete list of full-time employees and their addresses shall be provided within 10 calendar days of a formal request by the City.  
Keith & Schnars  
Business Name
- (3) \_\_\_\_\_ is a **Class C** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the Broward County Business Tax Receipt shall be provided within 10 calendar days of a formal request by the City.  
Business Name
- (4) \_\_\_\_\_ requests a **Conditional Class A** classification as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.  
Business Name
- (5) \_\_\_\_\_ requests a **Conditional Class B** classification as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.  
Business Name
- (6) \_\_\_\_\_ is considered a **Class D** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. and does not qualify for Local Preference consideration.  
Business Name

BIDDER'S COMPANY: Keith & Schnars

AUTHORIZED COMPANY PERSON: Joe L. Gómez, P.E.

NAME

SIGNATURE

04/30/2018

DATE



## 4.2.9 - Required Forms

### Contract Payment Method

City of Fort Lauderdale  
CEI Services for Downtown Mobility Hub  
RFQ# 12135-986

#### CONTRACT PAYMENT METHOD BY P-CARD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to payment by credit card via MasterCard or Visa. This allows you as a vendor of the City of Fort Lauderdale to receive your payment fast and safely. No more waiting for checks to be printed and mailed.

In accordance with Article 7, item 7.4.3 of the consultant agreement attached herein, payments for all services will be made utilizing the City's P-Card program (MasterCard or Visa). Accordingly, firms must presently have the ability to accept credit card payment or take whatever steps necessary to implement acceptance of a credit card before the commencement of the agreement.

Please indicate with which credit card you prefer to be paid:

☒ Master Card

☒ Visa Card

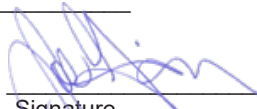
Company Name: Keith & Schnars

Joe L. Gómez, P.E.,

Name (printed)

04/30/2018

Date:





Signature



Senior Vice President of Engineering

Title

## 4.2.9 - Required Forms

### Sample Insurance Certificate

 <b>SCHEDULE OF INSURANCE</b> 					
Coverage	Policy Period	Policy Number	Deductible/ Retention	Insurer	Limit
Professional Liability	03/01/18 - 03/01/19	AEH006091227	\$150,000	Continental Casualty Company (CNA)	\$2,000,000 - Per Claim \$4,000,000 - Aggregate
Directors & Officers (D&O) / Employment Practices Liability (EPL) / Fiduciary Liability / Crime/CyberRisk	03/01/18 - 03/01/19	106471551	\$15,000 - EPL \$10,000 - D&O \$0 - Fiduciary \$5,000 - Crime \$5,000 - CyberRisk	Travelers Casualty and Surety Company of America	<u>D&amp;O / EPL / Fiduciary:</u> \$1,000,000 - Per Claim \$1,000,000 - Aggregate  <u>Crime:</u> \$500,000  <u>CyberRisk:</u> \$1,000,000
General Liability	03/01/18 - 03/01/19	5180214	GL: \$0 EBL: \$1,000	National Union Fire Insurance Company (AIG)	\$1,000,000 - Each Occurrence \$2,000,000 - General Aggregate \$2,000,000 - Products & Completed Ops Aggregate \$1,000,000 - Personal & Advertising Injury \$10,000 - Medical Payments (Any one person) \$300,000 - Damage to Premises Rented To You Employee Benefits Liability: \$1,000,000 - Each Employee \$1,000,000 - Aggregate
Automobile (Composite/Fleet Rated)	03/01/18 - 03/01/19	2961640	Comprehensive: \$1,000 Collision: \$1,000	National Union Fire Insurance Company (AIG)	\$1,000,000 - Combined Single Limit (CSL) \$1,000,000 - Hired & Non-Owned \$5,000 - Medical Payments

 <b>SCHEDULE OF INSURANCE</b> 					
Coverage	Policy Period	Policy Number	Deductible/ Retention	Insurer	Limit
Workers Compensation & Employers Liability	03/01/18 - 03/01/19	12015939	\$0	National Union Fire Insurance Company (AIG)	Statutory Limits: FL  <u>Employers Liability:</u> \$1,000,000 - Each Accident \$1,000,000 - Policy Limit \$1,000,000 - Each Employee
Umbrella	03/01/18 - 03/01/19	ZUP-15T76430-18-NF	\$10,000	Travelers Insurance Company	\$5,000,000 - Each Occurrence \$5,000,000 - General Aggregate



6500 North Andrews Ave.  
Fort Lauderdale, FL 33309  
Phone: (954) 776-1616  
Fax: (954) 771-7690  
[www.ksfla.com](http://www.ksfla.com)



**THANK  
YOU.**