



**WIND MITIGATION & RE-ROOFING**



**FIRE STATIONS**



**CITY COMPLEXES**



**RECREATIONAL FACILITIES**

**RESPONSE TO RFQ # 946-11366**

**A CONTINUING CONTRACT FOR STRUCTURAL ENGINEERING SERVICES**

SUBMITTED TO:

**CITY OF FORT LAUDERDALE  
PROCUREMENT SERVICES DEPARTMENT  
100 N. Andrews Avenue, 6<sup>th</sup> Floor  
Fort Lauderdale, FL 33301**



SUBMITTED BY:



**LAKDAS/YOHALEM ENGINEERING, INC.**  
**Consulting Engineers**  
2211 N.E. 54<sup>th</sup> Street  
Fort Lauderdale, Fl. 33308  
Office: (954) 771-0630 Fax: (954) 771-0519



**STRUCTURAL RESTORATION**



**BRIDGES**



**SEAWALLS**



**MARINAS**



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February 21, 2014

City of Fort Lauderdale  
Procurement Services Division  
Ronald Archey, Procurement Specialist  
100 N. Andrews Avenue, 6<sup>th</sup> Floor  
Fort Lauderdale, Fl. 33301



Ft. Lauderdale, City parking Garage

**RE: RFQ # 946-11366 – A Continuing Contract for Structural Engineering Services**

Dear Mr. Archey,

Lakdas/Yohalem Engineering, Inc. is pleased to present this Request for Letter of Interest to offer our structural engineering services to the City of Fort Lauderdale.

Lakdas/Yohalem Engineering, Inc has been practicing structural, marine, and bridge engineering services for many state, county and city agencies in support of high visible and miscellaneous public projects, for the last 44 years in Fort Lauderdale Florida. We have performed similar structural engineering services for various public entities such as:

Services:

- A. New and Renovation of Building Structures: Fire Stations, Community Centers, Libraries, Police Stations, Public Works Maintenance Facilities, and Operational Complexes.
- B. Park Facilities such as Meeting Rooms, Picnic Shelters, Restroom Facilities, Corporate Picnic Pavilions, Beach Lifeguard and Rescue Facilities.
- C. Marinas, Seawalls and Fishing Piers
- D. Highway and Pedestrian Bridges, Culvert structures
- E. 40 Year Certification of existing facilities
- F. Re-roofing, Condition Survey and Design for New Roof Systems
- G. Threshold and Special Inspection services for building and special structures during construction
- H. Structural Condition Surveys of building structures prior to city acquiring
- I. Condition Survey and Renovations of Existing Utility Structures
- J. Value Engineering and Constructability Reviews of Projects Designed by other Consultants
- K. Wind Mitigation of existing building facilities
- L. Hurricane hardening of existing facilities
- M. C.R.A., residential buildings to comply building code requirement



Entities:

- City of Fort Lauderdale
- City of Hollywood
- City of Tamarac
- Four Dept. of Broward County
- City of Lauderhill
- City of Pompano Beach

Lakdas/Yohalem Engineering, Inc. (L.Y.E) is a **certified masonry and threshold inspection engineering firm**. Additionally, we have three professional engineers, three graduate engineers, four certified threshold inspectors, and two AutoCAD operators, in order to effectively handle the conditions surveying, design, and construction phase engineering services, for this contract.

**L.Y.E is a Minority Business certified by Broward County School Board and by the State of Florida and CBE firm by Broward County.**

Our office and team members Tierra of South Florida, Inc office's are situated less than 7 miles from the City Complex in the City of Fort Lauderdale. LYE has up to date state of the art software with B.I.M. (Revitt and Auto Cad) system to provide efficient and detail oriented engineering services, with well experienced technical staff of who are professional engineers as well as with general contractors back ground with extensive experience in South Florida with in-depth knowledge of Florida building code with Broward County requirement.

L.Y.E has performed similar requested structural engineering services in the past for the City of Fort Lauderdale.

We will assure you that Lakdas/Yohalem Engineering, Inc.'s Team will provide you with a good standard of structural, and marine engineering services for the City of Fort Lauderdale, within the established budget, and in a timely manner.

Sincerely,

Lakdas Nanayakkara P.E.  
#37590



BID/PROPOSAL SIGNATURE PAGE

How to submit bids/proposals: Proposals must be submitted by hard copy only. It will be the sole responsibility of the Bidder to ensure that the bid reaches the City of Fort Lauderdale, City Hall, Procurement Services Division, Suite 619, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, prior to the bid opening date and time listed. Bids/proposals submitted by fax or email will NOT be accepted.

The below signed 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. 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.

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

Submitted by: [Signature] (signature) 2-21-14 (date)

Name (printed) Lakdas Nanayakkara Title: President

Company: (Legal Registration) Lakdas/Yohalem Engineering, Inc.

**CONTRACTOR, IF FOREIGN CORPORATION, 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/>).**

Address: 2211 NE 54th Street

City Fort Lauderdale State: FL Zip 33308

Telephone No. 954-771-0630 FAX No. 954-771-0519 Email: lye@lyengineering.com

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions): \_\_\_\_\_

Payment Terms (section 1.04): \_\_\_\_\_ Total Bid Discount (section 1.05): \_\_\_\_\_

Does your firm qualify for MBE or WBE status (section 1.09): MBE  WBE \_\_\_\_\_

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

Addendum No. Date Issued

**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. **HAVE YOU STATED ANY VARIANCES OR EXCEPTIONS BELOW? BIDDER MUST CLICK THE EXCEPTION LINK IF ANY VARIATION OR EXCEPTION IS TAKEN TO THE SPECIFICATIONS, TERMS AND CONDITIONS.** If this section does not apply to your bid, simply mark N/A in the section below.

Variences: \_\_\_\_\_





**STRUCTURAL ENGINEERING DESIGN & THRESHOLD INSPECTION EXPERIENCE**

**LIST OF MUNICIPAL COMPLEXES  
PERFORMED BY: LAKDAS/YOHALEM ENGINEERING, INC.**

- City of Tamarac
- City of Boynton Beach
- City of Aventura
- City of Lighthouse Point
- City of Lauderdale
- Lauderdale Municipal Complex
- Aventura Municipal Complex
- Tamarac Municipal Complex
- Boynton Beach Municipal Complex
- Lighthouse Point Municipal Complex
- 1 University Drive Municipal Complex, Plantation
- Broward County Courthouse, Broward County



**LIST OF POLICE/FIRE STATIONS  
PERFORMED BY: LAKDAS/YOHALEM ENGINEERING, INC.**

- Lauderdale Lakes Fire Station 43<sup>rd</sup> Avenue
- Lauderdale Lakes Fire Station #37
- Fire Station #71 - Coral Springs
- Pompano Beach Fire Station #2
- Fire Station #47 - City of Fort Lauderdale
- Ramblewood Fire Station #64
- Fire Station # 5 - City of Plantation
- Fire Station #26 - Port Everglades
- Fire Station #110 City of Lauderdale
- Fire Station # City of Boynton Beach
- Police Station, City of Lauderdale
- Police Station Improvements, City of Fort Lauderdale
- Fire Station # 4, City of Tamarac



**LIST OF SOLID WASTE/WATER TREATMENT PROJECTS  
PERFORMED BY: LAKDAS/YOHALEM ENGINEERING, INC.**

- Solid Waste Authority West Palm Beach - Compost Facility A
- Solid Waste Authority West Palm Beach - Compost Facility B
- Solid Waste Authority West Palm Beach Resource Recovery Plant
- Solid Waste Authority West Palm Beach - Lantana Transfer Station Renovation
- Solid Waste Authority West Palm Beach - Belle Glades Transfer Station
- Ferrous Processing Trading - Miami
- Ferrous Processing Trading Plant Expansion
- Mississippi Aircraft Recycle Plant
- Victorville Aircraft Recycle Plant - California
- Sun Recycle Plant - Pompano Beach
- US Foundry - Miami
- Motorola Plant - Plantation
- Dade County Solid Waste Authority Renovation and Restoration - Medley
- South Florida Recycling Facility - Pompano Beach
- Water Treatment Plant, City of Hollywood
- Water Treatment Plant, City of Pompano





**LIST OF LIBRARIES**  
**PERFORMED BY: LAKDAS/YOHALEM ENGINEERING, INC.**

- Broward County Main Library 7<sup>th</sup> Floor Learning Lab
- African American Library - Broward County
- Sunset Strip Neighborhood Library
- Lighthouse Point Library
- Lauderdale Lakes Library
- City of Boynton Beach Library
- Palm Beach Community Library
  1. Lake Worth
  2. PGA Blvd.
- Broward Community Library
- Davie Campus
- Coconut Creek Campus

**LIST OF EMERGENCY GENERATOR PROJECTS**  
**PERFORMED BY: LAKDAS/YOHALEM ENGINEERING, INC.**

- FDOT District 4 Complex, Fort Lauderdale
- City of Hollywood Water Treatment Plant (Two Facilities)
- City of Lauderhill Water Treatment Plant (Two Facilities)
- City of Lauderdale Lakes
- Broward County Port Everglades (Four Facilities)
- Over Twenty Condominium Facilities
- Broward General Hospital (Three Facilities)
- Over Fifty Residential Facilities
- Plantation Mall Facility
- Over Forty Commercial Facilities
- Motorola Facility, Plantation Florida

**LIST OF PARKS**  
**PERFORMED BY: LAKDAS/YOHALEM ENGINEERING, INC.**

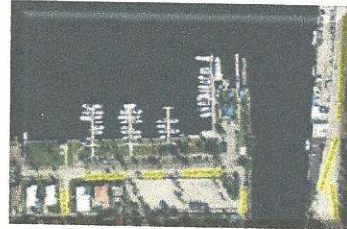
- Blvd. Heights Community Center - West Sports Park
- Athalie Range Park
- Frost Park Restroom Renovation
- Veteran's Park - City of Lauderhill
- Boat & Dock Ramp - City of Margate (Veteran's Park)
- Renovations to Fishing Pier at Hillsboro, City of Pompano Beach
- Air Park, City of Pompano Beach
- Long Key Nature Center
- Westgate Park
- Vistaview Park Expansion
- Lauderhill Park
- Hillsboro Inlet Park, City of Pompano Beach
- Riverland Park
- Community Park Playground, City of Pompano Beach
- Plantation Central Park
- Pet Park in Aventura
- Pompano Beach Safety Faculty
- Quiet Waters Picnic Shelter





**LIST OF MARINA PROJECTS**  
**PERFORMED BY: LAKDAS/YOHALEM ENGINEERING, INC.**

- Southport Headwall
- Seawall Study in Aventura
- Dock Support at Warwick Condo
- Yacht Club Seawall Repair
- Boat and Dock Ramp at City of Margate
- Bulkhead Cladding at Port Everglades
- Seawall at Odabashian Residence
- Hollywood Marina Piers – B,C,D
- Sundance Marina
- The Boathouse of Fort Lauderdale
- Cable Marina (New Marina)
- Shea Seawall
- Seawall at City of Lauderhill
- Convention Center Seawall Review
- Seawall at North Miami River



**LIST OF AIRPORT PROJECTS**  
**PERFORMED BY: LAKDAS/YOHALEM ENGINEERING, INC.**

- Fort Lauderdale Airport Threshold Inspection Services General Engineering Services Ongoing Bases
- Fort Lauderdale Airport (Baggage Screening Building Expansion)
- Fort Lauderdale Airport Chiller Support: Terminal 2
- Fort Lauderdale Airport Chiller Support: Terminal 3
- Fort Lauderdale Airport Chiller Support: Terminal 4
- Throat Expansion Concourse: Concourse "F"
- Throat Expansion Concourse: Concourse "G"
- Throat Expansion Concourse: Concourse "H"
- Maintenance Building: Design & Threshold Inspection Services
- New Infield Hibiscus Parking Garage: Value Engineering Study Constructability Review Threshold Inspections Cargo Handling Building: Threshold Inspection

Lakdas/Yohalem Engineering, Inc. has been incorporated since November 9, 1987 and has been located at the same location for the past 24 years. Our company information is as follows:

**Lakdas/Yohalem Engineering, Inc.**

2211 N.W 54<sup>th</sup> Street

Fort Lauderdale, Florida 33308

Phone: 954-771-0630

Fax: 954-771-0519

Email: [lye@lyengineering.com](mailto:lye@lyengineering.com)

**Prime Contact:** Lakdas Nanayakkara, P.E.



# ARCHITECT – ENGINEER QUALIFICATIONS

## PART I - CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

RFQ- A Continuing Contract for Structural Engineering Services

2. PUBLIC NOTICE DATE

2/10/2014

3. SOLICITATION OR PROJECT NUMBER

RFQ # 946-11366

### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Lakdas Nanayakkara - President

5. NAME OF FIRM

Lakdas/Yohalem Engineering, Inc.

6. TELEPHONE NUMBER

954-771-0630

7. FAX NUMBER

954-771-0519

8. E-MAIL ADDRESS

lye@lyengineering.com

### 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	JV PARTNER	SUBCON-TRACTOR			
a.	√			Lakdas/Yohalem Engineering, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	2211 NE 54 <sup>th</sup> Street Fort Lauderdale, Fl. 33308	Prime Consultants Structural Engineering
b.			√	Tierra of South Florida <input type="checkbox"/> CHECK IF BRANCH OFFICE	2209B NE 54 <sup>th</sup> Street Fort Lauderdale, Fl. 33308	Geotechnical and Testing Services
c.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

√ (Attached)



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

(Complete one Section E for each key person.)

<b>12. NAME</b> Lakdas Nanayakkara, P.E.	<b>13. ROLE IN THIS CONTRACT</b> Project Manager	<b>14. YEARS EXPERIENCE</b>	
		<small>a. TOTAL</small> 35	<small>b. WITH CURRENT FIRM</small> 25
<b>15. FIRM NAME AND LOCATION (City and State)</b> Lakdas/Yohalem Engineering, Inc.			
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b> Post Graduate Diploma in Structural Engineering Bachelor of Science Honors Degree in Civil Engineering With Structural Engineer Major		<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b> Structural/Civil Engineer Florida #037590 Certified Structural Masonry Inspector Certified Uniform Building Code Inspector Certified General Contractor Certified Threshold Inspector	
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b> Structural Engineering Expert for Unsafe Structure Board – City of Margate since “ 2001”.			

**19. RELEVANT PROJECTS**

	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<p><b>(1) TITLE AND LOCATION (City and State)</b> Fire Station #71, Coral Springs Coral Springs, Florida</p> <p><b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input type="checkbox"/> Check if project performed with current firm</p> <p><u>Description:</u> Renovation and addition to existing Fire Station <u>Size:</u> Project Site Size= 6500 Sq. Ft. <u>Cost of Project:</u> \$ 1.2 Million Dollars <u>Scope of Work:</u> Civil and Structural Engineering, Engineer of Record</p>	2008	N/A
<p><b>(1) TITLE AND LOCATION (City and State)</b> Lauderdale Lakes Library – City of Lauderdale Lakes, FL</p> <p><b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input type="checkbox"/> Check if project performed with current firm</p> <p><u>Description:</u> The existing city library at the city complex to be converted into an office facility for the use of the city’s building and risk management departments. <u>Cost:</u> \$75,000 . <u>Scope:</u> Structural renovation and hurricane hardening of the existing library</p>	2008	N/A
<p><b>(1) TITLE AND LOCATION (City and State)</b> 56th Avenue Public Safety Training / Public Safety Building, Hollywood FL.</p> <p><b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input type="checkbox"/> Check if project performed with current firm</p> <p><u>Description:</u> New Public Safety Complex. (Maintenance/ Fire Training) fire station and beach rescue facility. <u>Size:</u> 19,000 sq. ft. <u>Cost of Project:</u> 11,000,000.00 <u>Scope of Work:</u> Value construction building review services. Special inspection services. Trouble shooting and construction phase engineering services. Final certification of the project.</p>	2009	N/A
<p><b>(1) TITLE AND LOCATION (City and State)</b> West Wind Park Community Center - City of Lauderhill Lauderhill, Florida</p> <p><b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input type="checkbox"/> Check if project performed with current firm</p> <p><u>Description:</u> Park Community Center Renovation and Addition <u>Size:</u> Project Site Size = 2500 sq. ft. <u>Cost:</u> \$ 4,000.00 <u>Scope:</u> Structural, Civil, Electrical &amp; Mechanical Engineering</p>	2010	N/A



(1) TITLE AND LOCATION (City and State) FP&L Bridge Canal - Eller Drive, Port Everglades, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2006	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <u>Description:</u> Design new bridge over the FP&L Canal at Eller Drive, Port Everglades with the least disruption to the floor of the cooling tower water discharge canal. Also considered additional heavy load for usage of large mobile crane and port cargo. Bridge was built with FDOT type III beams with 10inch thick concrete slab with durability. Special consideration was given to low maintenance. Construction was programmed such that during bridge construction least distraction to the manatees and nearby manatee nest. <u>Cost:</u> \$4.5million <u>Scope:</u> Design new bridge with 6 lanes to accommodate all port traffic including mobile cranes.		
(1) TITLE AND LOCATION (City and State) City of Pompano Beach Pier- Pompano Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2004	CONSTRUCTION (If applicable) 2007
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <u>Description:</u> The existing pier in Pompano Beach was built with pre-cast concrete driven piles poured in place, concrete bent beams and pre-stress concrete deck slab span between bends leaving 3'-0 wide wood deck between pre-stress concrete deck. <u>Size:</u> The 684' long 14' wide pier had been repaired a number of times. Lakdas/Yohalem Engineering, Inc. provided engineering services for the restaurant addition, new observation tower addition and major restoration work in 1989. <u>Cost:</u> \$2 million <u>Scope:</u> Structural evaluation of the existing pier, preparation of construction documents, design and construction observation. Compiled a structural survey of the pier and complete life cycle cost analysis for restoration against replacement. A structural survey was completed in 2000 and a 2 <sup>nd</sup> phase of construction document preparation was completed in 2001. Restoration work was successfully completed in 2002.		
(1) TITLE AND LOCATION (City and State) Hollywood Marina Docks B, C and D Repairs, Hollywood FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <u>Description:</u> Structural Engineering & Inspection Services <u>Cost:</u> \$380,000. <u>Scope:</u> <ul style="list-style-type: none"> <li>• Structural condition survey of existing Marina</li> <li>• Life cycle cost and replacement study</li> <li>• Prepare construction documents for replacement of existing Marina</li> <li>• Obtain necessary Army Corp &amp; D.N.R.P permit</li> <li>• Construct observation during construction</li> </ul>		
(1) TITLE AND LOCATION (City and State) Port Everglades Bulkhead Wall Broward County, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2005	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <u>Description:</u> Structural Engineering & Inspection Services <u>Size:</u> Five and a half mile long steel sheet pile bulkhead wall <u>Cost:</u> 7 million <u>Scope:</u> Performed structural condition survey, preliminary design and construction observation		



(1) TITLE AND LOCATION <i>(City and State)</i> Repair & Replacement of existing roofing system of 11 buildings at Port Everglades, Fort Lauderdale, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
<p><u>Project:</u> Repair and replacement of existing roofing system of 11 buildings at Port Everglades.</p> <p><u>Description:</u> Soon after hurricane Wilma in October 2005, Broward County requested Lakdas/Yohalem Engineering to evaluate the extent of the damage and roof soundness of each building and make recommendations for each building, total of 11 buildings. Establish a construction budget for replacement and repair of each roof. Resulting in roof replacement of a total of 11 buildings. Several roofing systems were considered. The final was a built-up roofing system with torch-down system, since each building is in operation during the entire construction period.</p> <p><u>Cost:</u> \$6,700,000.</p> <p><u>Scope:</u> Prime consultant design of the entire project and provide full time inspection services during roof replacement of each building.</p>		

(1) TITLE AND LOCATION <i>(City and State)</i> Condition Survey at Bank Atlantic Building, Lauderhill FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
<p><u>Description:</u> Structural Condition Survey</p> <p><u>Size:</u> 5 story, 37,000ft.</p> <p><u>Cost:</u> \$100,000</p> <p><u>Scope of Work:</u> 40 Year Certification along with structural condition survey and cost estimate of corrective work.</p>		



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

(Complete one Section E for each key person.)

<b>12. NAME</b> Zuahir Jalloul	<b>13. ROLE IN THIS CONTRACT</b> Project Engineer	<b>14. YEARS EXPERIENCE</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">a. TOTAL 33</td> <td style="width:50%; text-align: center;">b. WITH CURRENT FIRM 16</td> </tr> </table>		a. TOTAL 33	b. WITH CURRENT FIRM 16
a. TOTAL 33	b. WITH CURRENT FIRM 16				
<b>15. FIRM NAME AND LOCATION (City and State)</b> Lakdas/Yohalem Engineering, Inc.					
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b> B.S. Civil Engineering University of Tennessee, 1977		<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b> State of Florida #35416			
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b> American Society of Civil Engineers					

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a. <b>(1) TITLE AND LOCATION (City and State)</b> Suncoast High School – Riviera Beach, Florida  <b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Description: 345,000 sq. ft. High School Facility with auditorium. 3 story classroom buildings, total of 9 buildings Cost: \$81, Million Dollars Scope of Work: Structural Engineer if Record Design and Consultant Administration Services	2009	N/A
<input type="checkbox"/> Check if project performed with current firm		
b. <b>(1) TITLE AND LOCATION (City and State)</b> West Wind Park Community Center - City of Lauderhill Lauderhill, Florida  <b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Description: Park Community Center Renovation and Addition Size: Project Site Size = 2500 sq. ft. Cost: \$ 4,000.00 Scope of Work: Structural, Civil, Electrical & Mechanical Engineering	2010	N/A
<input type="checkbox"/> Check if project performed with current firm		
c. <b>(1) TITLE AND LOCATION (City and State)</b> Vista View Park Expansion  <b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Description: New Park Facility including building such as restrooms, security building and marina Size: Project Site Size = 4 buildings ,12,000 sq.ft., Fishing Pier with dock Cost: \$ 7.5 million dollars Scope of Work: structural Engineer of record. Pump station design and Inspection Services	2009	N/A
<input type="checkbox"/> Check if project performed with current firm		
d. <b>(1) TITLE AND LOCATION (City and State)</b> City of Lauderhill - New Municipal Complex Lauderhill, FL  <b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Description: When complete, this 4-story municipal office building will be the first LEED Silver City Hall in all of Broward, Dade, and Palm Beach counties. The new municipal complex is being constructed in the heart of the City's business district and will provide workspace environments for the offices of the Mayor, Commissioners and City Manager departments. In addition, it will include a 150-seat Commission Chamber with a pre-function area, which will be open to the community and civic events. Size: Project Site Size = 166,153 S.F.; Building Size = 43,605 S.F. Cost: Site/Foundation/Shell Package = \$5,056,638.00; New Municipal Complex = \$8,148,691.00 Scope of Work: Schematic Design / Construction Documents Cost Estimating	2008	N/A
<input type="checkbox"/> Check if project performed with current firm		



	(1) TITLE AND LOCATION (City and State) Fire Station #71, Coral Springs Coral Springs, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
e.	<u>Description:</u> Renovation and addition to existing Fire Station <u>Size:</u> Project Site Size= 6500 Sq. Ft. <u>Cost of Project:</u> \$ 1.2 Million Dollars <u>Scope of Work:</u> Civil and Structural Engineering , Engineer of Record		
	(1) TITLE AND LOCATION (City and State) Ramblewood Fire Station #64	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
f.	<u>Description:</u> Renovation and addition to existing Fire Station <u>Size:</u> Project Site Size= 6500 Sq. Ft. <u>Cost of Project:</u> \$ 1.2 Million Dollars <u>Scope of Work:</u> Civil and Structural Engineering , Engineer of Record		
	(1) TITLE AND LOCATION (City and State) Solid Waste Authority (SWA) Compost Facility "A" West Palm Beach, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2005	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
g.	<u>Description:</u> Three buildings 4500 sq.ft. each structural restoration and renovation to meet current Florida building code requirements. <u>Cost:</u> \$ 6.5 Million Dollars <u>Scope of Work:</u> Prime Consultant and Structural Engineer of record		
	(1) TITLE AND LOCATION (City and State) Ferros Process & Trading (F.P.T. Recycling Facility) Miami, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
h.	<u>Description:</u> Replace existing fire damage recycling plant with a new <u>Size:</u> Project Site = FPT Facility Miami: 3700 NW North River Rd <u>Cost:</u> 7.4 Million Dollars <u>Scope of Work:</u> Civil And Structural Engineer of Record Design and Inspection Services		
	(1) TITLE AND LOCATION (City and State) Veterans Park Community Center- City of Lauderhill Lauderhill, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2006	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
i.	<u>Description:</u> Renovation and Re-Roofing of the Parks Community Center <u>Cost</u> \$ 750,000. <u>Scope of Work:</u> Structural Engineering Design and Inspection Services		
	(1) TITLE AND LOCATION (City and State) Aventura Municipal Complex - Aventura, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 1998	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
i.	<u>Description:</u> 75,000 sq. ft. 6 story new city complex <u>Cost:</u> \$ 11.5 Million Dollars <u>Scope of Work:</u> Structural Engineering of record design and threshold inspection services		



**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

**21. TITLE AND LOCATION** *(City and State)*

Fire Station #71, Coral Springs  
Coral Springs, Florida

**22. YEAR COMPLETED**

PROFESSIONAL SERVICES  
2008

CONSTRUCTION *(if applicable)*  
N/A

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER  
CPZ Architects

b. POINT OF CONTACT NAME  
Chris Zimmerman

c. POINT OF CONTACT TELEPHONE NUMBER  
(954) 792-8525

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

**Description:** Renovation and addition to existing Fire Station

**Size:** Project Site Size 6500 Sq. Ft.

**Cost of Project:** \$ 1.2 Million Dollars

**Scope of Work:** Civil and Structural Engineering, Engineer of Record

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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Lakdas/Yohalem Engineering, Inc.	Fort Lauderdale, Florida	Civil and Structural Engineer of record and Threshold Inspector
b.			
c.			
d.			
e.			
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

**21. TITLE AND LOCATION** *(City and State)*

Lauderdale Lakes Library – City of Lauderdale Lakes

**22. YEAR COMPLETED**

PROFESSIONAL SERVICES  
2008

CONSTRUCTION *(if applicable)*  
N/A

**23. PROJECT OWNER'S INFORMATION**

**a. PROJECT OWNER**

City of Lauderdale Lakes

**b. POINT OF CONTACT NAME**

Mr. Robin Soodeen

**c. POINT OF CONTACT TELEPHONE NUMBER**

(954) 535-2758

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

**Description:** The existing city library at the city complex to be converted into an office facility for the use of the city's building and risk management departments.

**Cost:** \$75,000 .

**Scope:** Structural renovation and hurricane hardening of the existing library

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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Lakdas/Yohalem Engineering, Inc.	Fort Lauderdale, Florida	Structural Engineer
b.			
c.			
d.			
e.			
f.			



**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.)

21. TITLE AND LOCATION <i>(City and State)</i> 56th Avenue Public Safety Training / Public Safety Building, Hollywood Fl.	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(if applicable)</i> N/A

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Hollywood	b. POINT OF CONTACT NAME Mr. Moshe Anuar	c. POINT OF CONTACT TELEPHONE NUMBER (954) 921-3990
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost.)*

Description: New Public Safety Complex. (Maintenance/ Fire Training) fire station and beach rescue facility.

Size: 19,000 sq. ft.

Cost of Project: 11,000,000.00

Scope of Work: Value construction building review services. Special inspection services. Trouble shooting and construction phase engineering services. Final certification of the project.

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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Lakdas/Yohalem Engineering, Inc.	Fort Lauderdale, Florida	Structural Engineer and Threshold Inspector
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**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.)

**21. TITLE AND LOCATION (City and State)**

West Wind Park Community Center - City of Lauderdale  
Lauderhill, Florida

**22. YEAR COMPLETED**

PROFESSIONAL SERVICES  
2010 (current)

CONSTRUCTION (If applicable)  
N/A

**23. PROJECT OWNER'S INFORMATION**

**a. PROJECT OWNER**

City of Lauderdale

**b. POINT OF CONTACT NAME**

Maritin J. Cala

**c. POINT OF CONTACT TELEPHONE NUMBER**

(954) 730-2961

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

**Description:** Park Community Center Renovation and Addition

**Size:** Project Site Size = 2500 sq. ft.

**Cost:** \$ 4,000.00

**Scope of Work:** Structural, Civil, Electrical & Mechanical Engineering

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

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Lakdas/Yohalem Engineering, Inc.	Fort Lauderdale, Florida	Civil & Structural Engineer Design and Inspection Services
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
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



**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

**21. TITLE AND LOCATION** *(City and State)*

St. George Park Basket Ball - Canopy Structure  
Lauderhill, Florida

**22. YEAR COMPLETED**

PROFESSIONAL SERVICES  
2010

CONSTRUCTION *(If applicable)*  
N/A

**23. PROJECT OWNER'S INFORMATION**

**a. PROJECT OWNER**

City of Lauderdale

**b. POINT OF CONTACT NAME**

Martin J. Cala

**c. POINT OF CONTACT TELEPHONE NUMBER**

(954) 730-2961

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

**Description :** Design Services

**Cost:** \$800,000.00

**Scope of Work:** Structural, Civil, Architectural, Electrical & Mechanical Engineering

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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Lakdas/Yohalem Engineering, Inc.	Fort Lauderdale, Florida	Structural Engineer Design and Inspection Services
b.			
c.			
d.			
e.			
f.			

**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

21. TITLE AND LOCATION (City and State) City of Pompano Beach Pier- Pompano Beach	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2004	CONSTRUCTION (If applicable) N/A

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Pompano	b. POINT OF CONTACT NAME Clayton Young	c. POINT OF CONTACT TELEPHONE NUMBER (954) 786-4029

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

**Description:** The existing pier in Pompano Beach was built with pre-cast concrete driven piles poured in place, concrete bent beams and pre-stress concrete deck slab span between bents leaving 3'-0 wide wood deck between pre-stress concrete deck.

**Size:** The 684' long 14' wide pier had been repaired a number of times. Lakdas/Yohalem Engineering, Inc. provided engineering services for the restaurant addition, new observation tower addition and major restoration work in 1989.

**Cost:** \$2 million

**Scope:** Structural evaluation of the existing pier, preparation of construction documents, design and construction observation. Compiled a structural survey of the pier and complete life cycle cost analysis for restoration against replacement. A structural survey was completed in 2000 and a 2<sup>nd</sup> phase of construction document preparation was completed in 2001. Restoration work was successfully completed in 2002.

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

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Lakdas/Yohalem Engineering, Inc.	Fort Lauderdale, Florida	Structural Engineer Design and Inspection Services
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
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



**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.)

21. TITLE AND LOCATION <i>(City and State)</i> Hollywood Marina Docks B, C and D Repairs	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i> N/A

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Hollywood	b. POINT OF CONTACT NAME Bob Wertz	c. POINT OF CONTACT TELEPHONE NUMBER (954) 921-3992
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost.)*

**Description:** Structural Engineering & Inspection Services

**Cost:** \$380,000.

**Scope:**

- Structural condition survey of existing Marina
- Life cycle cost and replacement study
- Prepare construction documents for replacement of existing Marina
- Obtain necessary Army Corp & D.N.R.P permit
- Construct observation during construction

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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Lakdas/Yohalem Engineering, Inc.	Fort Lauderdale, Florida	Structural Engineer Design and Inspection Services
b.			
c.			
d.			
e.			
f.			

**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.)

21. TITLE AND LOCATION <i>(City and State)</i> Port Everglades Bulkhead Wall Broward County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2005	CONSTRUCTION <i>(If applicable)</i> N/A

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Seaport Engineering & Construction	b. POINT OF CONTACT NAME John Foglesong	c. POINT OF CONTACT TELEPHONE NUMBER (954) 468-0143
--	--	--

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

**Description:** Structural Engineering & Inspection Services

**Size:** 5 and a half mile long steel sheet pile bulkhead wall

**Cost:** 7 million

**Scope:** Performed structural condition survey, preliminary design and construction observation

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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Lakdas/Yohalem Engineering, Inc.	Fort Lauderdale, Florida	Structural Engineer Design and Inspection Services
b.			
c.			
d.			
e.			
f.			



**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.)

21. TITLE AND LOCATION <i>(City and State)</i> Repair & Replacement of existing roofing system of 11 buildings at Port Everglades., Fort Lauderdale, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i> N/A

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Seaport Engineering & Construction	b. POINT OF CONTACT NAME Mr. William (Bill) Maughan Deputy Director	c. POINT OF CONTACT TELEPHONE NUMBER (954) 468-0157
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost.)*

**Project:**

Repair and replacement of existing roofing system of 11 buildings at Port Everglades.

**Description:**

Soon after hurricane Wilma in October 2005, Broward County requested Lakdas/Yohalem Engineering to evaluate the extent of the damage and roof soundness of each building and make recommendations for each building, total of 11 buildings. Establish a construction budget for replacement and repair of each roof. Resulting in roof replacement of a total of 11 buildings. Several roofing systems were considered. The final was a built-up roofing system with torch-down system, since each building is in operation during the entire construction period.

**Cost:** \$6,700,000.

**Scope:**

Prime consultant design of the entire project and provide full time inspection services during roof replacement of each building.

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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Lakdas/Yohalem Engineering, Inc.	Fort Lauderdale, Florida	Structural Engineer of record, Inspection Service
b.			
c.			
d.			
e.			
f.			

**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.)

21. TITLE AND LOCATION <i>(City and State)</i> Condition Survey at Bank Atlantic Building Lauderhill, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i> N/A

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Lauderdale	b. POINT OF CONTACT NAME Juan Martin Cala	c. POINT OF CONTACT TELEPHONE NUMBER (954) 730-2961
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost.)*

**Description:** Structural Condition Survey

**Size:** 5 story, 37,000ft.

**Cost:** \$100,000

**Scope of Work:** 40 Year Certification along with structural condition survey and cost estimate of corrective work.

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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Lakdas/Yohalem Engineering, Inc.	Fort Lauderdale, Florida	Structural Engineer
b.			
c.			
d.			
e.			
f.			





H. ADDITIONAL INFORMATION

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

LAKDAS/YOHALEM ENGINEERING, INC., (LYE) is a Structural Engineering firm, which was established in Florida in the late 1960's as Yohalem Engineering, Inc.

1. The firm offers a variety of Structural Engineering services, specializing in commercial, institutional and marina facilities, water and wastewater treatment facilities, water control structures and bridges. The firm also has completed numerous city complexes and participated as City Consultant and Special Inspector for construction design.
2. **Structural Engineering:** Prepare Drawings, Specifications and Contract Documents to satisfy the engineering requirements for commercial, educational, institutional and residential buildings, parks and recreational facilities, city complexes, water and wastewater treatment facilities, water control structures, pumpstations , pipelines and bridges.
3. **Construction Observation/Inspection:** Provide Threshold and Special Inspection and Observations of civil and structural systems under construction.  
Mr. Nanayakkara is a Uniform Building Code Inspector certified by the Florida Department of Education. Special Inspector (Threshold Inspector) authorized by the Florida Concrete and Products Association.
4. **Value-Engineering:** Mr. Nanayakkara has participated in several multi-million dollar value-engineering and constructability review projects, design and construction of several projects within a specified budget, which resulted in substantial savings to the Owners.
5. **Small Business Enterprise:** Lakdas/Yohalem Engineering, Inc. is a Small Business certified in Broward, Dade and Palm Beach Counties and by the Florida Department of Management Services.
6. **Insurance:** The firm is fully insured and carries \$2,000,000 in Professional Liability Insurance.

The firm's commitment to success begins with a highly skilled design and construction inspection team. knowledgeable in all aspects of a project from start to finish. Throughout completion of a project, Lakdas/Yohalem, Inc. encourages continuous two-way communication between Owners, Clients and Contractors.

I. AUTHORIZED REPRESENTATIVE  
The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

February 21, 2014

33. NAME AND TITLE

Lakdas Nanayakkara, President







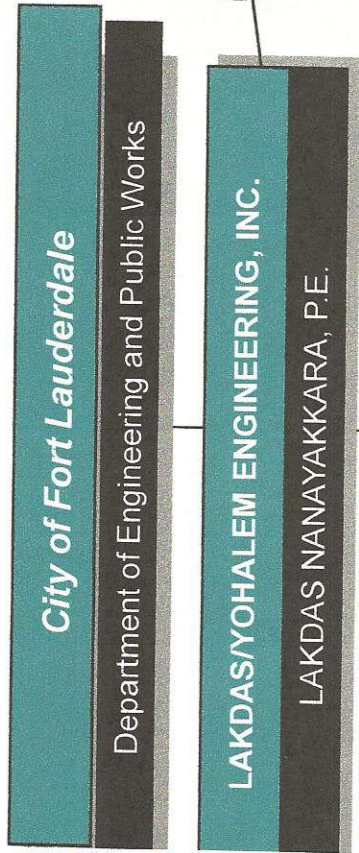


## Organizational Chart

for In House Team for Structural Engineering Design and Services

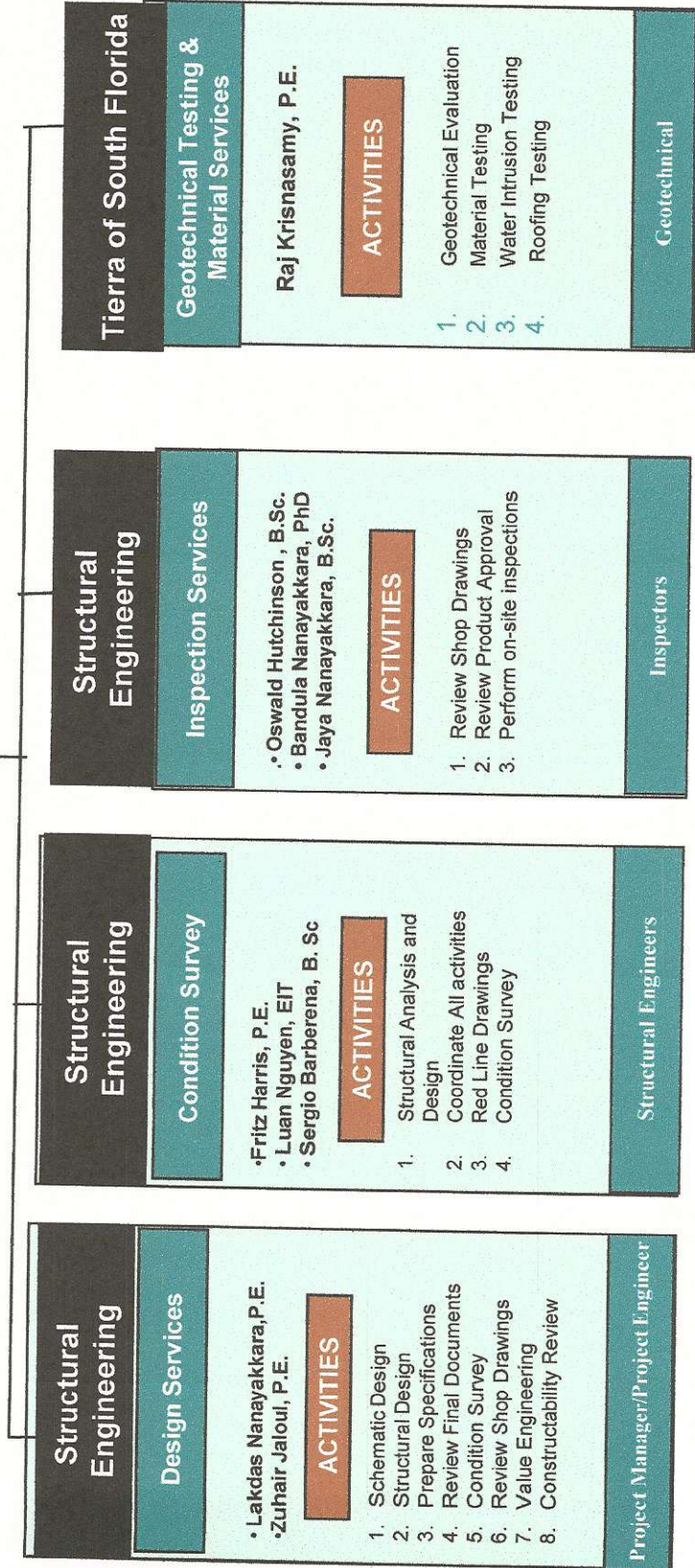


**LAKDAS/YOHALEM  
ENGINEERING, INC.**  
CONSULTING ENGINEERS



### ACTIVITIES:

1. PRINCIPAL IN CHARGE
2. LIAISON WITH CITY STAFF
3. PROJECT MANAGER







## Statement of Skills and Experience of the Project Team

### Credentials of Project Team

<u>NAME</u>	<u>POSITION</u>	<u>EXPERIENCE</u>
1. Lakdas Nanayakkara P.E.,	Structural Engineer	37 years
2. Zuhair Jaloul, P.E.	Civil Engineer	28 years
3. Fritz Harris, P.E.	Structural Engineer	28 years
4. Mario Quiñones	Engineer	18 years
5. Luan Nguyen E.I., Msc.	Engineer	9 years
6. Sergio Barberena B.Sc,	Engineer	20 years
7. Farshad Gholami	CAD Technician	10 years
8. Oswald Hutchinson B.Sc,	Inspector	18 years
9. Jaya Nanayakkara B.Sc,	Inspector	32 years
10. Bandula Nanyakkara, Ph.D	Sr. Inspector	38 years
11. Beatriz Almansa	Administration	15 years
12. Ranjika Nanayakkara	Human Resource	18 years



## QUALIFICATIONS OF LAKDAS/YOHALEM ENGINEERING, INC.

Lakdas/Yohalem Engineering, Inc. (LYE) is a medium sized professional structural and civil engineering firm that has been in operation in South Florida since 1970 (Broward County). We have provided structural and civil engineering, design and inspection services on a number of high profile projects in the tri-counties, which includes city complexes, institutional buildings, residential properties, water treatment plants, waste water treatment plants, fire stations, police stations, school facilities, libraries, emergency power stations, parks, bridges, marinas, resorts, airports and petroleum facilities.

Our firm has completed over 4,500 projects with over 1800 commercial and public building projects during the past 40 years in the US and on several islands in the Caribbean Basin. We are State Certified Masonry and Threshold Inspectors. Lakdas/Yohalem Engineering, Inc. offers a variety of inspection and engineering services which include: threshold and site inspections, feasibility studies, design, condition survey of structures, restoration damage assessments, value engineering and constructability review.

### SERVICES

Our Inspection and Engineering services have been primarily dedicated to:

#### Inspection

- Threshold and Special inspections services
- Re-roofing
- Constructability review
- Wind mitigation and hurricane hardening
- Life cycle cost analysis
- Value Engineering Services
- Independent damage assessment for insurance claims and settlements.
- 40 year certification of existing buildings for code compliance

#### Design Services

- New buildings, Marinas and Bridge structures
  - Addition to existing building structures
  - Renovations of existing Buildings, Marinas & Bridge structures
- Buildings:** Police Stations, Libraries, Fire Stations, Picnic Shelters, Maintenance Facilities, and City Complexes\*\*

### SIMILAR EXPERIENCE

Our staff has performed similar inspection services for the following entities in recent past:

- |                                  |   |
|----------------------------------|---|
| • Village of Bal Harbor          | Extended arm of the building department services          |
| • Broward County Port Everglades | Design and special Inspections for the past 12 years      |
| • Broward County Airport         | Design Inspection contract for 6 years (two 3 year terms) |
| • City of Lauderhill             | Design and special Inspections                            |
| • City of Lauderdale Lakes       | Design and special Inspections                            |
| • City of Hollywood              | Design and special Inspections                            |
| • City of Pompano Beach          | Design and special Inspections                            |

**L.Y.E** is **FDOT** Certified for Category 3.1 for Highway Design and 4.1 & 4.1.2 for Bridge Design services.

Lakdas Nanayakkara, including two of our staff members are professional Engineers as well as state certified general contractors who have in depth knowledge of design, inspection and constructability of building and engineering projects.



**EDUCATION:**

B.S. Civil Engineering  
University of Tennessee, 1977

**REGISTRATION:**

Florida, Alabama, Kentucky  
Special Inspector, **State of Florida #35416**

**EXPERIENCE:**

Feb. 1994 -  
Present

**Lakdas/Yohalem Engineering, Inc.**

*Civil Engineer - Senior Project Engineer*

Providing: design, permitting and construction phase engineering services for land development projects, roadway improvements, buildings, bridges, marinas, storm drainage, major water and wastewater projects including water, sewer paving and grading.

Jan. 1985 -  
Feb. 1994

**City of Pompano, City Engineer**

Served as chief design engineer for major water, wastewater, storm drainage and roadway projects. Prepared bids, contract documents and all regulatory submission; oversaw advertisement, bids, contract awards, and construction for major infrastructure projects. Services included resident engineering, change orders and claims negotiations, review and oversight of contractor's schedule and pay requests. Supervised 12 employees, including draftsmen, engineers and inspectors.

June 1979 -  
Jan. 1985

**Commonwealth of Kentucky, Engineer**

*Department of Natural Resources*

Completed environmental studies for impacts to surface water and groundwater from coal mining. Prepared probable hydrological consequences reports for coal mining operations. Designed retention ponds for controlling runoff from coalmines.

Nov. 1977 -  
April 1979

**Mothercat, Nigeria, Africa**

*Supervisory Engineer*

Supervised \$50 million annual highway construction program. Provided site development of oil fields prior to drilling. Supervised two engineers and four foremen.

**MEMBERSHIPS:** American Society of Civil Engineers



**EDUCATION:** **Post Graduate Diploma in Bridge Engineering**  
University of Surrey, England - 1976  
**B.S. (Honors) Civil Engineering**  
University of the West Indies, St. Augustine, Trinidad -1971

**REGISTRATION** Professional Engineer in the State of Florida -1982 #32596  
General Contractor in the State of Florida - 1984  
Certified Threshold Inspector in the State of Florida -1985

**SUMMARY OF EXPERIENCE** Mr. Harris has over thirty five years of experience in the design, inspection and construction supervision of bridges, commercial, institutional and residential buildings, water plants, sewage treatment plants, mass transit stations and airport structures.

**DETAILED WORK HISTORY**

April '08 to Present **LAKDAS/YOHALEM ENGINEERING, INC.**  
**STRUCTURAL ENGINEERING**

Responsibilities Responsible for the design and construction inspection of various structures including residential and commercial buildings, water tanks and sewage treatment plants, as well as supervision of drafting and review and approval of shop and placing drawings.

Apr'07 -Mar '08 **MIAMI-DADE BUILDING DEPARTMENT, Miami, Florida**  
**STRUCTURAL PLANS PROCESSOR**

Responsibilities Providing structural review and approval of various residential and commercial projects in Dade County and meeting with various architects, engineers and owners in order to help resolve any discrepancies that the county found in their structural drawings.

Apr'93 -Apr '07 **MAURICE GRAY ASSOCIATES, INC., Miami, Florida**  
**STRUCTURAL ENGINEERING COORDINATOR with DADE AVIATION CONSULTANTS**, providing Program Management of engineering, architecture, construction and other technical support services to the Dade County Aviation Department. The structures included: airport terminals, concourses, bridges, elevated roadways, cargo buildings, parking garages, vaults and other underground structures, control towers, chiller plants, tunnels, office buildings, hotels and automated people mover structures.

Responsibilities Provide technical expertise to the Planning and Programming Department.

Provide the design consultants with detailed program documents outlining the project scope and design parameters, and the guidelines and governing criteria for the provision of the design services. Provide Q/A reviews of the contract documents for conformance with the Miami-Dade Aviation Department's Design Guidelines, local building codes, FAA regulations,





pertinent engineering codes and good engineering practice. Provide technical expertise to the field staff and the office staff as required. Assist the owner in claim negotiations/construction dispute resolution. Develop and recommend for implementation; procedures, guidelines and forms for Quality Assurance during construction. Review calculations of the A/E or delegated engineer whenever necessary. Perform engineering analysis and design in supporting and assisting the Planning and Estimating departments.

Mar '92 - Jan '93

**ACT SERVICES INC., Miami, Florida**

PROJECT MANAGER ON THE ADDITION TO AND RENOVATION OF CAROL CITY MIDDLE SCHOOL

Responsibilities:

Management, coordination and supervision of all aspects of the project's construction.

July'85 -Feb'92

**President, FITZ A. HARRIS ASSOCIATES, Fort Lauderdale, Florida**

Operated Fitz A. Harris Associates, a Consulting Engineering firm. Responsibilities included management and coordination of all the company's activities such as marketing, client interaction, design, coordination and construction administration of the firm's projects. Projects included condominiums, office buildings, warehouses, malls, churches and sewage treatment plants. Work included engineering design, threshold building inspection as well as inspection on the Miami Downtown People Mover project (south loop).



**Education**

2002 Master of Engineering, University of Florida  
2000 Bachelor of Civil Engineering, University of Florida

**Registration**

Engineer-In-Training, US-Florida-Tallahassee Certification  
(EIT certified by the Florida Board of Professional Engineers) 2000

**Years of Experience**

Lakdas/Yohalem Engineering, Inc.: 5 years  
Ayres Associates Inc.: 5 years

**Relevant Projects:**

**Building Projects**

- ❖ 2 new stand alone multi-story parking garages
- ❖ 2 multi-story residential buildings with parking garages
- ❖ 2 multi-story commercial buildings with parking garages
- ❖ 3 high schools
- ❖ 2 multi-story hotels and resort projects
- ❖ 2 new fire stations, 2 police and public safety buildings
- ❖ 2 new community centers

**Highway Pedestrian Bridge**

- ❖ 2 high-way bridge expansion projects
- ❖ 2 passenger loading bridges

**Park Facilities**

- ❖ 2 park and amusement park facilities

**Civil Engineering**

- ❖ 2 pump stations, design and detail





**EDUCATION**

Florida Atlantic University  
Bachelor in Architecture

**RELATED EXPERIENCE**

Skilled designer with strong graphic communication.  
Capable to develop a project from conceptual to construction documents.  
Ten years of experience in commercial, educational and municipal facilities.  
Proficient with: AutoCAD, Architectural Desktop, Accurender, Lightscape, Archicad, and AutoDesk Inventor.  
Excellent presentation and model making techniques

**EMPLOYMENT**

*2008- Present* **Lakdas / Yohalem Engineering, Inc.** Ft. Lauderdale, Florida  
**Project Manager**  
Develop Conceptual drawings and construction documents.

*2007-2008* **Bermello- Ajamil & Partners,** Ft. Lauderdale, Florida  
**Project Designer**  
Develop schematic documents for:  
D7 – D8, a mix use development. Dubai, UAE  
7 Zones, a design center. Kuwait  
Cruise terminal. South Carolina Port Authority

*2005-2007* **The Tamara Peacock Company,** Ft. Lauderdale, Florida  
**Project Designer**  
Develop conceptual drawings and construction documents for:  
The Village at Marina Mile, a mix use development.  
Island Village, a 120 unit's hotel in Ft. Lauderdale  
Miramar Christian Center, a 40,000 sq. ft. campus  
The Atrium, 150,000 sq. ft. business center.

*2002-2005* **Southeast Architects, Inc.** Plantation, Florida  
**Cad Manager-Job Captain**  
Develop conceptual drawings and construction documents for:  
Salomon Media Center. a 300,000 sq. ft. film and TV studios  
Riva Motorsport. A 20,000 sq. ft. Motorcycle retail facility



**EDUCATION**

1968-1972	<b>St Andrew Technical High School</b>	Diploma – Building Construction
1974-1978	<b>The College of Arts, Science and Technology</b>	National Certificate Building Construction Engineering
1986-1988	<b>Miami Dade Community College</b>	Building Construction
1987-1989	<b>Florida International University</b>	Photography
1998-2001	<b>Florida Atlantic University (BFA)</b>	

**EXPERIENCE**

2001- Present	<b><i>Lakdas/Yohalem Engineering, Inc.</i></b>	<b><i>Engineering Inspector</i></b>
		<ul style="list-style-type: none"> <li>• Construction inspector for over 45 projects, few acre land development to roadway construction, paving, grading, water and sewer installation</li> <li>• Construction Inspector for over 250 projects: Bridges, Culverts, Sea Walls, High Wind Bollard, and Building Structures</li> <li>• Construction inspector for Structural Restoration of over 30 projects: bridges, Parking Garages, and Multi-Family Residential Buildings</li> </ul>
1988-1998	<b><i>E.N Bechamps and Associates, Inc.</i></b>	<b><i>Senior Civil/Structural Draftsman –AutoCad</i></b>
	<b><i>Operator &amp; Inspector</i></b>	<ul style="list-style-type: none"> <li>• Construction Inspector for over 5 projects, few acre land development to roadway construction, paving, grading, water and sewer installation</li> <li>• Construction Inspector for over 20 projects: Sea Walls, High Wind Bollard, and Building Structures</li> <li>• Construction Inspector for Structural Restoration of over 5 projects: Parking Garages, and Multi-Family Residential Buildings</li> </ul>
1987-1988	<b><i>Sheldon &amp; Lavrich, Inc.</i></b>	<b><i>Structural Draftsman</i></b>
		<ul style="list-style-type: none"> <li>• Residential renovations. Broward County School Building</li> </ul>
1986-1987	<b><i>Gannet Fleming</i></b>	<b><i>Civil/Structural Draftsman</i></b>
		<ul style="list-style-type: none"> <li>• F.D.O.T Projects. Platted profiles for cut and fill quantities and completed bridge structural details.</li> </ul> Projects: Jog Road- Palm Beach, Gratigny Parkway – Dade, I-95/SR836 Interchange Dade County Florida
1984-1986	<b><i>Spolter, Frechtel Associates, Inc.</i></b>	<b><i>Structural Draftsman</i></b>
		<ul style="list-style-type: none"> <li>• Royal Harbor Yacht Club, Dade County Waste Department Offices, Community Savings Bank, North Palm Beach</li> <li>• Dade County Aviation Department Crossover Bridge</li> </ul>





**Lakdas/Yohalem Engineering, Inc.**  
**M. GNANABHARANA (JAYA) NANAYAKKARA**

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**EDUCATION**

University of Sri Lanka, Moratuwa  
BSC in Civil Engineering, Construction – 1977

**EMPLOYMENT**

June 1994 to Present      Lakdas/Yohalem Engineering, Inc.      *Senior Inspector*  
2211 NE 54<sup>th</sup> Street  
Fort Lauderdale, Fl. 33308

Duties include Threshold Inspector for several multi-story complexes,  
Single-family residential projects, Fort Lauderdale Airport Parking  
Garage, Cruise Terminal Buildings in Port Everglades  
Number of Water and Wastewater Treatment Plants  
Water Control Structures and Bridges

**PROFESSIONAL CERTIFICATES**

State Certified Building Inspector (B P R)  
State Certified General Contractor  
Certified Masonry Inspector

# **BANDULA NANAYAKKARA, PH. D**

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## **EDUCATION:**

**Doctor of Philosophy, Production Engineering 1977**  
University of Strathclyde, College of Engineering, Glasgow, Scotland

**Bachelor of Science Honors, Mechanical / Production Engineering, 1971**  
University of Hertfordshire, College of Engineering, Hertfordshire, England

## **EMPLOYMENT**

June 1994 to Present      Lakdas/Yohalem Engineering, Inc.      *Senior Inspector*  
2211 NE 54<sup>th</sup> Street  
Fort Lauderdale, Fl. 33308

Duties include Threshold Inspector for several multi-story complexes,  
Single-family residential projects, Fort Lauderdale Airport Parking  
Garage, Cruise Terminal Buildings in Port Everglades  
Number of Water and Wastewater Treatment Plants  
Water Control Structures and Bridges

## **PROFESSIONAL EXPERIENCE:**

### **Water and Waste Water Treatment and Solid Waste Treatment Plants:**

- ❖ 12 water and waste water treatment plants expansion projects
- ❖ 6 solid waste treatment plant renovation and expansion projects
- ❖ 14 water and waste water treatment plant renovation projects

### **LIST OF WASTE/WATER TREATMENT PROJECTS**

- Water Treatment Plant, City of Hollywood
- Water Treatment Plant, City of Pompano
- Pahokee Waste Water Treatment Plant, City of Pahokee
- Tamarac Water Storage Tank
- Collier County Water Treatment Plant
- Marco Island Waste Water Treatment Plant (Blower Bldg)
- Water Treatment Plant of North Miami
- Coral Springs Imp. Dist. – WWTP Phase II
- Water Treatment Plant, City of Lauderhill
- Oxygenation Tank WWTP (4) – City of Hollywood
- Wet Well Gate Restoration at Clarifier #3 – City of Hollywood
- Water Treatment Plant Expansion – Town of Davie





**Highway Pedestrian Bridges:**

- ❖ 8 new highway bridges
- ❖ 11 pedestrian bridges
- ❖ 7 passenger loading bridges
- ❖ 16 high-way bridge expansion projects

**Marinas, Seawalls and Port Facilities:**

- ❖ 7 Marinas (Over 100 Slips)
- ❖ 64 Residential, multi-residential, docks and seawalls
- ❖ 8 Toewalls, bulkhead and pier projects

**PROFESSIONAL CERTIFICATES**

State Certified Building Inspector (B P R)  
State Certified General Contractor  
Certified Masonry Inspector





## Project Manager's Experience

Lakdas Nanayakkara, P.E. is the project manager for this project.

He has performed and is currently performing similar types of structural engineering services for a number of municipalities for the last 28 years in Fort Lauderdale, Florida.

Lakdas has been practicing structural engineering services for the last 32 years; also he is a State Certified General Contractor since 1987.

Lakdas has successfully managed to complete over 1800 miscellaneous and high visible structural engineering projects during the last 35 years.

Lakdas views the project as an engineer as well as a contractor. Especially, how to construct the specified project with details and specifications.

Also he views each project in value engineering, point of view to design the project to comply the building code requirement and within schedule and budget.

Lakdas' experience ranges from onsite structural condition survey, compiling reports, cost estimates, conceptual structural design, structural analysis, value engineering and site inspection during construction.

His experience has been recognized by a number of City and County Agencies including the City of Fort Lauderdale.



# LAKDAS NANAYAKKARA P.E. #37590

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## EDUCATION:

Post Graduate Diploma in Structural Engineering - 1981  
Council of National Academic Awards  
England, United Kingdom

Bachelor of Science Honors Degree in Civil Engineering  
With Structural Engineer Major - 1978  
Council of National Academic Awards  
England, United Kingdom

Higher National Certificate in Civil Engineering - 1975  
Hertfordshire College of Building  
England, United Kingdom

## PROFESSIONAL ENGINEER REGISTRATIONS:

- Chartered Structural Engineering  
London, England – 1981
- Florida #037590
- South Dakota - 4058
- Minnesota - #17947
- Certified Structural Masonry Inspector – 1992
- Certified General Contractor – CGC 044303
- Certified Threshold Inspector – 1987
- Certified Uniform Building Code Inspector - 690

Structural Engineering Expert for Unsafe Structure Board – City of Margate since “ 2001”.

Structural expert witness services over 400 projects for Insurance companies over 60 projects failure analysis and Expert testimony for litigation representation.

## EMPLOYMENT:

1987 to present Lakdas / Yohalem Engineering, Inc  
Fort Lauderdale, FL 33308

Principal - in charge of structural design and final review of construction documents

1986 - 87 Yohalem Engineering, Inc.  
Fort Lauderdale, FL 33308

Principal Associate - structural design, site supervision,  
Structural Investigation and reports, liaise with Architects and General  
Contractors.

1984- 86 Darg Palanasami and Associates, Inc.  
Minneapolis, MN

Project Engineer - Structural design, site supervision, structural investigations and reports, liaise  
with Architects and General Contractors

## AWARDS:

- *Tamarac City Complex: National Award*
- *Aventura City Complex: State Award*
- *City of Pompano Waste Water Re-Use Facility: State Award*
- *Tamarac Pedestrian Bridge: State Award*
- *2011 Tilt-Up Achievement Award – Tilt-Up Concrete Association*

## PATENT LICENSE TO INDUSTRY:

- *Metal stud frame system # US 6980 347 B2*
- *Interlocking masonry wall # US 6550 208 B2*
- *Light gauge metal frame # US 6163 674 B1*



## **EXPERIENCE:**

Thirty-two years of practicing as a Professional Structural Engineer in the following disciplines: building structures, marine and bridge engineering structures for many state, county and city agencies in support of high visible and miscellaneous public projects.

Over 1200 projects were completed in South Florida and the Caribbean Basin during the last 24 years.

### **Building Projects:**

- ❖ 8 new stand alone multi-story parking garages
- ❖ 11 multi-story residential buildings with parking garages
- ❖ 6 multi-story commercial buildings with parking garages
- ❖ 11 cruise terminal facilities
- ❖ 6 high schools, 8 middle schools and 14 elementary schools
- ❖ 11 community college building facilities, 6 special education facilities
- ❖ 18 multi-story hotels and resort projects
- ❖ Structural renovations of 11 parking garages, 21 condominiums
- ❖ 8 new libraries, 8 auditorium and amphitheater
- ❖ 14 new fire stations, 7 police and public safety buildings

### **Water and Waste Water Treatment and Solid Waste Treatment Plants:**

- ❖ 12 water and waste water treatment plants expansion projects
- ❖ 6 solid waste treatment plant renovation and expansion projects
- ❖ 14 water and waste water treatment plant renovation projects

### **Marinas, Seawalls and Port Facilities:**

- ❖ 7 Marinas (Over 100 Slips)
- ❖ 64 Residential, multi-residential, docks and seawalls
- ❖ 8 Toewalls, bulkhead and pier projects

### **Highway Pedestrian Bridges:**

- ❖ 8 new highway bridges    ❖ 11 pedestrian bridges    ❖ 7 passenger loading bridges
- ❖ 16 high-way bridge expansion projects

### **Park Facilities:**

- ❖ 8 park and amusement park facilities

### **Value Engineering:**

Participated as structural expert for over 31 value-engineering sessions for both FDOT and County's major projects in building, bridges and water and wastewater treatment plants. Our Value-Engineering service has saved:

- Bridge projects over \$4.5 million
- Building projects, saved over \$4.1 million
- Water & Wastewater Treatment Plants, saved over \$4.6 million

### **Structural Failure Analysis and Expert Witness: Construction Related Litigation**

- 12 Commercial projects    ❖ 46 Residential projects

### **Professional Societies:**

*Institute of Structural Engineers, London, England*  
*American Society of Civil Engineers, American Concrete Institute*  
*Florida Institute of Consulting Engineers, The Masonry Society*

### **Civic Organizations:**

*Member of Broward County Construction Executive Association*  
*Member of Florida Consulting Engineers*







## Approach to Scope of Work

*Our approach for said projects would be as follows:*

Our approach for structural and inspection for miscellaneous and City in house staff design building project would be:

### **Building Structures, Re-Roofing and Miscellaneous Structure Projects**

- Immediate response to request of work, meet with City project manager and establish the criteria for the project, available documents including City project manager's program.
- Prepare fee proposal for our services
- Review the existing construction documents including survey, sounding and geotechnical information.
- Meet all related permitting agencies to establish permit criteria
- Prepare schematic design along with budget cost for City review
- Prepare 50% submittal drawings and compare with established budget
- Complete construction documents and review for code and all related agency permitting requirements and constructability review
- Assist in preparation of bid documents and permitting with project team members, City officials and contractors
- Submit signed and sealed documents to City for permit submittal
- Assist and reply to all comments during bidding
- Assist bid tabulation and select a contractor that meets all City bid document requirements
- Assist with all engineering services required during pre-construction phase, such as, product approval and shop drawing approval
- Provide construction observation during construction and approve contractor's monthly pay request, if necessary
- Final certification of the project including closeout of all related permits; local, state and federal agencies



*Our approach for:*

- Structural Condition Survey
  - Wind Mitigation
  - Forty Year Certification
- 
- Immediate response to request of work, meet with City project manager and establish the criteria for the project, available documents including City project manager's program.
  - Prepare fee proposal for our services
  - Review the existing construction documents including survey, sounding and geotechnical information.
  - Meet all related permitting agencies to establish permit criteria
  - Onsite evaluation of the structure
  - Compile detail report with our findings and suggested corrective work
  - Prepare construction cost proposal for corrective work
  - Complete City agency form for 40 year certification
  - Submit for City review and approval





## References

- 1) Mr. John Foglesong, Director  
Seaport Engineering & Construction Division.  
Port Everglades  
1850 Eller Drive  
Port Everglades, FL 33316  
(954) 468-0143
  
- 2) Mr. Indar Maharaj, Capital Projects Manager  
City of Lauderdale  
2000 City Hall Drive  
Lauderhill, Fl 33313  
(954) 730-4225
  
- 3) Mr. Jitendra Patel, P.E., Manager of Public Works  
City of Hollywood  
Dept of Design & Construction Mgmt  
2717 Van Buren Street  
Hollywood, Florida 33022-9045  
(954) 921-3900
  
- 4) Clayton Young, Project Manager  
City of Pompano Beach  
1204 NE 5<sup>th</sup> Ave.  
Pompano Beach, Fl 33060  
(954) 786-4029
  
- 5) Mr. Robin Soodeen, CPSI, Fleet/Facilities Superintendent  
City of Lauderdale Lakes  
4300 NW 36th Street  
Lauderdale Lakes, Fl 33319  
(954) 535-2758
  
- 6) Francois A. Domond, P.E, O.E.S  
Assistant Director, Utilities Department  
City of Hollywood Engineering  
1621 N. 14<sup>th</sup> Ave.  
Hollywood, Fl. 33020  
(954) 921-3930



State of Florida

*Minority, Women &  
Service-Disabled Veteran*

Business Certification

Lakdas/Yohalem Engineering, Inc.

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

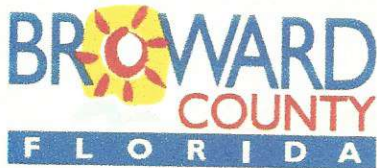
08/30/2013 to 08/30/2015

A handwritten signature in black ink that reads "John P. Miles".

\_\_\_\_\_  
John P. Miles, Secretary

Florida Department of Management Services  
Office of Supplier Diversity





**OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT**

Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301

954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

**May 13, 2013**

**Mr. Lakdas Nanayakkara**  
**LAKDAS/YOHALEM ENGINEERING, INC.**  
**2211 NE 54<sup>th</sup> Street**  
**Fort Lauderdale, Florida 33308**

**ANNIVERSARY DATE – Annually, on May 7<sup>th</sup>**

Dear Mr. Nanayakkara:

**Broward County** is pleased to announce that **Lakdas/Yohalem Engineering, Inc.** has renewed its certification as a **Disadvantaged Business Enterprise [DBE]** in Florida, under a **Unified Certification Program [UCP]** in accordance with 49 CFR, PART 26.

DBE certification continues from your anniversary date, but is contingent upon Lakdas/Yohalem Engineering, Inc. renewing its eligibility annually through this office, Office of Economic and Small Business Development (OESBD). OESBD will notify you in advance of your obligation to provide continuing eligibility documents; however, to assure continued certification is your responsibility. Failure to continue your eligibility will result in immediate action to remove Lakdas/Yohalem Engineering, Inc. as a DBE.

As long as Lakdas/Yohalem Engineering, Inc. is listed in the DBE Directory, it is considered DBE Certified by all Florida UCP Members.

DBE Certification is subject to actions by governmental agencies impacting the disadvantaged status of Lakdas/Yohalem Engineering, Inc.

Lakdas/Yohalem Engineering, Inc. will be listed in Florida's **UCP DBE Directory** which can be accessed via the internet, at <https://www3.dot.state.fl.us/EqualOpportunityOffice/BizNet/mainmenu.asp> or through FDOT's website at [www.dot.state.fl.us/equalopportunityoffice](http://www.dot.state.fl.us/equalopportunityoffice) and by "clicking" on "BizNet DBE UCP Directory" in the center of the page.

**Re: Lakdas/Yohalem Engineering, Inc.**

**May 13, 2013**

DBE certification is **NOT** a guarantee of work, but enables Lakdas/Yohalem Engineering, Inc. to compete for, and perform, contract work on all USDOT Federal Aid (FAA, FTA and FHWA) projects in Florida as a DBE contractor, sub-contractor, consultant, and sub-consultant or material supplier.

If, at any time, there is a material change in Lakdas/Yohalem Engineering, Inc., including, but not limited to, ownership, officers, directors, scope of work being performed, daily operations, affiliations with other businesses or individuals or physical location of Lakdas/Yohalem Engineering, Inc., you must notify OESBD, in writing, without delay. Notification should include supporting documentation. You will receive acknowledgement and confirmation of continued eligibility, if applicable after notification of changes.

Lakdas/Yohalem Engineering, Inc. may compete for, and perform, work on all USDOT Federal Aid projects throughout Florida, receiving DBE credit for work performed in the following area:

**NAICS: 541330 Engineering Services**

Please feel free to contact OESBD for any questions or concerns pertaining to your DBE certification. Our telephone number is (954) 357-6400; our fax number is (954) 357-5674.

Sincerely,



Chris Atkinson, Assistant Director  
Office of Economic and Small Business Development





Our Best.  
Nothing Less.

**OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT**

Governmental Center Annex  
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301  
954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

November 12, 2013

Mr. Lakdas Nanayakkara  
**LAKDAS/YOHALEM ENGINEERING, INC.**  
2211 NE 54<sup>th</sup> Street  
Fort Lauderdale, Florida 33308

Dear Mr. Nanayakkara:

The Broward County Office of Economic and Small Business Development (OESBD) is pleased to award your company certification as a **County Business Enterprise**. Your firm is now eligible to participate in the Office of Economic and Small Business Development programs.

Your CBE and SBE certification is continuous, but is contingent upon your firm verifying annually its eligibility in each of the two programs. Each year, on the anniversary of the date you were awarded certification, you must submit to the Office of Economic and Small Business Development a Personal Net Worth Worksheet, a copy of the previous year's Business Tax Return, copies of the current professional licenses, and County and local business tax receipts. As a courtesy, OESBD will notify you in advance of your obligation to provide the continuing eligibility documents. However, the responsibility to assure continued certification is yours.

To review current Broward County Government bid opportunities visit:  
<http://www.broward.org/purchasing/currentsolicitations>. Bid opportunities over \$3,500 will be advertised to vendors via e-mail. Please keep both the Purchasing Division and the Office of Economic and Small Business Development apprised of your current e-mail address.

Your primary certification group is: **Architecture and Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: [https://www.broward.org/small\\_business](https://www.broward.org/small_business). Click on "Small Business Directory".

Your firm may compete for, and perform work on Broward County projects in the following areas:

**NAICS CODE:** 541330, 541340, 541350, 541990

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

Chris Atkinson, Assistant Director  
Office of Economic and Small Business Development

**Cert Agency: BC-CBE**  
**ANNIVERSARY DATE: NOVEMBER 7<sup>TH</sup>**





Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

## Office of Economic and Small Business Development

*This Certificate is Awarded to:*

**LAKDASYOHALEM ENGINEERING, INC.**

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

**County Business Enterprise**

**Anniversary Date: November 7<sup>th</sup>**

A handwritten signature in black ink, appearing to read "Chris Adams".

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A service of the **Broward County Board of County Commissioners**  
[www.broward.org/smallbusiness](http://www.broward.org/smallbusiness)

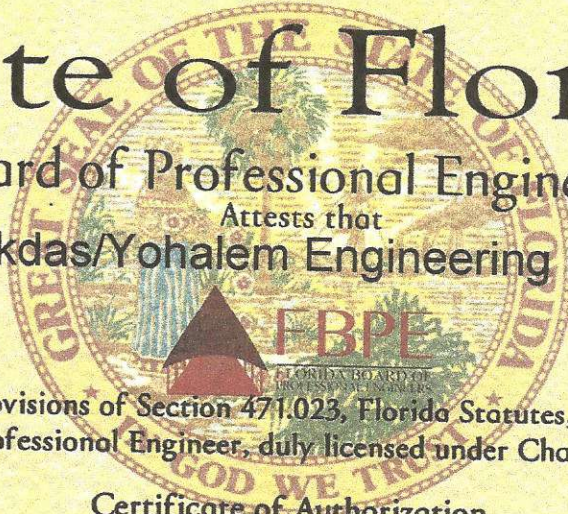


# State of Florida

Board of Professional Engineers

Attests that

Lakdas/Yohalem Engineering Inc



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: 2/28/2015

Audit No: 228201501163

Certificate of Authorization

CA Lic. No:  
5458

# State of Florida

Board of Professional Engineers

Attests that

Lakdas Nanayakkara



**FBPE**  
FLORIDA BOARD OF  
PROFESSIONAL ENGINEERS

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

Expiration: 2/28/2015

Audit No: 228201520618

Special Inspector

P.E. Lic. No: 37590

SI Lic. No: 690



AC# 6327648

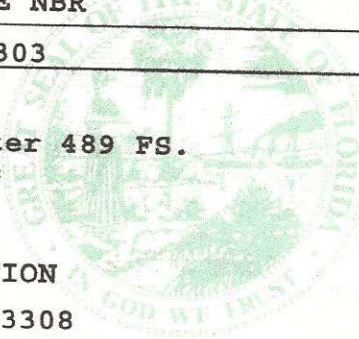
STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L12083103540

DATE	BATCH NUMBER	LICENSE NBR
08/31/2012	110423875	CGC044303

The GENERAL CONTRACTOR  
Named below IS CERTIFIED  
Under the provisions of Chapter 489 FS.  
Expiration date: AUG 31, 2014



NANAYAKKARA, LAKDAS  
BJR CONSTRUCTION CORPORATION  
2211 NORTHEAST 54 ST  
FT LAUDERDALE FL 33308

RICK SCOTT  
GOVERNOR

KEN LAWSON  
SECRETARY

DISPLAY AS REQUIRED BY LAW

# *State of Florida*

## *Department of State*

I certify from the records of this office that LAKDAS/YOHALEM ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on November 9, 1987, effective November 9, 1987.

The document number of this corporation is K01968.

I further certify that said corporation has paid all fees due this office through December 31, 2013, that its most recent annual report/uniform business report was filed on January 8, 2013, and 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 is  
the Eighth day of January, 2013*



*Ken DeFina*  
*Secretary of State*

Authentication ID: CC4343723844

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

<https://efile.sunbiz.org/certauthver.html>





## Florida Department of Transportation

RICK SCOTT  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.  
SECRETARY

December 7, 2012

Lakdas Nanayakkara, President  
LAKDAS/YOHALEM ENGINEERING, INC.  
2211 NE 54<sup>th</sup> Street  
Fort Lauderdale, Florida 33308

Dear Mr. Nanayakkara:

The Florida Department of Transportation has reviewed your application for qualification package and determined that the data submitted is adequate to qualify your firm for the following types of work:

- Group 3 - Highway Design - Roadway
  - 3.1 - Minor Highway Design
- Group 4 - Highway Design - Bridges
  - 4.1 - Minor Bridge Design
  - 4.1.2 - Minor Bridge Design
- Group 10 - Construction Engineering Inspection
  - 10.1 - Roadway Construction Engineering Inspection

Your firm is now qualified to do work for the Department for minor projects only. This level of qualification allows consultants to compete for minor projects with fees estimated at below \$250,000.00.

Should you have any questions, please feel free to contact me at 850/4144485.

Sincerely,

Lorraine E. Odom  
Professional Services  
Qualification Administrator

LEO/cbkh

## 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 its 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) Lakdas Nanayakkara  
Business Name

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.
- (2) \_\_\_\_\_  
Business Name

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.
- (3) \_\_\_\_\_  
Business Name

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.
- (4) \_\_\_\_\_  
Business Name

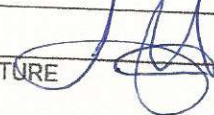
requests a **Conditional Class A** classification as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.
- (5) \_\_\_\_\_  
Business Name

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.
- (6) \_\_\_\_\_  
Business Name

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.

BIDDER'S COMPANY: Lakdas/Yohalem Engineering, Inc.

AUTHORIZED COMPANY PERSON: \_\_\_\_\_

NAME	SIGNATURE 	DATE <u>2-21-14</u>
------	--	---------------------





# CERTIFICATE OF LIABILITY INSURANCE

OP ID: PR

DATE (MM/DD/YYYY)  
02/11/2014

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

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

<b>PRODUCER</b> Gulfstream Insurance Group Inc P.O. Box 8908 Fort Lauderdale, FL 33310-8908 Robert S. Sims		<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: <b>LAKDA-1</b>	
<b>INSURED</b> Lakdas/Yohalem Engineering Inc 2211 NE 54 St. Fort Lauderdale, FL 33308		<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A : <b>Colony Insurance Company</b> INSURER B : INSURER C : <b>Bridgefield Employers Ins Co</b> INSURER D : INSURER E : INSURER F :	

**COVERAGES**      **CERTIFICATE NUMBER:**      **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Broad Form <input type="checkbox"/> Contractual GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	X	GL4030449	08/06/2013	08/06/2014	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ Included DED \$ 500
	<input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		GL4030449	08/06/2013	08/06/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (PER ACCIDENT) \$ \$ \$ \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A	19604653	01/01/2014	01/01/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
 Engineer/Architect-Consulting/ City of Ft. Lauderdale is named as additional insured for General Liability.

<b>CERTIFICATE HOLDER</b>		<b>CANCELLATION</b>	
FTLAUDE City of Fort Lauderdale Dept of Procurement Services Rick Andrews 100 N. Andrews Ave. Fort Lauderdale, FL 33301		SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Bob Sims</i>	



LAKDAS / YOHALEM ENGINEERING, INC.  
Consulting Engineers EB 0005458

Lakdas Nanayakkara  
C Eng., M.I. Str. E.

## *Joint Venture Statement*

Lakdas/Yohalem Engineering, Inc shall act as the prime on this project and will not be participating in any type of Joint Venture Agreement for this RFQ.

Thank you.





Tierra South Florida, Inc. (TSF) is a full service consulting geotechnical engineering, construction materials testing, and inspections firm with capabilities to provide test borings, engineering analyses and reports, AutoCAD and Microstation plan sheets, laboratory soils testing, and construction materials testing. TSF was incorporated in the State of Florida in 2003. Our professional team has been working together since 2000 and is committed to providing quality, responsive service establishing a reputation for sound approaches and professional competence in a wide range of technically demanding areas. Our services also include threshold/special inspection and roofing inspection services. TSF is a certified Disadvantaged Business Enterprise (DBE) and Small Business Enterprise (SBE) with the Florida Department of Transportation. TSF is also a certified Minority Business Enterprise (MBE) with the State of Florida's Office of Supplier Diversity and a certified Community Business Enterprise (CBE) by Broward County.

Our main office is located in West Palm Beach, Florida with operational satellite offices in Fort Lauderdale and Hialeah Gardens, Florida. Our staff includes principal engineers with more than 25 years of experience in geotechnical, construction, laboratory and field materials testing and inspection services. We feature Masters Degree level or higher educational background amongst our Registered Professional Engineers and maintain licenses in the State of Florida.

### **BASIC SERVICES**

**Geotechnical Engineering:** TSF can provide a complete range of geotechnical engineering services. Our organization helps define the construction and long-term performance risks associated with subsurface conditions. Applications are for all types of buildings, airport facilities, transportation systems, landfills, dams, and other civil and private projects. TSF's geotechnical services include:

- Laboratory testing and analysis
- Subsurface exploration
- Site preparation recommendations
- Soil reinforcement
- Expert witness testimony
- Value engineering
- Pavement evaluations and design
- Deep and shallow foundation analysis and design
- Slope stability analysis
- Corridor studies
- Sinkhole studies

**Construction Materials Testing:** TSF offers materials engineering, testing and inspection services applicable to the governmental, construction and manufacturing industries. TSF will evaluate and then develop recommendations regarding both existing structures and new construction. During construction, monitoring and quality control services will cover every phase of construction and all materials used. TSF has a fully equipped laboratory and certified technicians that can provide a wide range of material testing and inspection services. Our capabilities with respect to soils, concrete, and asphalt have been approved by the Florida Department of Transportation (FDOT) and certified by Construction Material Engineering Council (CMEC). TSF's construction material testing and inspection services include:

- Soils/aggregates/concrete/masonry/asphalt
- Concrete testing and placement observation
- Asphalt paving monitoring
- MSE wall installation monitoring
- Drilled shaft installation monitoring
- Earthwork testing and observations
- Masonry, grout, and mortar sampling and testing
- Asphalt plant observations and monitoring
- Pre-stressed yard observations
- Pile driving installation monitoring

**Building Inspection:** TSF also provides building inspection services to public and private clients; our services include:

- Threshold/special inspections
- Roof installation observations
- Welding inspections
- Floor flatness testing
- Non-destructive testing
- Torque testing and inspections
- Fire proofing testing

### **CAPABILITIES AND EXPERIENCE**

TSF's principals have served as geotechnical engineering consultants to a large variety of clients, both public and private, in the course of our experience. These clients include architects, engineers, contractors, developers, utilities, institutions, schools, military, municipalities, and private enterprise covering commercial and residential entities. Our collective project experience is broad based covering: airport construction, pavement design of municipal airports, buildings, highways, bridges, communication towers, dams and levees, sinkhole remediation, ground improvement projects, water supply projects, landfills, slope stabilities analyses, and distressed structure/foundation studies.





**RAJ KRISHNASAMY, P.E.**

**President, Principal  
Geotechnical Engineer**

**25 Years Professional  
Experience**

**EDUCATION**

MS in Geotechnical Engineering,  
University of Memphis 1995

BS in Civil Engineering, Christian  
Brothers University 1987

Diploma/1984/Electronic  
Engineering, Malaysian Air  
Force Institute

**PROFESSIONAL ORGANIZATION  
AND REGISTRATION**

Professional Engineer:

Florida, 53567

Certified OSHA Supervisor

Certified Environmental  
Consultant

**PROFESSIONAL EXPERIENCE**

As President and Principal Engineer for Tierra South Florida, Inc., Mr. Krishnasamy oversees the geotechnical engineering, construction materials testing, and inspection services operations. Mr. Krishnasamy was the Project Manager for a \$1.2 billion multimedia super corridor project that included universities, commercial buildings, and residential roadways. He was also Principal Geotechnical Engineer for a \$780 million elevated highway, where he established Rock Founding Rationale for deep foundation systems. He was also Principal Geotechnical Engineer for a \$450 million highway that included land reclamation and soil stabilization. Mr. Krishnasamy has been involved in hundreds of projects of diversified complexity consisting of residential, commercial, educational, and wastewater treatment facilities, sports arenas, landfills, airports, roadways and land reclamation.

**ABBREVIATED PROJECT EXPERIENCE**

SFRC Bascule Bridge Replacement over the New River, Broward County, FL  
PD&E Studies for Various Bridges over Las Olas Boulevard, Fort Lauderdale, FL  
SE 15th Avenue Bridge Replacement - CEI Services, Fort Lauderdale, FL  
FDOT District 4 Unknown Foundations Bridge Scour Evaluation (Andrews Avenue over C-13 Canal Bridge, NE 23 Avenue over Rio Giraldo Canal, NE 26th Terrace over Rio De Sota, Laguna Terrace over Diane River, West Lake Drive over Estelle River, West Lake Drive over Diane River, West Lake Drive over Lucille River, Johnson Street over C-10 Canal, Kings Highway over Belcher Canal), Broward County, FL  
Pembroke Road Bridge over I-75, Broward County, FL  
FPL Bridge at Port Everglades, Broward County, FL  
Pedestrian Bridge at Floranda Road, Oakland Park, FL  
NE 27th Terrace Bridge Replacement, Pompano Beach, FL  
Improvement of Hiatus Road from Sunrise Boulevard to Oakland Park Boulevard (Roadway and Bridge), Broward County, FL  
I-95 Express Lanes in Broward and Miami-Dade Counties (Design-Build)  
SW 36th Avenue - Pedestrian Bridge and Sidewalks, Pompano Beach, FL  
Passenger Loading Bridge Terminal 2 & 18, Port Everglades, FL  
CR-811/Dixie Highway Fly-Over, Broward & Palm Beach Counties, FL  
Royal Palm Boulevard Bridge Widening and Pedestrian Bridges, Margate, FL  
Design-Build Rehabilitation of West Bridge & Bear Cut Bridge on the Rickenbacker Causeway, Miami-Dade County, FL  
Flagler Memorial (SR-A1A) Bascule Bridge Replacement Design-Build, Palm Beach County, FL  
SR-80/Southern Blvd - Bascule Bridge, Palm Beach County, FL  
Ocean Avenue Bascule Bridge, Palm Beach County, FL  
George Bush Boulevard Bascule Bridge, Palm Beach County, FL  
SR 80 / Southern Blvd. Bridges Replacement, Palm Beach County, FL  
US 41 Reconstruction Design-Build, Collier County, FL  
State Road 710 Big John Monahan Bridge (Design Build) from SW Trail Dr. to East of the SR-76 Connector Ramps, Martin County, FL  
New Bridge on NW 87th Avenue over Miami Canal, Miami-Dade County, FL  
SR 5 / US- 1 Low-level Bridge Replacement (Design-Build), Palm Beach County, FL  
Hatton Highway Bridge Over PDD Main Canal 2, Palm Beach County, FL  
Caroline Avenue Crossing over L.W.D.D. L-3 Canal Bridge Replacement, Palm Beach County, FL  
Pedestrian bridge over the Carol City Canal, Miami Gardens, FL  
10th Avenue North and Keller Canal Pedestrian Bridge, Palm Beach County, FL



# ARCHITECT - ENGINEER QUALIFICATIONS

## PART I - CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION


1. TITLE AND LOCATION <i>(City and State)</i> <b>Bridge Engineering Consulting Services, Fort Lauderdale, Florida</b>		3. SOLICITATION OR PROJECT NUMBER <b>RFQ # 246-11376</b>
2. PUBLIC NOTICE DATE		

### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE <b>Raj Krishnasamy, P.E. , President/ Principal Engineer</b>		
5. NAME OF FIRM <b>TIERRA SOUTH FLORIDA, Inc.</b>		
6. TELEPHONE NUMBER <b>(561) 687-8536</b>	7. FAX NUMBER <b>(561) 687-8570</b>	8. E-MAIL ADDRESS <b>Raj@TierraSF.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	SUBCON-TRACTOR	TRACTOR			
a.			X		 <input type="checkbox"/> CHECK IF BRANCH OFFICE	2209B NE 54th Street Fort Lauderdale, FL 33308	Geotechnical Engineering
b.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Attached)





**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete one Section E for each key person.)

12. NAME <b>Raj Krishnasamy, P.E.</b>	13. ROLE IN THIS CONTRACT <b>Principal Geotechnical Engineer</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>25</b>	b. WITH CURRENT FIRM <b>13</b>
15. FIRM NAME AND LOCATION (City and State) <b>TIERRA SOUTH FLORIDA, INC., West Palm Beach, Florida</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS Civil Engineering, Christian Brothers University, 1987 MS Civil Engineering, University of Memphis, 1996</b>		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Professional Engineer, Florida No. 53567</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>American Society of Highway Engineers, Past President, Florida Engineering Society, Past Treasurer Geotechnical Material Engineering Council, Past Chairman</b>			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State) <b>SFRC Bascule Bridge over the South Fork of the New River Broward County, Florida</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2013</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. Mr. Krishnasamy was the principal in charge of the geotechnical engineering study for the proposed replacement of about 1.25 miles of South Florida Rail Corridor Bascule Bridge over the New River in Broward County. The project extends from the overpass of Davie Boulevard to the overpass of SR84. Scope of services includes layout, coordination, performing borings on land and water, foundation analysis including piles and drilled shafts, and provided geotechnical recommendations. The proposed bridge structure is very close to the existing structure. Evaluated and analyzed several options including H-piles to brace existing foundation. A part of the proposed track traverses over organic soils. Evaluated various soil improvement options for the proposed track. Provided soil parameters for earth retention options to support the existing track during construction.		
(1) TITLE AND LOCATION (City and State) <b>FDOT District 4 Unknown Foundations Bridge Scour Evaluation Broward County, Florida</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2011</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. Mr. Krishnasamy was the principal in charge of the geotechnical engineering services consisting of estimating pile foundation embedment for 20 bridge structures. Bridges included Andrews Avenue over C-13 Canal Bridge, NE 23 Avenue over Rio Giraldo Canal, NE 26th Terrace over Rio De Sota, Laguna Terrace over Diane River, West Lake Drive over Estelle River, West Lake Drive over Diane River, West Lake Drive over Lucille River, Johnson Street over C-10 Canal, and Kings Highway over Belcher Canal amongst others.		
(1) TITLE AND LOCATION (City and State) <b>Spangler Road Bypass – Geotechnical Engineering Study Port Everglades, Florida</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2010</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Mr. Krishnasamy was the principal in charge of the geotechnical engineering study for the construction of two bridges over Spangler Road, associated embankments/approach on either side of the bridges, security plaza, and roadway improvements on Eisenhower Boulevard. Field work included 14 Standard Penetration Test (SPT) borings. Provided geotechnical recommendations for bridge to support by a prestressed precast pile foundation system or an Auger Cast-in-Place (ACIP) pile foundation system. Provided design criteria, installation recommendations, and other considerations for both driven piles and ACIP piles so that the appropriate foundation system could be chosen depending on cost and feasibility. Also provided engineering recommendations for embankment/approach design options as well as geotechnical engineering recommendations for on-grade roadway widening.		
(1) TITLE AND LOCATION (City and State) <b>Pembroke Road Bridge over I-75 Broward County, Florida</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2011</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. In 2005, Mr. Krishnasamy completed a Geotechnical Engineering Study, including Roadway Soil Survey, High Fill Embankment Report, and Bridge Foundation Report, for the widening and extension of Pembroke Road which included a new bridge over I-75. Field work consisting of SPT borings, auger borings, pavement cores, and BHP tests. Provided laboratory testing, slope stability analysis, pile capacity analysis, summary of subsurface conditions, and geotechnical discussion of bridge foundation alternatives (i.e. drilled shaft vs. pre-stressed pre-cast square concrete piles), soil suitability, and pavement design considerations. In 2009, provided support services for the CEI, i.e. asphalt plant inspection and laboratory services. In 2011, performed a Geotechnical Engineering Study to assist the design team in evaluating proposed MSE Walls.		





(1) TITLE AND LOCATION <i>(City and State)</i> CR-811/Dixie Highway Fly-Over Broward & Palm Beach Counties, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Krishnasamy was the principal in charge of the geotechnical engineering study and provided quality control during construction for the new fly-over in Palm Beach & Broward Counties, Florida. Provided geotechnical report with analysis and recommendations for bridge foundation, MSE Wall and roadway soil survey. Also prepared TSP for Surcharge, Settlement Monitoring and Vibration Monitoring. Geotechnical recommendations also included a discussion of soil suitability, groundwater, and other site/construction considerations. During construction TSF provided sampling of soils and concrete for laboratory testing.		





**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

<b>12. NAME</b> Francois Thomas, P.E.	<b>13. ROLE IN THIS CONTRACT</b> Principal Engineer	<b>14. YEARS EXPERIENCE</b>	
		a. TOTAL <b>21</b>	b. WITH CURRENT <b>FIRM 5</b>
<b>15. FIRM NAME AND LOCATION (City and State)</b> TIERRA SOUTH FLORIDA, INC., West Palm Beach, Florida			
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b> MS in Geotechnical Engineering, 1993 BS in Civil Engineering, 1991		<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b> Professional Engineer, Florida No. 56381	
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b> Special Inspector 7021399, Certified Masonry Inspector, and Radiation Safety Officer			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a. Terminal 4 Improvements Port Everglades, Florida	2013	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  Mr. Thomas was the Principal Engineer for the geotechnical engineering study for the improvements to Terminal 4. Improvements included 1) interior remodeling, 2) construction of internal roadway and parking lots, 3) installation of two loading bridges dockside, 4) installation of canopies at drop-off areas around Terminal 4, and 5) extending slip #2 by dredging. Additionally, 16-inch-diameter or Auger Cast-in Place (ACIP) piles were being considered to support the bridge structures, and the existing grades in parking areas were to be raised 2 to 4 feet. TSF's field work consisted of 3 Standard Penetration Test (SPT) borings, 10 power augers, and 2 BoreHole Permeability (BHP) tests. Provided recommendations regarding site preparation (stripping, compaction, surcharging vs. biaxial geogrid and geotextile, etc.), trench excavations, trench backfill, foundation design for buildings, foundation design alternatives for canopies (shallow/mat foundations vs. deep foundation/ACIP pile design), passenger loading bridge foundation including ACIP pile design criteria, cofferdam soil parameters, flexible pavement design for parking lot/driveway areas, and other construction considerations.		
b. US-1/SR-5 Low Level Bridges Replacement from North of SR 706 at Coastal Way to South of CR A1A (Ocean Boulevard), Jupiter, Florida	2012	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  Mr. Thomas was the geotechnical engineer for the geotechnical engineering study for the US-1/SR-5 Low Level Bridges Replacement from North of SR 706 at Coastal Way to South of CR A1A (Ocean Boulevard) in Jupiter, Florida. Performed percolation tests and preliminary borings for bridges and walls, to assist with the design-build criteria package. Providing quality control and testing services during construction, including soils and concrete testing. Providing laboratory testing, density log book and QC Manager services for compliance with FDOT and project specifications. Providing vibration monitoring services during sheet, steel, test and production pile driving of the Low Level Bridges. Performed pile capacity analysis for the trestle piles installed for crane support.		
c. SR 710 Big John Monahan Bridge Replacement from SW Trail Drive to east of the SR 76 Connector Ramps (Design-Build Project), Martin County, Florida	2013	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  Mr. Thomas was the geotechnical engineer for the geotechnical study for bridge, walls, roadway, and drainage improvements and provided recommendations. The project includes replacement of the SR-710 Big John Monahan Bridge along with associated roadway improvements from SW Trail Drive to east of the SR 76 Connector Ramps in Martin County, Florida. Also provided laboratory services including proctors, sieve analysis, LBR test, and concrete compressive tests. Provided concrete, soils, and pile driving inspections. Also currently provided vibration monitoring for the CSX railroad tracks during pile driving.		
d. Congress Avenue from Lantana Road to South of Melaleuca Lane Palm Beach County, Florida	2012	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  Mr. Thomas was the principal in charge of the verification testing services for Congress Avenue from Lantana Road to South of Melaleuca Lane. Laboratory testing services consisted of Proctors, LBRs, sieve analysis, carbonate content, concrete compressive strength tests. Also performed asphalt testing in TSF's in-house laboratory which included specific gravity, asphalt content, and asphalt density. Provided FDOT certified inspectors to perform verification testing on soils for embankment, drainage, subgrade, and base; testing on concrete for bridge widening including bents, decks, columns, and drilled shafts; pile driving inspection for bridge; drilled shaft inspection for mast arms; and paving inspector to observe placement of first and second lifts, repairs. The inspector also identified random core locations, assisted with cutting cores and transported to our laboratory for testing.		





(1) TITLE AND LOCATION <i>(City and State)</i> Caroline Avenue Crossing over L.W.D.D. L-3 Canal Bridge Replacement Palm Beach County, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Thomas was the geotechnical engineer for the geotechnical study for the installation of pipe culvert over the canal at the intersection of Caroline Avenue and Belvedere Road. Field work included Standard Penetration Test (SPT) borings. Provided summary of subsurface/groundwater conditions. Also provided geotechnical recommendations for site preparation, foundation design, and soil parameters. In 2011 Performed additional BoreHole Permeability (BHP) Tests and provided test results.	<input checked="" type="checkbox"/> Check if project performed with current firm	



**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  
**5**

21. TITLE AND LOCATION *(City and State)*

**Design-Build Rehabilitation of West Bridge and Bear Cut Bridge on Rickenbacker Causeway, Miami-Dade County, Florida**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
**2013**

CONSTRUCTION *(If applicable)*

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

**Hardesty & Hanover, LLP**

b. POINT OF CONTACT NAME

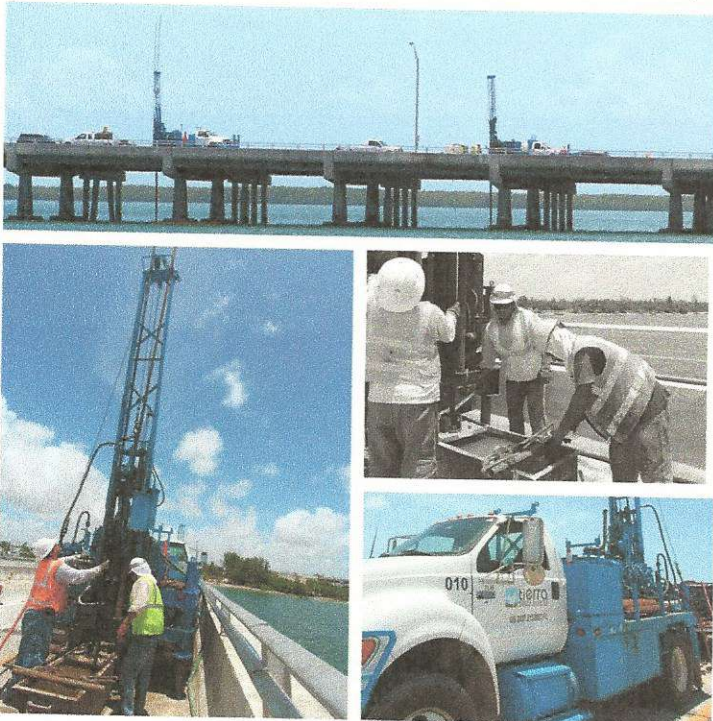
**Mr. Timothy Noles, P.E.**

c. POINT OF CONTACT TELEPHONE NUMBER

**(954) 835-9119**

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

Performed geotechnical engineering study for the bridge widening. The project included constructing French drains on the east and west sides of the bridge. Field work completed included 43 Standard Penetration Test (SPT) borings, 4 BoreHole Permeability (BHP) tests, and rock corings. Performed pile capacity analysis and prepared soil parameters and providing geotechnical engineering recommendations. Additionally performed studies to determine the length and pile capacity of the existing bridge (unknown foundation study).



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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	<b>Tierra South Florida, Inc.</b>	<b>West Palm Beach, FL</b>	<b>Geotechnical Engineering</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE





**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  
**1**

21. TITLE AND LOCATION *(City and State)*  
**Ocean Avenue Bridge**  
**Palm Beach County, Florida**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
**On-going**

CONSTRUCTION *(if applicable)*

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER  
**URS**

b. POINT OF CONTACT NAME  
**Mr. Luis Costa, P.E.**

c. POINT OF CONTACT TELEPHONE NUMBER  
**(561) 862-1117**

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

Performed a preliminary geotechnical study to assist the design team in preparing a conceptual design and developing a preferred alternative for proposed improvements. Provided geotechnical report with analysis and recommendations for alternative bridge/tunnel design options, which included: replacement with a movable bridge, replacement with a fixed bridge, replacement with a tunnel, rehabilitation and repair of the existing bridge. Discussed tunnel design and construction requirements, i.e. Tunnel Boring Machine (TBM), open-pit construction at end ramps, and safety factors regarding uplift force due to buoyancy. Discussed utilizing either Pre-stressed Pre-Cast Square Concrete (PPSC) piles or drilled shafts and performed axial analyses.

Performed verification testing on soils for embankment, drainage, subgrade, and base. Performed testing on concrete for bridge widening including bents, decks, columns, and drilled shafts. Provided pile driving inspection for bridge, drilled shaft inspection for mast arms, and paving inspection.



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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	<b>Tierra South Florida, Inc.</b>	<b>West Palm Beach, FL</b>	<b>Geotechnical Engineering &amp; Material Testing</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE





<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>  2
21. TITLE AND LOCATION <i>(City and State)</i> <b>Bridge over FPL Canal Discharge at Port Everglades</b> <b>Broward County, Florida</b>		22. YEAR COMPLETED  PROFESSIONAL SERVICES 2011  CONSTRUCTION <i>(If applicable)</i>
<b>23. PROJECT OWNER'S INFORMATION</b>		
a. PROJECT OWNER Port Everglades	b. POINT OF CONTACT NAME Mr. John Foglesong	c. POINT OF CONTACT TELEPHONE NUMBER (954)468-0142
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> Provided geotechnical engineering services for the construction of a bridge over the FPL Discharge Canal, associated embankments/approach on either side of the canal, and a roadway that leads south of the bridge to the South Port in Port Everglades, Florida. Field work included Standard Penetration Test (SPT) borings at the proposed bridge end bent locations, in the canal, and for the proposed embankment/approach, auger borings for the proposed roadway, and Borehole Permeability (BHP) tests along the project alignment. Also provided quality control during construction for the new bridge over the FPL Canal Discharge in Port Everglades, Florida. Observed the installation of pre-cast piles for the PDA testing, provided all concrete testing for the bridge construction. Monitored the stabilizing of organic soils (with the use of cement admixtures and mixing) under the proposed bridge approach (2 sides) and performed density testing on embankment, MSE walls, utility backfill, stabilized subgrade, base. Also observed asphalt placement during production, verified mix design for compliance, selected asphalt core locations for testing, monitored placement of prime and tack coats, as well as roller patterns, temperature and thickness during placement.		

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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Tierra South Florida, Inc.	West Palm Beach, FL	Geotechnical Engineering and Quality Control Services
b.			
c.			
d.			
e.			
f.			





<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>3</b>
<b>21. TITLE AND LOCATION (City and State)</b> <b>Flagler Memorial Bridge Replacement</b> <b>Palm Beach County, Florida</b>		<b>22. YEAR COMPLETED</b>
		PROFESSIONAL SERVICES <b>2012</b>
<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b> Kimley-Horn & Associates, Inc.	<b>b. POINT OF CONTACT NAME</b> Mr. Gary Ratay, P.E.	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (954) 535-5100
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)</b>  The Flagler Memorial Bascule (moveable span) Bridge Replacement Design/Build Project consisted of complete replacement of the existing bridge with a new four-lane divided bridge. The new bridge includes two 12-foot wide travel lanes in each direction, an eight-foot wide shoulder on each side, and a 15.5-foot median. There will also be an eight-foot wide sidewalk on each side. The new bridge will be supported by drilled and poured concrete shafts. Other related improvements include new storm water drainage, new signage and pavement markings, and new traffic signals. The new bridge will also feature four pedestrian outlooks and a new tender house, decorative roadway lighting, and LED lighting beneath the bridge. Performed geotechnical study for the potential replacement of the existing Flagler Memorial Bridge over Intracoastal Water Way in Palm Beach County, Florida. The existing Bascule bridge was supported on precast concrete pile foundation system and the new bridge was to be located just south of the existing bridge. Seawall/bulkhead was to be required at both ends of the proposed new bridge. Field work included Standard Penetration Test (SPT) borings. The SPT borings were drilled using truck and barge mounted CME-45/B-57 drill rigs, and mud rotary procedures. Bridge borings were drilled generally to a depth 100 feet below existing grades/mudline. Provided geotechnical report which identified the general subsurface stratigraphy and provided geotechnical recommendations.		

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

<b>a.</b>	<b>(1) FIRM NAME</b> Tierra South Florida, Inc.	<b>(2) FIRM LOCATION (City and State)</b> West Palm Beach, FL	<b>(3) ROLE</b> Geotechnical Engineering
<b>b.</b>	<b>(1) FIRM NAME</b>	<b>(2) FIRM LOCATION (City and State)</b>	<b>(3) ROLE</b>
<b>c.</b>	<b>(1) FIRM NAME</b>	<b>(2) FIRM LOCATION (City and State)</b>	<b>(3) ROLE</b>
<b>d.</b>	<b>(1) FIRM NAME</b>	<b>(2) FIRM LOCATION (City and State)</b>	<b>(3) ROLE</b>
<b>e.</b>	<b>(1) FIRM NAME</b>	<b>(2) FIRM LOCATION (City and State)</b>	<b>(3) ROLE</b>
<b>f.</b>	<b>(1) FIRM NAME</b>	<b>(2) FIRM LOCATION (City and State)</b>	<b>(3) ROLE</b>



<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> <p style="text-align: center;">4</p>		
<b>21. TITLE AND LOCATION (City and State)</b> <b>Spangler Road Bypass at Port Everglades</b> <b>Broward County, Florida</b>		<b>22. YEAR COMPLETED</b> <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2010</td> <td>CONSTRUCTION (if applicable)</td> </tr> </table>	PROFESSIONAL SERVICES 2010	CONSTRUCTION (if applicable)
PROFESSIONAL SERVICES 2010	CONSTRUCTION (if applicable)			
<b>23. PROJECT OWNER'S INFORMATION</b>				
<b>a. PROJECT OWNER</b> Craven Thompson & Associates	<b>b. POINT OF CONTACT NAME</b> Mr. Thomas McDonald	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (954) 739-6400		
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)</b>  <p>Performed a geotechnical engineering study for the construction of two bridges over Spangler Road, associated embankments/approach on either side of the bridges, security plaza, and roadway improvements on Eisenhower Boulevard. Field work included 14 Standard Penetration Test (SPT) borings. Provided geotechnical recommendations for bridge to support by a prestressed precast pile foundation system or an Auger Cast-in-Place (ACIP) pile foundation system. Provided design criteria, installation recommendations, and other considerations for both driven piles and ACIP piles so that the appropriate foundation system could be chosen depending on cost and feasibility. Also provided engineering recommendations for embankment/approach design options as well as geotechnical engineering recommendations for on-grade roadway widening.</p>				

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

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Tierra South Florida, Inc.	West Palm Beach, FL	Geotechnical Engineering
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
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





<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>6</b>
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<b>21. TITLE AND LOCATION (City and State)</b> <b>SFRC Bascule Bridge over the South Fork of the New River</b> <b>Broward County, Florida</b>	<b>22. YEAR COMPLETED</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">PROFESSIONAL SERVICES</td> <td style="width:50%;">CONSTRUCTION (If applicable)</td> </tr> <tr> <td style="text-align: center;">2013</td> <td></td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2013	
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)				
2013					

<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b> Jacobs Engineering	<b>b. POINT OF CONTACT NAME</b> Ms. Nandita Kaundinya, P.E.	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (954) 246-1234

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

Performed a geotechnical engineering study for the proposed replacement of about 1.25 miles of South Florida Rail Corridor Bascule Bridge over the New River in Broward County. The project extends from the overpass of Davie Boulevard to the overpass of SR84. Scope of services includes layout, coordination, performing borings on land and water, foundation analysis including piles and drilled shafts, and provided geotechnical recommendations. The proposed bridge structure is very close to the existing structure. Evaluated and analyzed several options including H-piles to brace existing foundation. A part of the proposed track traverses over organic soils. Evaluated various soil improvement options for the proposed track. Provided soil parameters for earth retention options to support the existing track during construction.

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

a.	(1) FIRM NAME <b>Tierra South Florida, Inc.</b>	(2) FIRM LOCATION (City and State) <b>West Palm Beach, FL</b>	(3) ROLE <b>Geotechnical Engineering</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
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





<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>7</b>
21. TITLE AND LOCATION <i>(City and State)</i> <b>Hatton Highway Bridge Over PDD Main Canal 2 Palm Beach County, Florida</b>		22. YEAR COMPLETED
		PROFESSIONAL SERVICES 2013
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER R.J. Behar and Company, Inc.	b. POINT OF CONTACT NAME Mr. Sean O'Keefe, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER (561) 333-7000
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		
<p>TSF performed a geotechnical engineering study for the bridge replacement over Canal 2, associated MSE walls, and roadway widening of Hatton Highway to the north and south of the new bridge. The purpose of this study was to provide Geotechnical (i.e. soils and groundwater) input to the design team to assist in evaluation of the merits of the proposed bridge replacement and MSE Walls. Performed a Geotechnical field study that included a total of four (4) Standard Penetration Test (SPT) borings drilled to a depth of 75 feet below the existing grade for the bridge replacement, and a total of six (6) SPT borings drilled to 40 feet deep for the proposed MSE walls. Also obtained soil sampled at the bottom of the canal for scour analysis. Laboratory testing consisted of testing to establish soil properties, including corrosion tests. Performed pile capacity analyses, prepared soil parameters for FV-pier analysis, and conducted global stability and settlement analysis for MSE walls. Provided geotechnical recommendations for bridge foundation as well as MSE walls.</p> <p>Also provided Roadway Soil Survey Report for the Hatton Highway Bridge Approach Widening. The existing roadway (Hatton Highway) consists of a two-lane rural road facility with mostly grass shoulders. Field work for the roadway widening included 13 auger borings. Also performed limited laboratory testing to establish soil properties. Provided report detailing subsurface conditions/soil strata and groundwater conditions. Also provided geotechnical recommendations for site preparations, removal of organics, excavations, temporary side slopes, pavement design considerations, and on-site soil suitability.</p>		

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

a.	(1) FIRM NAME <b>Tierra South Florida, Inc.</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>West Palm Beach, FL</b>	(3) ROLE <b>Geotechnical Engineering</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE





**G. 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 participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Raj Krishnasamy, P.E.	Principal Engineer	X	X	X	X	X	X	X			
Francois Thomas, P.E.	Principal Engineer	X	X	X		X	X				

**29. EXAMPLE PROJECTS KEY**

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Ocean Avenue Bridge Palm Beach County, Florida	6	SFRC Bascule Bridge over the South Fork of the New River Broward County, Florida
2	Bridge over FPL Canal Discharge at Port Everglades Broward County, Florida	7	Hatton Highway Bridge Over PDD Main Canal 2 Palm Beach County, Florida
3	Flagler Memorial Bridge Replacement Palm Beach County, Florida	8	
4	Spangler Road Bypass at Port Everglades Broward County, Florida	9	
5	Design-Build Rehabilitation of West Bridge and Bear Cut Bridge on Rickenbacker Causeway, Miami-Dade County, Florida	10	





## H. ADDITIONAL INFORMATION

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

### Company Profile

Tierra South Florida, Inc. is a multi-disciplinary geotechnical, materials engineering and inspection firm, offering professional engineering and associated consulting services to both the public and private sectors. The primary service areas are:

1. Geotechnical Engineering
2. Field and laboratory construction materials engineering inspection and testing
3. Threshold/Special Inspections

The geotechnical and materials engineering services provide clients with the comprehensive range of siting, planning, design, construction and quality control disciplines required for major construction projects.

Mr. Raj Krishnasamy, P.E. qualifies as a minority by Federal Guidelines. Mr. Krishnasamy is a licensed Engineer with 25 years of experience in geotechnical, material engineering and inspection services.

### Geotechnical Engineering

Tierra South Florida can provide a complete range of geotechnical engineering services. These services include site assessments, planning, field and laboratory investigations, design specifications and recommendations, quality control, instrumentation and performance studies. Applications are for all types of buildings, airport facilities, transportation systems, landfills, dams, and other civil and private projects. Tierra South Florida's primary market is minority business set aside by City, County, State and Federal agencies.

### Construction Materials Engineering and Testing

Tierra South Florida offers materials engineering, testing and inspection services applicable to the governmental, construction and manufacturing industries. Tierra South Florida will evaluate and then develop recommendations regarding both existing structures and new construction. During construction, monitoring and quality control services will cover every phase of construction and all materials used.

### Laboratory Facilities

Tierra South Florida operates its own laboratory facilities in order to better meet the needs of its clients. This laboratory provides specialized testing services associated with geotechnical, engineering, and construction materials. Tierra South Florida's laboratory facilities are designed and operated to provide fast, reliable information to assure the meeting of client's needs. The geotechnical operations of Tierra South Florida are supported by state-of-the-art soil testing capabilities. Tierra South Florida has a laboratory for the testing of non-contaminated soils and materials. The trained and certified laboratory staff will routinely perform physical properties testing of soil, rock, concrete, steel, asphalt, and composite building materials. These testing services are performed in support of all project phases, including site investigations and assessments, design, and construction.

### Corporate and Project Management Philosophy

The Tierra South Florida organization is committed to minimizing corporate administrative control which allows both branch management and specific technical teams to take correct and timely actions to meet the objectives of their clients. Employees stress quality, responsive services in which they will take a great deal of pride. Client satisfaction with the quality of Tierra South Florida's work, past and future, will result in a large percentage of work to be performed for repeat clients.

### Interaction with Regulatory Agencies

Tierra South Florida has an excellent working relationship with the Florida Department of Transportation as well as the South Florida Water Management District. When working within right of way of these agencies, Tierra South Florida will submit an application for request of work permit and obtain the proper authorization prior to proceeding with work. Tierra South Florida will then follow up with a meeting to explain the scope in detail, and notify the agency at completion.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

February 20, 2014

33. NAME AND TITLE

Raj Krishnasamy, P.E. / President, Principal Engineer











# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
09/06/2013

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

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

<b>PRODUCER</b> 1-800-524-0191 Arthur J. Gallagher Risk Management Services, Inc.  200 S. Orange Ave Suite 1350 Orlando, FL 32801 Justin Wiley	<b>CONTACT NAME:</b> Maura Jordan <b>PHONE (A/C No, Ext):</b> 407-563-3531 <b>E-MAIL ADDRESS:</b> Maura_Jordan@ajg.com	<b>FAX (A/C, No):</b> 407-370-3057
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> Tierra South Florida, Inc.  2765 Vista Parkway, Suite 9  West Palm Beach, FL 33411	<b>INSURER A:</b> CHARTER OAK FIRE INS CO NAIC # 25615	
	<b>INSURER B:</b> HANOVER AMER INS CO NAIC # 36064	
	<b>INSURER C:</b> COMMERCE & INDUSTRY INS CO NAIC # 19410	
	<b>INSURER D:</b> PHOENIX INS CO NAIC # 25623	
	<b>INSURER E:</b> AMERICAN SAFETY IND CO NAIC # 25433	
	<b>INSURER F:</b>	

**COVERAGES** **CERTIFICATE NUMBER: 35606565** **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			6604A746484	09/01/13	09/01/14	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			AWJ-074773-00	09/01/13	09/01/14	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input checked="" type="checkbox"/> CLAIMS-MADE DED RETENTION \$			BE015628722	09/01/13	09/01/14	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	UB4A989224	09/01/13	09/01/14	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
E	Contractors Pollution Liability			CPL0270701304	09/01/13	09/01/14	Aggregate 2,000,000 Each Loss 1,000,000

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

**CERTIFICATE HOLDER**

Proof of Insurance  
 Tierra South Florida, Inc.  
  
 2765 Vista Parkway, Suite 9  
  
 West Palm Beach, FL 33411

USA

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*Pete Dyke*



# State of Florida

## Minority, Women & Florida Veteran Business Certification

Tierra South Florida, Inc.

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

12/30/2013

to

12/30/2015



DEPARTMENT OF MANAGEMENT  
**SERVICES**



*Craig J. Nichols*  
Craig J. Nichols, Secretary  
Florida Department of Management Services





**Office of Economic and  
Small Business Development**

Governmental Center Annex  
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6010 • TTY 954-357-5664

*This Certificate is Awarded to:*

**TERRA SOUTH FLORIDA, INC.**

As set forth in the Business Opportunity Act of 2004  
and/or the County Business Enterprise Act of 2009, the  
certification requirements have been met for:

**County Business Enterprise**

**BC -- CBE --Certificate Expires: 04/19/2014**

  
Small Business Development Manager

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control.  
Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A service of the Broward County Board of County Commissioners  
[www.broward.org/smallbusiness](http://www.broward.org/smallbusiness)



PROFESSIONAL LICENSES

# State of Florida



## Board of Professional Engineers

Attests that  
**Tierra South Florida, Inc.**

*Has satisfied the requirements of Section 471.023, Florida Statutes. In recognition thereof, the Board of Professional Engineers hereby authorizes this firm to offer engineering services in the State of Florida in accordance with Chapter 471, Florida Statutes, and the rules of the Board.*



CERTIFICATE OF  
AUTHORIZATION NO. **28073**  
FEMC-CA-022809-108-I

Witness the Seal of the Board and the Signature  
of the Board's duly authorized Chair

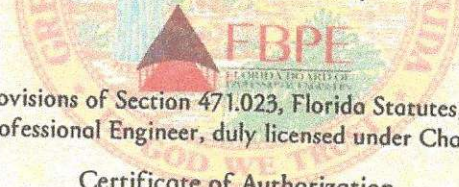
this 13 day of APR, 2008

*John C. Bule*  
CHAIR

# State of Florida

## Board of Professional Engineers

Attests that  
**Tierra South Florida, Inc.**



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: 2/28/2015  
Audit No: 228201500974

Certificate of Authorization

CA Lic. No:  
28073

# State of Florida

## Board of Professional Engineers

Attests that  
**Raj Krishnasamy, P.E.**



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

Expiration: 2/28/2015  
Audit No: 228201504760

P.E. Lic. No:  
53567

# *State of Florida*

## *Department of State*

I certify from the records of this office that TIERRA SOUTH FLORIDA, INC. is a corporation organized under the laws of the State of Florida, filed on October 7, 2003, effective October 17, 2003.

The document number of this corporation is P03000110144.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on January 3, 2014, and 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 Third day of January, 2014*



*Ken DeJong*  
*Secretary of State*

Authentication ID: CC0325447345

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

<https://efile.sunbiz.org/certauthver.html>



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

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

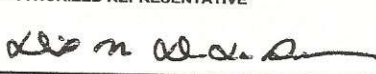
<b>PRODUCER</b> USI Insurance Services, LLC 1715 N. Westshore Blvd. Suite 700  Tampa, FL 33607		<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): <b>813 321-7500</b> FAX (A/C, No): <b>813 321-7525</b> E-MAIL ADDRESS:																						
<b>INSURED</b> Tierra South Florida, Inc. 2765 Vista Parkway, Suite 9 West Palm Beach, FL 33411		<table border="1"> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A :</td> <td><b>Hudson Insurance Company</b></td> <td><b>25054</b></td> </tr> <tr> <td>INSURER B :</td> <td></td> <td></td> </tr> <tr> <td>INSURER C :</td> <td></td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> <td></td> </tr> </table>		INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A :	<b>Hudson Insurance Company</b>	<b>25054</b>	INSURER B :			INSURER C :			INSURER D :			INSURER E :			INSURER F :		
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INSURER F :																								

**COVERAGES**      **CERTIFICATE NUMBER:**      **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>GENERAL LIABILITY</b> <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						<input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
<b>A</b>	<b>Professional Liability</b>			<b>AEE7265402</b>	<b>09/01/2013</b>	<b>09/01/2014</b>	<b>\$1,000,000 per claim</b> <b>\$2,000,000 annl agr.</b>

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
**Professional Liability coverage is written on a claims-made basis.**  
**For Proposal Purposes**

<b>CERTIFICATE HOLDER</b> Tierra South Florida 2765 Vista Parkway Suite 9 West Palm Beach, FL 33411	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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**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.