

Craven Thompson & Associates, Inc.

Bid Contact **Patrick Gibney**
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Address **3563 NW 53 Street**
Fort Lauderdale, FL 33309

Item #	Line Item	Notes	Unit Price	Qty/Unit	Atch.	Docs
PSEN-18-02--01-01	Please submit documents here.	Supplier Product Code:	First Offer -	1 / each	Y	Y
						Supplier Total \$0.00

Craven Thompson & Associates, Inc.

Item: Please submit documents here.

Attachments

CTAs SOQ for City of Pembroke Pines PSEN-18-02.pdf



**Craven Thompson
& Associates, Inc.**
Project Management
Engineering
Landscape Architecture
Surveying & Planning

3563 NW 53rd Street, Fort Lauderdale, FL 33309
Phone: (954) 739-6400

PREPARED FOR



City of Pembroke Pines

SOLICITATION • PSEN - 18-02

PSEN-18-02

PROFESSIONAL SERVICE PROVIDERS (ARCHITECTURAL,
ENGINEERING, SURVEYING & MAPPING)

- GENERAL CIVIL AND ENVIRONMENTAL ENGINEERING
- LAND SURVEYING SERVICES
- LANDSCAPE ARCHITECTURE SERVICES

AUGUST 24TH, 2018

PDF FORMAT





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Tab 1
Letter of Interest

**TAB 1 - LETTER OF INTEREST**

July 24, 2018

The City of Pembroke Pines Purchasing Division
8300 South Palm Drive
Pembroke Pines, Florida 33025

**RE: REQUEST FOR QUALIFICATIONS # PSEN-18-02
PROFESSIONAL SERVICE PROVIDERS (ARCHITECTURAL, ENGINEERING, SURVEYING & MAPPING)**

Dear Selection Committee Members:

In response to the **City of Pembroke Pines**' request for qualifications seeking "Professional Service Providers", **Craven Thompson and Associates, Inc.** (CTA) is pleased to submit this Statement of Qualifications (S.O.Q.) for your consideration. CTA is submitting this S.O.Q. to be considered for the categories including: **General Civil and Environmental Engineering; Land Surveying Services; and Landscape Architectural Services**. We have provided these similar services to many of our past municipal clients. CTA is very familiar with the design, permitting and construction of projects such as that described in the Scope of Services for this RFQ. These types of projects have been the core of CTA's business for the past fifty-six (56) years.

CTA is a Fort Lauderdale based eighty-five (85) person corporation with twenty-nine (29) civil engineers (13 are registered), five (5) professional surveyors and mappers, nine (9) field crews, and four (4) registered landscape architects. CTA's proposed eight (8) person engineering team averages thirty-two (32) years of total experience in civil engineering and construction and have been with CTA on average seventeen (17) years. Our proposed four (4) person surveying team averages forty (40) years of total experience in surveying and have been with CTA on average twenty-two (22) years. The CTA proposed four (4) person landscape architectural team averages nineteen (19) years of total experience in landscape architecture and have been with CTA on average thirteen (13) years. CTA was established in Fort Lauderdale in 1962 and maintains its' headquarters in Fort Lauderdale (office from where work will be performed) and has a Branch Office in Delray Beach.

Office Location Providing Services and Point of Contact:

Patrick J. Gibney, P.E., Vice President, Engineering
Craven Thompson & Associates, Inc.
3563 NW 53rd Street
Fort Lauderdale, Florida 33309
Phone: (954) 739-6400
Email: pgibney@craventhompson.com

We have provided civil engineering, land surveying, and landscape architectural services to numerous municipalities and governmental agencies including; the City of Miramar, the City of Hallandale Beach, the City of Sunrise, the City of Plantation, the City of Lauderdale Lakes, the City of Lauderhill, the City of North Lauderdale, the City of Fort Lauderdale, the City of Hollywood, the City of Pompano Beach, the City of Oakland Park, the City of Margate, the City of Coconut Creek, the City of Coral Springs, the City of Dania Beach, the City of Deerfield Beach, the City of Lake Worth, the City of Greenacres, the City of Boca Raton, the City of Miami Gardens, the City of North Miami, the City of North Miami Beach, the City of Miami Beach, the City of Miami Springs, the City of Aventura, the Town of Lake Park, the Town of Lauderdale-by-the-Sea, the Town of Davie, Broward County Highway Construction and Engineering Division, Broward County Water and Wastewater Services, the School Board of Broward County, Port Everglades, the Central Broward Water Control District, the Tindall Hammock Irrigation and Soil



TAB 1 - LETTER OF INTEREST

Conservation District, and the Tri-County Commuter Rail Authority. We have a successful track record in providing planning, public outreach, design, permitting and CEI services to numerous municipalities and governmental agencies.

These projects include: topographic surveys, boundary surveys, hydrographic surveys, route surveys, specific purpose surveys, legal descriptions, digital terrain modeling, roadway, complete street design & streetscape improvement projects; traffic calming projects; infrastructure redevelopment, water and sanitary sewer rehabilitation and construction projects, lift station rehabilitations; studies and reports; stormwater management/drainage projects, water quality projects, sustainability improvements, passive and active park and recreation facilities; median enhancements, urban design & planning, gateway enhancement, major and minor Capital Improvement Projects for Broward, Palm Beach and Dade County municipalities; cost estimating, other landscape architectural & engineering design, project management and construction services. Projects have ranged in size and complexity from a small urban park to six thousand (6,000) acres of infrastructure redevelopment for Broward County. For detailed experience see our Standard Form 330 in Tab 2 of this submittal.

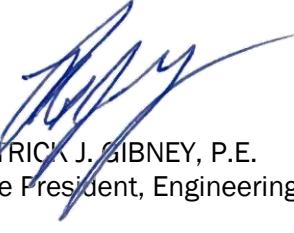
CTA is currently under contract for a number of projects with multiple clients. In 2017, CTA was at a company-wide utilization rate of 66%. The business plan target composite utilization rate for the company is 75%. The targeted rate accounts for holiday, vacation, marketing, administration, illness, and other non-billable time. CTA employs a very small yet efficient number of administration personnel which contributes significantly to reducing our costs. Our projected workload is approximately at the 2017 level for the next six to twelve months. We should be at a company-wide utilization of approximately 68% - 69% at that time. After that time (one year), assuming no new major projects are initiated, we should remain at roughly 68% - 69% utilization. Our project managers will be able to devote approximately twenty-five (25) percent of their time to projects under this contract. Some work will shift from survey to design, and other work would move from design to construction. Based on our current and projected workload, The City of Pembroke Pines can be assured that CTA will provide the staff and the resources necessary to complete the necessary services on time and within the budget requirements.

CTA will provide general civil engineering, land surveying, and landscape architectural services. The CTA team will also include **The Chappell Group (TCG)** providing environmental services, **Absolute Civil Engineering Solutions (ACES)** providing geotechnical and testing services; **MUE Engineers** providing structural engineering; **Masuen Consulting LLC** providing irrigation design services, **InfraMap Corp** providing subsurface utility locates, **Electrical Design Associates (EDA)** providing lighting design and electrical engineering, **Bailey Engineering Consultants** for controls and instrumentation, **HBC Engineering Company** providing traffic studies (as necessary), MOT and signal design services, and **GPI Geospatial** providing photogrammetry and LiDAR.

We sincerely appreciate the opportunity of providing this response to the City of Pembroke Pines and hope to create a mutually beneficial relationship with the City and staff.

Sincerely,

CRAVEN THOMPSON & ASSOCIATES, INC.


PATRICK J. GIBNEY, P.E.
Vice President, Engineering

PJG/tg

Tab 2
Standard Form 330

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

Professional Service Providers (Architectural, Engineering, Surveying & Mapping), Pembroke Pines, Florida

2. PUBLIC NOTICE DATE

June 26, 2018

3. SOLICITATION OR PROJECT NUMBER

PSEN-18-02

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Patrick J. Gibney, P.E., Vice President, Engineering

5. NAME OF FIRM

Craven Thompson & Associates, Inc.

6. TELEPHONE NUMBER

(954) 739-6400

7. FAX NUMBER

(954) 739-6409

8. E-MAIL ADDRESS

pgibney@craventhompson.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	J-V PARTNER	SUBCONTRACTOR			
a.	<input checked="" type="checkbox"/>			Craven Thompson & Associates, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	3563 NW 53 rd Street Fort Lauderdale, Florida, 33309	General Civil and Environmental Engineering, Land Surveying-, and Landscape Architectural Services
b.			<input checked="" type="checkbox"/>	HBC Engineering Co. <input type="checkbox"/> CHECK IF BRANCH OFFICE	13155 SW 134th Street, Suite 207 Miami, Florida 33186	Traffic and Signal Design
c.			<input checked="" type="checkbox"/>	The Chappell Group <input type="checkbox"/> CHECK IF BRANCH OFFICE	714 East McNab Road Pompano Beach, Florida 33060	Environmental Services
d.			<input checked="" type="checkbox"/>	MUEngineers, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	3440 NE 12th Avenue Oakland Park, Florida 33334	Structural Engineering
e.			<input checked="" type="checkbox"/>	Absolute Civil Eng. <input type="checkbox"/> CHECK IF BRANCH OFFICE	4121 SW 47th Avenue, Suite 1319 Davie, Florida 33314	Geotechnical Engineering and Testing Services
f.			<input checked="" type="checkbox"/>	Masuen Consulting, LLC <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	32801 Highway 441 N. #293 Okeechobee, Florida 34972	Irrigation Design Services
g.			<input checked="" type="checkbox"/>	Electrical Design Assoc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	8401 Lake Worth Road, Suite 221 Lake Worth, Florida 33467	Lighting and Electrical Power Source
h.			<input checked="" type="checkbox"/>	Bailey Consulting <input type="checkbox"/> CHECK IF BRANCH OFFICE	10620 Griffin Road, Suite 202 Cooper City, Florida 33328	Controls Instrumentation for Lift Stations
i.			<input checked="" type="checkbox"/>	GPI Geospatial <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	423 S. Keller Road, Suite 300 Orlando, Florida 32810	Mobile LiDAR, Photogrammetry
j.			<input checked="" type="checkbox"/>	InfraMap Corp. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1860 Old Okeechobee Road, #201 West Palm Beach, Florida 33409	Sub-Surface Utility Locates

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

 (Attached)

D. Organizational Chart of Proposed Team



PROJECT MANAGER LANDSCAPE ARCHITECTURE

Joseph Handley, R.L.A.



PROJECT MANAGER CIVIL / PRINCIPAL-IN-CHARGE

Patrick J. Gibney, P.E.



PROJECT MANAGER SURVEYING

Richard D. Pryce, P.S.M.



LANDSCAPE ARCHITECTURE

Douglas Schultz, R.L.A. LEED AP
Scott Peavler R.L.A.

Caleb Rothenberger, R.L.A. LEED AP



CIVIL ENGINEERS

Douglas Taylor, P.E.
Matthew Cigale, P.E.
Robert Connors, P.E.
Adolfo Gonzalez, P.E. LEED-AP

Phillip Joseph, P.E.
Luis Pimentel, E.I.

CONSTRUCTION

Don Shaver
James Shedd



SURVEYING

Nicholas Messina, Jr., P.S.M.
Douglas Davie, P.S.M.
Thomas Shahan, P.S.M.



IRRIGATION

Judy Jensen



PHOTOGRAMMETRY & LIDAR

Matthew LaLuzerne, P.S.M.
Iarelis Hall, P.S.M.



TRAFFIC STUDIES / TRAFFIC SIGNALS

Adebayo Coker, P.E.
Jose Lopez, P.E.
Gerard Osbourne, P.E.



Electrical Design Associates Inc.



ELECTRICAL & INSTRUMENTATION

Lillian Reyes, P.E.
Stephen Bailey, P.E.



ENVIRONMENTAL SERVICES

Tyler Chappell
Kathryn Bongazone



STRUCTURAL ENGINEERING

Marcus Unterweger, P.E.
Ricardo Madriz, P.E., LEED AP



GEOTECHNICAL ENGINEERING & TESTING

Wayne Webb, P.E.



SUB-SURFACE UTILITY LOCATES

Andres Garcia, ULM

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

12. NAME Patrick J. Gibney, P.E.	13. ROLE IN THIS CONTRACT Principal-In-Charge/Civil and Environmental Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 31	b. WITH CURRENT FIRM 25

15. FIRM NAME AND LOCATION (City and State)

Craven Thompson & Associates, Inc., 3563 NW 53rd Street, Fort Lauderdale, Florida 33309

16. EDUCATION (DEGREE AND SPECIALIZATION)

Rutgers, The State University, Bachelor of Science, Civil Engineering (1987)

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Professional Engineer - Florida No. 49428 (1995)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

American Society of Civil Engineers

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Original Section Drainage Improvements Greenacres, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014 - 2015	(2) YEAR COMPLETED CONSTRUCTION (If applicable) 2016 Phase I Complete	
		<input checked="" type="checkbox"/> Check if project performed with current firm	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Gibney was Project Manager. The project required 4,500 linear feet of drainage pipe, 21,615 linear feet of ditch re-shaping, longs lengths of sidewalk replacement, driveway restorations, and pavement restoration. The Phase 1 project required installation of 500 linear feet of 36" RCP storm pipe, 1,010 linear feet of 24" RCP Storm Pipe, 156 linear feet of 18" RCP Storm Pipe, 156 linear feet of 12"x18" RCP storm Pipe, significant ditch reshaping, sidewalk replacement, and replacement of outfall to LWDD canal.			
(1) TITLE AND LOCATION (City and State) NE 34 th Court Complete Streets Project Oakland Park, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) 2015	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for engineering services for the design and permitting of approximately 0.70 miles of roadway improvements on NE 34 th Court from NE 2 nd Avenue to Dixie Highway. The streetscape and engineering services included surveying full roadway reconstruction design, stormwater management, ADICPR modeling and design, utility coordination and relocation, landscape and streetscape enhancement, and all associated permitting.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Eastside Infrastructure Improvements, Phases 2 & 3 Davie, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2017	CONSTRUCTION (If applicable) 2018	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager – The project included 14,800 linear feet of 6" diameter main, 5,075 linear feet of 8" diameter main, and 5,140 linear feet of 12" diameter main. The sanitary improvements included 11,455 linear feet of 8" diameter pipe, 40 sanitary manholes and 2,945 linear feet of 16" diameter forcemain. The project also included 18,940 linear feet of storm sewer and the reconstruction of 5.2 miles of roadway.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Stormwater Improvements for Durrs & River Oaks Neighborhoods Fort Lauderdale, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 - 2018	CONSTRUCTION (If applicable) Estimated 2020	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Craven Thompson is developing construction documents - storm sewers system (design, permitting, & CEI services) for the two neighborhoods, Durrs and River Oaks. Our design addresses sea level rise – backflow prevention and seawall height. In addition, we are designing Nutrient separating baffle boxes (NSBB), STORMCEPTOR water quality structures, implementing bio-swales, re-grading swales, and creating a wetland preserve/retention area to serve as stormwater impoundment, habitat, and recreation.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Floranada Road Traffic Calming Improvements Oakland Park, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2011 - 2012	CONSTRUCTION (If applicable) 2013	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. The City of Oakland Park was seeking to implement traffic calming measures to enhance the safety of pedestrians and automobiles on Floranada Road, between Dixie Highway and Federal Highway. Improvements surveyed, designed and permitted by Craven Thompson included traffic roundabouts at the roadways intersections with NE 13 th Avenue and NE 16 th Avenue. Two traffic chokers were installed at NE 15 th Avenue and at NE 15 th Terrace.		<input checked="" type="checkbox"/> Check if project performed with current firm	



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

12. NAME Douglas R. Taylor, P.E.	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE a. TOTAL 34	b. WITH CURRENT FIRM 7
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15. FIRM NAME AND LOCATION (City and State)

Craven Thompson & Associates, Inc., 3563 NW 53rd Street, Fort Lauderdale, Florida 33309

16. EDUCATION (DEGREE AND SPECIALIZATION)

University of Illinois (UIUC)

Bachelor of Civil Engineering (1984)

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Professional Engineer - Florida No. 50569 (1996)

Professional Engineer - IL No. 44542 (1988)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

-FEMA ICS 100,200,700,800 - FEMA G300, G400

-Florida Green Building Council

-Florida Redevelopment Association

-APWA

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) LW 2020 Mater Plan Year 1 Improvements Lake Worth, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013 - 2014 CONSTRUCTION (if applicable) 2015 - 2016	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. Project Director. Project includes design and permitting. Year 1 of the Lake Worth 2020 Master Plan. The project includes the rehabilitation of right-of-way infrastructure including roadways, alleys, curb, sidewalk, hardscape, drainage, and potable water. The project includes over 13,000 LF of roadway and storm sewer along with in excess of 6,000 linear feet of watermain.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Comprehensive Stormwater Master Plan Aventura, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2018 CONSTRUCTION (if applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. Creation of an ICPR Software model of the existing stormwater system including the integration of previous models performed for the area. A stormwater capital improvement plan is being created based on the results of the model. Also developing a comprehensive <i>Operations and Maintenance Manual</i> for the City's stormwater system.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Miramar Historical Area Complete Streets Project - Phase II Miramar, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (if applicable) 2018	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE c. Project Manager for the Design and permitting of the complete streets project. The project includes six (6) streets in the Historical Area. The improvements include: sidewalks, ADA ramps, crosswalks, pedestrian level lighting, landscaping and hardscape. The City received a grant through the Broward Redevelopment Program for the improvements.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Miami Springs City-Wide ADA Ramps Miami Springs, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (if applicable) 2015 - 2016	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE d. Mr. Taylor assisted with the design and permitting of new and replacement ADA ramps throughout the City. The project is funded through the legislative appropriation process. The project includes field evaluation of intersections throughout the City to determine the location of non-conforming or missing ADA ramps. Craven Thompson developed a set of construction plans for installation of the ramps per FDOT standards. The plans are currently under review at FDOT.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Hallandale Beach Stormwater Master Plan & BODR Hallandale Beach		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2016 CONSTRUCTION (if applicable) NA	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE e. Basis of Design Report (BODR) that functions as a comprehensive document that assesses various infrastructure improvements, both underground and surface, and utilizes the outcome as a basis for preparing construction documents. This includes City-Wide Master Planning for the 2,800 acres including, a Stormwater Master Plan, water, wastewater, drainage, complete streets, local roads, sidewalk, landscaping and lighting. CTA developed a Capital Improvement Plan and schedule.		<input checked="" type="checkbox"/> Check if project performed with current firm	



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

12. NAME Matthew Cigale, P.E.	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 21	b. WITH CURRENT FIRM 19

15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309	16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science, Civil Engineering, Clarkson University, Potsdam, New York (1996)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer - Florida No. 74584 (2012)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Member, American Society of Mechanical Engineers, Computer Skills: AutoCAD, MicroStation, SewerCAD, WaterCAD	19. RELEVANT PROJECTS
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(1) TITLE AND LOCATION (City and State) Swale, Sidewalk, Drainage and Roadway Improvements Hallandale Beach, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2016
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a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Cigale was project manager for ADA connections, details and cross-sections for the Project. The sidewalk was installed to complete the existing neighborhood sidewalk network. Swales were constructed adjacent to the new sidewalks and exfiltration trench was installed to eliminate nuisance flooding.	<input checked="" type="checkbox"/> Check if project performed with current firm
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(1) TITLE AND LOCATION (City and State) Garden Acres Neighborhood Improvements City of Oakland Park, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2011 - 2012	CONSTRUCTION (If applicable) 2013
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b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for preparation of Contract Documents, Permitting and Construction Management for 25-acre residential infrastructure improvement(s) retrofit within the City of Oakland Park. Services included: roadway design; stormwater design; water distribution system design; wastewater collection & transmission systems design; permitting; bidding assistance and construction administration.	<input checked="" type="checkbox"/> Check if project performed with current firm
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(1) TITLE AND LOCATION (City and State) NE 38 th Street Complete Streets Project Oakland Park, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2015
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c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for preparation of Report, Contract Documents, Permitting and Construction Management for 980-acre infrastructure improvements retrofit within unincorporated Broward County. Services include: roadway design; sidewalk design; swale rehabilitation; pavement marking & signage; stormwater design; water distribution system design; wastewater collection & transmission systems design and permitting.	<input checked="" type="checkbox"/> Check if project performed with current firm
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(1) TITLE AND LOCATION (City and State) Lake Worth 2020 Master Plan – Year 1 Improvements Lake Worth Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014-2017	CONSTRUCTION (If applicable) In Progress
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d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project includes design, permitting, Year 1 of the Lake Worth 2020 Master Plan. The project includes the rehabilitation of right-of-way infrastructure including roads, alleys, curb, sidewalk, hardscape, drainage, and potable water. The project includes over 13,000 linear feet of roadway and storm sewer along with in excess of 6,000 linear feet of water main.	<input checked="" type="checkbox"/> Check if project performed with current firm
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(1) TITLE AND LOCATION (City and State) North County Neighborhood Improvement Project, NE Quadrant Broward County, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2007 – 2011 (Phased)	CONSTRUCTION (If applicable) 2010 – 2014 (Phased)
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e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Was responsible for the Infrastructure rehabilitation and replacement project. Special role included modeling and design of water, sanitary and stormwater management systems. The 720-acre project consisted of roadways, alleys, sidewalks, swales, drainage, sanitary sewer and watermain.	<input checked="" type="checkbox"/> Check if project performed with current firm
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E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME Robert M. Connors, P.E.	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 33	b. WITH CURRENT FIRM 27
15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309			
16. EDUCATION (DEGREE AND SPECIALIZATION) University of Florida, Gainesville, Florida (1984) Bachelor of Science - Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer - Florida No. 41863 (1989)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Engineering Society (FES)			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Lift Station A-6 Upgrade Project Hollywood, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for This project involved the reconstruction of sanitary sewer Lift Station A6 which included the replacement of the existing suction lift pump station with a new wet well, submersible pumps, converting the existing wet well into a manhole, valve vault, panels, SCADA system as well as hardscape and landscaping. The new lift station will also be designed to accept City standard transfer switch for a generator.			
(1) TITLE AND LOCATION (City and State) Utility Analysis Zone Improvement Program (UAZ) 308 Broward County, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2011	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for the design and permitting of a sanitary sewer collection system consisting of 19,253 linear feet - 8" gravity main. The sanitary force main system consisted of 1,215 linear feet - 6" main. The water distribution system additions included 18,281 linear feet - 6" main, and 575 linear feet - 8" main.			
(1) TITLE AND LOCATION (City and State) North County Neighborhood Improvement Project, NE Quadrant Broward County, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2007 - 2011 (Phased)	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for the Infrastructure review and replacement project. Special role included modeling and design of water & sanitary sewer systems. The 720-acre project consisted of roadways, alleys, sidewalks, swales, drainage, sanitary sewer and watermain.			
(1) TITLE AND LOCATION (City and State) Utility Analysis Zone Improvement Program (UAZ) 310 Broward County, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2011 - 2013	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for Project Engineer responsible for the design and permitting of the construction of a water distribution system consisting of 2,120 linear feet - 6" main, 38,502 linear feet - 8" main and 6,895 linear feet - 12" D.I.P. main. The construction also included sixty-three (63) new fire hydrants.			
(1) TITLE AND LOCATION (City and State) North County Neighborhood Improvement Project, NW Quadrant Broward County, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2004 - 2011	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The 650-acre project included a sanitary sewer collection system consisted of 22,047 linear feet - 8" gravity main, and 34 linear feet - 10" gravity main. The sanitary force main system consisted of 295 linear feet - 8" main, 2,235 linear feet - 10" main, 3,790 linear feet - 12" main, 4,300 linear feet - 16" main, and 4,205 linear feet - 20" main. There were ninety-three (93) new sanitary manholes added to the area. The water distribution system additions included 5,760 linear feet - 16" water main, 7,156 linear feet - 12" water main, 1,256 linear feet - 10" water main, 12,779 linear feet - 8" water main and 44,217 linear feet - 6" water main			



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

12. NAME Adolfo A. Gonzalez, PE, LEED AP	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 32	b. WITH CURRENT FIRM 10

15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309
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16. EDUCATION (DEGREE AND SPECIALIZATION) Georgia Institute of Technology Bachelor of Civil Engineering (1985)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida No. 42577 (1990)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) - LEED Accredited Professional (2009) - Florida Engineering Society (FES), V.P., FES Calusa Chapter (2005-2006) - Secretary FES, Calusa Chapter (2005-2006)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Central Broward Water Control District - District Engineer Davie, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010 - Present	CONSTRUCTION (if applicable) 2010 - Present
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE District Engineer. Mr. Gonzalez has served as the District Engineer for the Central Broward Water Control District since 2010. In this capacity, he reviews site plans and civil engineering analyses for all private and public development projects within the District; reviews variance requests; serves on the Development Review Committee; attends Board meetings; and prepares construction plans for capital improvement projects.	<input checked="" type="checkbox"/>	Check if project performed with current firm
(1) TITLE AND LOCATION (City and State) Western C-11 Facilities Report Update and Basin Study - CBWCD Davie, Cooper City, Southwest Ranches, Florida	(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2014-2016	CONSTRUCTION (if applicable) N/A	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil Engineer Project Manager / Engineer of Record. Performed a hydrologic and hydraulic analysis of CBWCD canals within the Western C-11 Basin; developed a model utilizing PCSWMM stormwater modeling software. The modeling is based on a new GIS geodatabase for the District. An updated capital improvement plan is under development for the basin.	<input checked="" type="checkbox"/>	Check if project performed with current firm
(1) TITLE AND LOCATION (City and State) Comprehensive Stormwater Master Plan Aventura, Florida	(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2015 - 2018	CONSTRUCTION (if applicable) N/A	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Creation of an ICPM Software model of the existing stormwater system including the integration of previous models performed for the area. A stormwater capital improvement plan is being created based on the results of the model. Also developing a comprehensive <i>Operations and Maintenance Manual</i> for the City's stormwater system.	<input checked="" type="checkbox"/>	Check if project performed with current firm
(1) TITLE AND LOCATION (City and State) Eastern C-11 Facilities Report Update and Basin Study-CBWCD Davie, Cooper City, Southwest Ranches, Florida	(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2015-Present	CONSTRUCTION (if applicable) N/A	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager/Client Manager. In this role he is managing the East Basin Facilities Plan update for the District. This includes secondary canal and culvert surveys, analyzing existing and future land use changes, developing a new hydrology and hydraulics model, and the development of an updated capital improvement plan for the basin.	<input checked="" type="checkbox"/>	Check if project performed with current firm
(1) TITLE AND LOCATION (City and State) National Pollutant Discharge Elimination System MS4 Permit Aventura, Florida	(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2011 - Present	CONSTRUCTION (if applicable) N/A	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager/Client Manager responsible for collecting, documenting, and preparing annual reports. Also included coordinating and providing advice related to a new inter-local agreement between the City and Miami-Dade County regarding data collection and monitoring tasks.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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

12. NAME Philip Joseph, P.E.	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 24	b. WITH CURRENT FIRM 14

15. FIRM NAME AND LOCATION (City and State)			
Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309			

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
- FAU, Boca Raton - Master - Business Administration (2001) - FAU, Boca Raton, - MS in Mechanical Engineering (1993)	Professional Engineer - Florida No. 50825 (1996)		

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			
Member, American Society of Mechanical Engineers Computer Skills: AutoCAD, MicroStation, SewerCAD, WaterCAD, PCSWMM, ICPR			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Watermain Replacement Program (from Taft Street to Charleston & N. 66 th Avenue to North 72 nd Avenue, Hollywood, Florida)	2014 - 2016	2018	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for this project. The project consisted of approximately 7,080 linear feet of new 4" diameter water main, 34,015 linear feet of new 8" diameter water main, 15,655 linear feet of new 12" diameter water main, 5,200 linear feet of new 16" diameter water main, and the relocation to the front of the lots of services located in the rear yards.	<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Lift Station A-2 Upgrade and Force Main Oakland Park, Florida	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer. Modeled the sanitary system, prepared contract documents and permitted upgrade of an existing sanitary sewer lift station and a new force main to avoid re-pumping.	2011	2012	
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Lift Station E-2 Rehabilitation Project Hollywood, Florida	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The lift station was equipped with three - 22 horsepower pumps, which were upgraded to 46.94 horsepower pumps. The final design upgraded the pumps to three - 45 horsepower pumps to meet the build-out increased sanitary flow and the current DEP standards. All the 8-inch piping and valves in the lift station were upgraded to 12-inch size.	2013 - 2014	2015	
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
North County Neighborhood Improvement Project, Northwest Quadrant, Broward County, Florida	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Joseph completed the design and permitting for the water distribution, sanitary sewer collection systems, storm sewer systems, and roadway improvements for the entire 650 acres. The sanitary sewer collection system consisted of 22,047 linear feet - 8" gravity main, and 34 linear feet - 10" gravity main. The sanitary force main system consisted of 295 linear feet - 8" main, 2,235 linear feet - 10" main, 3,790 linear feet 12" main, 4,300 linear feet - 16" main, and 4,205 linear feet - 20" main. There were ninety-three (93) new sanitary manholes added to the area.	2004-2011	2011 - 2014	
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Utility Analysis Zone Improvement Program (UAZ) 308 Broward County, Florida	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Joseph assisted in the design and permitting of a sanitary sewer collection system consisting of 19,253 linear feet - 8" gravity main. The sanitary force main system consisted of 1,215 linear feet - 6" main. The water distribution system additions included 18,281 linear feet - 6" main, and 575 linear feet - 8" main.	2008	2012	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Joseph assisted in the design and permitting of a sanitary sewer collection system consisting of 19,253 linear feet - 8" gravity main. The sanitary force main system consisted of 1,215 linear feet - 6" main. The water distribution system additions included 18,281 linear feet - 6" main, and 575 linear feet - 8" main.	<input checked="" type="checkbox"/> Check if project performed with current firm		



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

12. NAME Luis Pimentel, E.I.	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 12	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science - Civil Engineering Florida International University 2008	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Engineering Intern, State of Florida No. 1100012922		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) Hallandale Beach BODR (Stormwater MP) Hallandale Beach, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2017
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer - Mr. Pimentel generated a computer model using Streamline Technologies ICPR software to analyze the entire 2,800 acres of the City of Hallandale. Included in the model were headwater and tailwater assumptions, stormwater pump stations and wells. The drainage basin was divided into sixty (60) sub-basins for analysis. Recommended improvements were generated based on the results of the post improvement model.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) Basin 5 Phase II Drainage Improvements Dania Beach, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2009 CONSTRUCTION (If applicable) 2010	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer - Assisted with the plan preparation and permitting of a stormwater retention and conveyance system within the city of Dania Beach Florida. The project consisted of approximately 22,000 linear feet of stormwater pipes and structures. Assisted in storm structure sizing, pump selection, and prepared an engineer's estimate of probable cost. Prepared and submitted permit packages to South Florida Water Management District and Broward County Environmental Protection and Growth Management Department.	<input type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) Surfside Drainage Improvements Town of Surfside, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2007 CONSTRUCTION (If applicable) 2011	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer - Assisted with the plan preparation and permitting of a stormwater retention and conveyance system within the Town of Surfside, Florida. The project consisted of approximately 4,000 linear feet of stormwater pipes and structures. Assisted in storm structure sizing and prepared an engineer's estimate of cost. Analyzed and prepared grading plans to correct the roadway slope issues present throughout the Town. Prepared and submitted a permit package to The Department of Environmental Resources Management.	<input type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Hallandale NE Quad Drainage Improvements Hallandale Beach, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2010 CONSTRUCTION (If applicable) 2103	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer - Assisted with the plan preparation and permitting of a stormwater collection and conveyance system within the city of Hallandale Beach Florida. The project consisted of 22,000 of collection system piping, 1,000 sewer force main upgrades, and the implementation of a pumped drainage well system. Performed design tasks such as conflict resolution and structure sizing. Generated a computer model to analyze the proposed drainage well system. The model was also used to confirm the proposed pump sizes and to verify that the pressures at the drainage wells did not surpass the requirements set forth by the Florida Department of Environmental Protection. Also, reviewed shop drawings and assisted in addressing RFIs during construction.	<input type="checkbox"/> Check if project performed with current firm	



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

12. NAME Donald A. Shaver	13. ROLE IN THIS CONTRACT Construction Manager	14. YEARS EXPERIENCE	
		a. TOTAL 37	b. WITH CURRENT FIRM 18
15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science - Construction Science Kansas State University, Manhattan, Kansas (1981) Associate in Technical Education, Building Science, Hutchinson Community College, Hutchinson, KS (1978)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) State of Florida General Contractor (Inactive)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Eastside Infrastructure Improvements, Phases 2 & 3 Davie, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2017 CONSTRUCTION (If applicable) 2018	
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction Manager. The project included 14,800 linear feet of 6" diameter main, 5,075 linear feet of 8" diameter main, and 5,140 linear feet of 12" diameter main. The sanitary improvements included 11,455 linear feet of 8" diameter pipe, 40 sanitary manholes and 2,945 linear feet of 16" diameter forcemain. The project also included 18,940 linear feet of storm sewer and the reconstruction of 5.2 miles of roadway.		
		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Miami Gardens Livable Neighborhood Improvements Project Miami Gardens, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2007 - Present CONSTRUCTION (If applicable) Present (Phased)	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Responsible for Construction Management - The Project includes approximately 222 total acres of land subdivided among four separate sites; namely Garden Circle, Kings Garden I & II, Kings Garden III and Vista Verde. The various project sites are all located within the confines of NW 183 rd Street (Miami Gardens Drive), NW 215 th Street (County Line Road), NW 47 th Avenue, and NW 37 th Avenue in the City of Miami Gardens, Florida.		
		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) NW 14 th Avenue Streetscape Hallandale Beach, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2017 CONSTRUCTION (If applicable) 2018	
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Responsible for Construction Management for a project corridor of approximately 3,400 linear feet. The project includes: Mill and overlay entire roadway (including pavement markings); on east side of NE 14 th Avenue, mill and overlay off-street parking (including pavement markings) and provide new Type 'D' curbed landscape bulb-outs to delineate parallel parking and include canopy trees, shrubs, groundcover and spray and drip irrigation; bike lanes on both sides of roadway; and curbing.		
		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Floranada Road Traffic Calming Project Oakland Park, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2011 - 2012 CONSTRUCTION (If applicable) 2013	
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction Manager. The City of Oakland Park was seeking to implement traffic calming measures to enhance the safety of pedestrians and automobiles on Floranada Road, between Dixie Highway and Federal Highway. Improvements surveyed, designed and permitted by CTA included traffic roundabouts at the roadways intersections with NE 13 th Avenue and NE 16 th Avenue. Two traffic chokers were installed at NE 15 th Avenue and at NE 15 th Terrace.		
		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) South County Neighborhood Improvement Project Broward County, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2000 (Overall 1993) CONSTRUCTION (If applicable) 2006	
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction Manager. The project included the design, permitting, bidding and CEI for a project consisting of 53 miles of roadway, 181,000 linear feet of storm sewer (including exfiltration trench), 140,618 linear feet of water main, 236,226 linear feet of gravity sanitary sewer, and 80 miles of sidewalk. This project also included abandoning in-place and grouting over 50,000 linear feet of existing water main.		
		<input checked="" type="checkbox"/> Check if project performed with current firm	



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

12. NAME James A. Shedd	13. ROLE IN THIS CONTRACT Construction Inspector	14. YEARS EXPERIENCE a. TOTAL 45	b. WITH CURRENT FIRM 13
15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309			
16. EDUCATION (DEGREE AND SPECIALIZATION) Broward Community College University of Florida	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Original Section Drainage – Phase I Construction Greenacres, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014 - 2015 CONSTRUCTION (If applicable) 2016	
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction Inspector - The Phase 1 project required installation of 500 linear feet of 36" RCP storm pipe, 1,010 linear feet of 24" RCP Storm Pipe, 156 linear feet of 18" RCP Storm Pipe, 156 linear feet of 12"x18" RCP storm Pipe, significant ditch reshaping, sidewalk replacement, and replacement of outfall to LWDD canal.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Northeast 5 th Avenue Streetscape & Roadway Reconstruction Oakland Park, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2010 CONSTRUCTION (If applicable) 2011	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Responsible for Inspection services for roadway, drainage, landscape and streetscape improvements to the NE 5 th Avenue Corridor from Oakland Park Boulevard to NE 38 th Street; approximately 0.60 miles. The civil engineering services included: full roadway reconstruction design, storm water management ADICPR modeling and design, utility coordination and relocation, and all associated jurisdictional permitting.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Eastside Infrastructure Improvements, Phases 2 & 3 Davie, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2017 CONSTRUCTION (If applicable) 2018	
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction Inspector for 14,800 linear feet of 6" diameter main, 5,075 linear feet of 8" diameter main, and 5,140 linear feet of 12" diameter main. The sanitary improvements included 11,455 linear feet of 8" diameter pipe, 40 sanitary manholes and 2,945 linear feet of 16" diameter forcemain. The project also included 18,940 linear feet of storm sewer and the reconstruction of 5.2 miles of roadway.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Miami Livable Gardens Neighborhood Improvement Project Vista Verde, Miami Gardens, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2007 - Present CONSTRUCTION (If applicable) Present (Phased)	
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction inspections services for roadway rehabilitation, streetscape, new storm sewer system and storm water quality treatment, street lighting and landscaping improvements to select roadway corridors along with comprehensive storm water management systems for each neighborhood.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Swale, Sidewalk, Drainage and Roadway Improvements, Hallandale Beach, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable) 2016	
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Shedd was the construction inspector for ADA connections, details and cross-sections for the Project. The sidewalk was installed to complete the existing neighborhood sidewalk network. Swales were constructed adjacent to the new sidewalks and exfiltration trench was installed to eliminate nuisance flooding.	<input checked="" type="checkbox"/> Check if project performed with current firm	



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

12. NAME Richard D. Pryce, P.S.M.	13. ROLE IN THIS CONTRACT Land Surveying Project Manager	14. YEARS EXPERIENCE		
		a. TOTAL 46	b. WITH CURRENT FIRM 12	
15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309				
16. EDUCATION (DEGREE AND SPECIALIZATION) Associates of Science in Criminal Justice, BCC (1978) Certificate in advanced GIS & Remote Sensing, BCC (2002)			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor and Mapper Florida No. 4038 (1983)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

- Current Director, Broward County Chapter of Florida Surveying Mapping Society, Chairman FSMS GIS Committee
- Geographic Land Information Society, Chairman FSMS Anti-theft Committee, American Congress, Surveying Mapping

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Miramar Historical Area Complete Streets Project Miramar, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Craven Thompson & Associates, Inc. was selected to provide survey, design, permit, and provide construction services for Phase II of their Historical Area Complete Streets Project. This includes surveying, landscape and engineering design, permitting and construction services for complete streets bounded by Pembroke Road to the north, County Line Road to the south, SW 62 nd Avenue to the west, and State Road 7 to the east. The project includes six (6) streets.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Hallandale Beach City-Wide Survey Hallandale Beach, Florida	(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2014 - 2015	CONSTRUCTION (If applicable) N/A	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Survey Manager. The survey included a GPS control network within the City Limits. This included setting 188 aerial targets to control an area of about 26,000 acres from Pembroke Road, south to the Broward / Miami-Dade County line and from the Atlantic Ocean west to Interstate 95. Our survey crews then ran level loops and cross-sections over 862 ground truth checks on hard surfaces at 80 street intersections across the City.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) E-2 Lift Station Survey Hollywood, Florida	(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) N/A	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Surveyor - The surveying of the existing above and below ground elements of the station was performed using a Leica C-10 3D Laser Scanner. A 3D model of the station was created for use as a base map for the engineering rehabilitation of the station.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Hydrographic and Stormwater Infrastructure Survey, Greenacres, Florida	(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2014 - 2015	CONSTRUCTION (If applicable) N/A	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Pryce created a survey from high resolution, low level LiDAR and ground surveying. The survey included roadways and canal cross-sections for proposed Drainage Improvements. Also included Right-of-way surveys, storm drains, canals and ditches along 1 st Street in the Original Section area of the City of Green Acres and a portion of Lake Worth Canal E-3 (cross sectioned).	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) North Miami Beach Water and Sewer GIS Project North Miami Beach, Florida	(2) YEAR COMPLETED	
PROFESSIONAL SERVICES 2015 - 2016	CONSTRUCTION (If applicable) N/A	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The purpose of the 25,600-Acre Service Area Project was to provide the City with the complete GIS product of their water and sanitary system. This involved the conversion of the City's existing water and sanitary sewer infrastructure, from an AutoCAD drawing file format to the industry standard, Environmental Systems Research Institute (ESRI) Geographic Information System (GIS) format. The Project included the entire North Miami Beach Utility service area.	<input checked="" type="checkbox"/> Check if project performed with current firm	



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

12. NAME Nicholas Messina, Jr., P.S.M.	13. ROLE IN THIS CONTRACT Land Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 19

15. FIRM NAME AND LOCATION (City and State)

Craven Thompson & Associates, Inc., 3563 NW 53rd Street, Fort Lauderdale, Florida 33309

16. EDUCATION (DEGREE AND SPECIALIZATION)

Associates of Science - Surveying and Mapping
University of Alaska, Anchorage Alaska

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Professional Surveyor and Mapper
Florida No. 5799 (1998)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Florida Society of Professional Surveyors and Mappers

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Watermain Replacement Program Hollywood, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014 - 2015	CONSTRUCTION (If applicable) N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The project consisted of mobile LiDAR surveying, design, permitting, bidding and limited construction observation to replace approximately 91,950 linear feet of existing water main distribution and services located in the rear yards and within the road Rights of Way. A survey control baseline was established throughout the Project Limits containing survey control points with both horizontal and vertical coordinate information in the form of x-y-z values,	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) NE 14 th Avenue Streetscape Survey Hallandale Beach, Florida	(2) YEAR COMPLETED	PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable) N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Surveyor – Provided surveying for the project area along NE 14 th Avenue, between Hallandale Beach Boulevard and Atlantic Shores Boulevard. The project corridor is approximately 3,400 linear feet. This included the entire right-of-way and 10 feet beyond, for use as an engineering base sheet.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Hallandale Beach City-Wide Survey Hallandale Beach, Florida	(2) YEAR COMPLETED	PROFESSIONAL SERVICES 2014 - 2015 CONSTRUCTION (If applicable) N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Surveyor - The survey included a GPS control network to meet horizontal and vertical accuracies to 0.10 feet on all hard surfaces within the City Limits. This included setting 188 aerial targets to control an area of about 26,000 acres from Pembroke Road, south to the County line and from the Atlantic Ocean west to Interstate 95.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) LW 2020 Master Plan – Year 1 Survey Lake Worth, Florida	(2) YEAR COMPLETED	PROFESSIONAL SERVICES 2014 - 2015 CONSTRUCTION (If applicable) N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Surveyor - to survey , design, permitting and provide construction services for Projects 1, 3, 5, 6 & 8 of Year 1 of the Lake Worth 2020 Master Plan. The survey includes the recovery of sufficient existing boundary and/or right-of-way monumentation to determine the right-of-way lines needed to tie in all visible improvements. Locations of all <u>aboveground and visible improvements</u> , included all pavement, slabs, fences, signs, overhead wires, trees, and utility features, within the limits of the existing platted rights-of-way. Elevations were taken on an approximate at fifty (50) foot cross sections, along all roadways and extend approximately 20-25 feet outside the right-of-way.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Fort Lauderdale Stormwater GIS and Survey, Fort Lauderdale, Florida	(2) YEAR COMPLETED	PROFESSIONAL SERVICES 2016 – 2017 CONSTRUCTION (If applicable) N/A
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Surveyor – CTA created a 2-foot grid Digital Elevation Model of the ground for modeling drainage flow. This required a GPS Control Network, and 309 ground control for the flight, performed over 5,000 verification shots on hard surfaces at major roadways across the city. The second part of this survey was to collect and evaluate 5,400 storm structures with Rims, Inverts, Pipe Size, material, and research As-built records of the Stormwater system and provide the data to the City in ArcGIS Geodatabase conforming to their GIS Model Schema.	<input checked="" type="checkbox"/> Check if project performed with current firm	



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

12. NAME Douglas M. Davie, P.S.M.	13. ROLE IN THIS CONTRACT Land Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL 44	b. WITH CURRENT FIRM 25
15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309			
16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor and Mapper Florida No. 4343 (1987)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Society of Professional Surveyors and Mappers			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Plat Review Services North Miami, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 2002 - Present N/A	
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Davie reviews plats for conformance with the City of North Miami's Subdivision Requirements, Miami-Dade County Subdivision Requirements, and Chapter 177 Florida Statutes. We then prepare a checklist with comments and redline prints with deficiencies. Comments are transmitted to the City for presentation to the applicant.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) Original Section Drainage Improvements Survey Greenacres, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 2014 N/A	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Davie prepared a Topographic Survey for the Original Section area of Greenacres. This survey included establishing elevations, the rights-of-way, location of all visible fixed improvements, as-builts of utilities and preparation of survey base map for civil engineering design.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) Hydrographic and Storm Water Infrastructure Survey Greenacres, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 2014 N/A	
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Mr. Davie created a survey from high resolution, low level LiDAR and ground surveying. The survey included roadways and canal cross-sections for proposed Drainage Improvements. Also included right-of-way surveys, storm drains, canals and ditches along 1 st Street in the Original Section area of the City of Greenacres and a portion of Lake Worth Canal E-3 (cross sectioned).	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Cypress Preserve Park (formerly known as Oakland Park Passive Park), Sunrise, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 2011 N/A	
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The City of Sunrise Cypress Preserve Park (f.k.a. Oakland Park Passive Park (GS-370)) was a 7.93-acre vacant site located on the east side of NW 90th Terrace between Oakland Park Boulevard and NW 38th Street. Mr. Davie prepared a boundary and topographic survey for the site. The survey was used as a base map for engineering and landscape architecture.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) Oak Hammock Park, Sunrise, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 2010 N/A	
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Davie Survey Project Manager. Topographic survey of site for design of park for recreation and natural preserves. Project size is 13.31+/- acres.	<input checked="" type="checkbox"/> Check if project performed with current firm	



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

12. NAME Thomas C. Shahan, P.S.M.	13. ROLE IN THIS CONTRACT Land Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL 45	b. WITH CURRENT FIRM 35
15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309			
16. EDUCATION (DEGREE AND SPECIALIZATION) Two -year Vocational Drafting Degree ICS Mail Correspondence Course for Surveying and Drafting		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor and Mapper Florida No. 4387 (1987)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Society of Professional Surveyors and Mappers			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Eastside Infrastructure Improvements Survey Davie, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Shahan performed horizontal & vertical control verification for a Topographic Design Survey for the infrastructure improvement project including as-built location of existing utilities and roadways.		<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) NE 34 th Court Complete Streets Project Oakland Park, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Shahan was the Project Surveyor for the topographic design survey for improvements including full roadway reconstruction, utility relocation, drainage, landscape and streetscape enhancement, this involved the full survey of the right-of-way and ten (10) feet beyond the right-of-way lines.		<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) Hollywood Waterline Replacement Program - Survey Hollywood, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Shahan prepared a topographic survey for engineering design purposes for thousands of feet of service and distribution water main replacement. The Survey consisted of locations and cross-section elevations in the full Rights-of-Way of the streets within the Project Limits.		<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) North Riverside Drive Survey Pompano Beach, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Shahan as project manager developed a boundary and topographic survey for design purposes of full the right-of-way of North Riverside Drive, between East Atlantic Boulevard and Northeast 14 th Street, approximately 1.3 miles within the City of Pompano Beach.		<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) City of Hollywood Alley Reconstruction Survey (FY2014/2015) Hollywood, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Shahan prepared topographic surveys for engineering design purposes for nineteen (19) individual sites, encompassing a total of 9,650 linear feet for alley reconstruction. The surveys consisted of cross-sections at fifty (50) foot intervals along the route with elevations within the rights-of-way of the alleys at each edge of pavement, and center of alley including five (5) feet outside of the rights-of-way.		<input checked="" type="checkbox"/> Check if project performed with current firm	



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

12. NAME Joseph D. Handley, R.L.A.	13. ROLE IN THIS CONTRACT Project Manager Landscape Architecture	14. YEARS EXPERIENCE	
		a. TOTAL 35	b. WITH CURRENT FIRM 30

15. FIRM NAME AND LOCATION (City and State)

Craven Thompson & Associates, Inc., 3563 NW 53rd Street, Fort Lauderdale, Florida 33309

16. EDUCATION (DEGREE AND SPECIALIZATION)

Clemson University, B.S. in Ornamental Horticulture (1980);
University of Georgia & Louisiana St. University, Master in
Landscape Architecture Studies (1984)

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Professional Registered Landscape Architect
Florida Registration No. 1368 (1990)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

- American Society of Landscape Architects - CPTED Certification (August 1999)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Bicycle/Pedestrian Greenway & Trails Master Plan Sunrise, Florida		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) Continuing Implementation

a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

 Check if project performed with current firm

Mr. Handley was the CTA Principal-in-Charge for the preparation of the Bicycle / Pedestrian Greenways & Trails Master Plan. The Plan defines a system of sidewalks, bike lanes, paths, greenways and trails within the City of Sunrise that provides integrated and continuous corridors for non-motorized transportation and recreation throughout the City in a manner that is sensitive to the needs of various user groups, the natural and built environment, the management and maintenance, and potential funding capabilities of local government.

(1) TITLE AND LOCATION (City and State) North County Neighborhood Improvement Project, NW Quadrant Broward County, Florida		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2014

b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

 Check if project performed with current firm

Principal Landscape Architect. Services included engineering studies and design, surveying, planning and landscape architecture, and CEI Services for approximately 650 acres of land between Dixie Highway and I-95, North of Sample Road, in the City of Deerfield Beach. This area is primarily residential, built in the 1950's and early 1960's.

(1) TITLE AND LOCATION (City and State) Oak Hammock Park & Cypress Preserve Park Sunrise, Florida		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) 2015

c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

 Check if project performed with current firm

Principal Landscape Architect for two passive parks in the City of Sunrise. Each park has their own specific amenity that makes it unique. The hardscape components such as paving, lighting, benches, walking surfaces, fences and restroom facilities have the same character which relates the two parks together. Oak Hammock Park has a splash pad water feature for kids while the Cypress Preserve Park has a disc golf course.

(1) TITLE AND LOCATION (City and State) Miramar Parkway & Miramar Blvd. Median Enhancements Miramar, Florida		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017-2018	CONSTRUCTION (If applicable) 2018

d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

 Check if project performed with current firm

The project is along Miramar Parkway from the Florida Turnpike to Palm Avenue and along Miramar Boulevard from University Drive to Palm Avenue. The project includes landscaping and hardscape for two main thoroughfares through the City of Miramar. The medians lack aesthetic appeal and require various beautification enhancements. This is Phase I of a multi-phased project.

(1) TITLE AND LOCATION (City and State) NE 34 th Court Complete Streets Project Oakland Park, Florida		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) 2015

e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

 Check if project performed with current firm

Principal Landscape Architect for landscape, hardscape, streetscape and irrigation design for the roadway reconstruction design of approximately 0.60 miles.



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

12. NAME Douglas J. Schultz, R.L.A., LEED AP	13. ROLE IN THIS CONTRACT Landscape Architect	14. YEARS EXPERIENCE a. TOTAL 16	b. WITH CURRENT FIRM 7
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15. FIRM NAME AND LOCATION (City and State)

Craven Thompson & Associates, Inc., 3563 NW 53rd Street, Fort Lauderdale, Florida 33309

16. EDUCATION (DEGREE AND SPECIALIZATION)

University of Kentucky, Kentucky, USA
Bachelor in Landscape Architecture (2002)

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Professional Registered Landscape Architect
Florida Registration No. LA6666937

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

- LEED Accredited Professional, United States Greenbuild Council (2009)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Urban Art Park and Northeast 34 th Court Complete Streets Improvements Project - Oakland Park, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012 - 2013	CONSTRUCTION (If applicable) 2013 - 2014
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a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Mr. Schultz was the lead landscape architect for the Urban Art Park located at NE 34th Court and integrated into the streetscape improvements project. The project consists of a park that utilizes retrofitted cargo shipping containers as pavilions, a graffiti wall and podiums/seat blocks that serve art displays during art installations and exhibits. On-street parking, widened pedestrian walkways, enhanced crosswalks and streetscape planting upgrades were included in the scope of the park.

(1) TITLE AND LOCATION (City and State) Miramar Parkway & Miramar Boulevard Median Enhancements Miramar, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Estimated 2018
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b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
The project is along Miramar Parkway from the Florida Turnpike to Palm Avenue and along Miramar Boulevard from University Drive to Palm Avenue. The project includes landscaping and hardscape for two main thoroughfares through the City of Miramar. The medians lack aesthetic appeal and requires various beautification enhancements. This is Phase I of a multi-phased project. The project requires permitting through the City and Broward County Construction and Highway Engineering Department. CTA is also provided surveying services.

(1) TITLE AND LOCATION (City and State) Pine Island Road and NW 50 th Street Athletic Complex Sunrise Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2017	CONSTRUCTION (If applicable) 2018
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c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Landscape Architect - In general, the project includes: Four (4) Baseball / Softball Fields, Two (2) Soccer fields or One (1) Full Size Multi-Use Soccer / Football Field, Hard covered dugouts, Bleachers with cantilevered shade canopies, Centralized two-story concession, restroom, meeting space and scorer's building, One (1) restroom / maintenance building for the Soccer Fields, Two (2) playgrounds with shade structures, Sports lighting for all fields, Batting cages, Two (2) parking lots with entry signage, Southbound Right turn lane on Pine Island Road, Pedestrian connections to West Pine Middle School for shared use facilities agreement.

(1) TITLE AND LOCATION (City and State) Bicycle/Pedestrian, Greenways & Trails Master Plan Sunrise, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) Continuing Implementation
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d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Project Manager and Landscape Architect for the preparation of this important master plan for the City of Sunrise. Together with Alta Planning and Design, the Plan will define a system of sidewalks, bike lanes, paths, greenways and trails within the City to provide integrated and continuous corridors for non-motorized transportation and recreation throughout the city in a manner that is sensitive to the needs of various user groups, the natural and built environment, the management and maintenance, and potential funding capabilities of local government.

(1) TITLE AND LOCATION (City and State) NE 38 th Street Complete Streets Project Oakland Park, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2015
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e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Mr. Schultz was the Landscape Architect for this project Landscape, complete streets, streetscape and irrigation design for the roadway reconstruction design of approximately 0.90 miles of roadway improvements including neighborhood traffic calming.



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

12. NAME Scott W. Peavler, R.L.A.	13. ROLE IN THIS CONTRACT Landscape Architect	14. YEARS EXPERIENCE	
		a. TOTAL 13	b. WITH CURRENT FIRM 9
15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309			
16. EDUCATION (DEGREE AND SPECIALIZATION) Kansas State University Bachelor in Landscape Architecture (2005)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Registered Landscape Architect Florida Registration No. LA6666976 (2008)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Member of American Society of Landscape Architects			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) NE 34 th Court Complete Streets Project Oakland Park, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2010 CONSTRUCTION (If applicable) 2015	
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A continuation of the street improvements on NE 5th Avenue that intersect 34th Court. Provided landscape designs for streets improvements along NE 34th Court between NE 2nd Avenue and Dixie Highway. The project consisted of improving the streetscape by implementing additional street trees, shrub beds along new sidewalks, and parallel parking. Landscape Architect.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Miramar Historic Area Complete Streets Project - Phase II Miramar, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (If applicable) 2018	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The project includes six (6) streets in the Historical Area. The improvements include: sidewalks, ADA ramps, crosswalks, pedestrian level lighting, landscaping and hardscape. The City received a grant through the Broward Redevelopment Program for the improvements.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Oak Hammock Park & Cypress Preserve Park Sunrise, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2010 CONSTRUCTION (If applicable) 2015	
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Architect for two passive parks in the City of Sunrise. Each park has its own specific amenity that makes it unique. The hardscape components such as paving, lighting, benches, walking surfaces, fences and restroom facilities have the same character which relates the two parks together. Oak Hammock Park has a splash pad water feature for kids while the Cypress Preserve Park has a disc golf course.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) 69 th Street Greenway Coconut Creek, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014 CONSTRUCTION (If applicable) To Be Determined	
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Peavler worked with the City to develop and prepare an illustrative Design Guidelines package complete with conceptual plans and typical sections to give future developers an understanding of the design intent for the 69 th Street Greenway. The Design Guidelines package included landscape guidelines, plans, typical sections, plant palettes, typical lighting elements, and site amenities per the City of Coconut Creek standards.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Coconut Creek Landscape Plan Reviews Coconut Creek, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012 - Present CONSTRUCTION (If applicable) N/A	
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provides landscape consulting services in regards to Landscape plan reviews. The services provided include full DRC reviews, Administrative Approval reviews, Tree Removal/ Relocation reviews, and other additional landscape matters as they pertain to City landscape codes.	<input checked="" type="checkbox"/> Check if project performed with current firm	



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

12. NAME Caleb Rothenberger, R.L.A., LEED AP	13. ROLE IN THIS CONTRACT Landscape Architect	14. YEARS EXPERIENCE	
		a. TOTAL 10	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION (City and State) Craven Thompson & Associates, Inc., 3563 NW 53 rd Street, Fort Lauderdale, Florida 33309			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Landscape Architecture, Ball State University, College of Architecture and Planning, Muncie, Indiana 2007 Minor in Digital Publishing and Graphic Design		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Registered Landscape Architect Florida Registration No. 6667250 (2015)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
LEED Accredited Professional, United States Green Building Council, 2009

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Bicycle/Pedestrian Greenway & Trails Master Plan Sunrise, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014	
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Rothenberger assisted with the planning and exhibit creation for the preparation of the Bicycle / Pedestrian Greenways & Trails Master Plan. The Plan defines a system of sidewalks, bike lanes, paths, greenways and trails within the City of Sunrise that provides integrated and continuous corridors for non-motorized transportation and recreation throughout the city in a manner that is sensitive to the needs of various user groups.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) NE 14 th Avenue Streetscape Improvements Hallandale Beach, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2017	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Rothenberger is the Project Landscape architect for the NE 14 th Avenue Streetscape Improvements. The project corridor is approximately 3,400 linear feet. The project includes: Mill and overlay entire roadway (including pavement markings); on east side of NE 14 th Avenue, mill and overlay off-street parking (including pavement markings) and provide new Type 'D' curbed landscape bulb-outs to delineate parallel parking and include canopy trees, shrubs, groundcover and spray and drip irrigation; bike lanes on both sides of roadway; curbing or other treatments at existing driveway entrances; canopy trees with ground cover intermingled and drip irrigation on the west side of NE 14 th Avenue; landscape screening adjacent to two (2) stormwater pump stations.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Miramar Historical Area Complete Streets Project – Phase II Miramar, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017	
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Craven Thompson & Associates, Inc. was selected by the City of Miramar to survey, design, permit, and provide construction services for Phase II of their Historical Area Complete Streets Project. The project includes surveying, landscape and engineering design, permitting and construction services for complete streets bounded by Pembroke Road to the north, County Line Road to the south, SW 62 nd Avenue to the west, and State Road 7 to the east. The project includes six (6) streets in the Historical Area. The improvements include: sidewalks, ADA ramps, crosswalks, pedestrian level lighting, landscaping and hardscape.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Oakland Park Median Beautification Oakland Park, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2016	
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for the enhancement to the aesthetic appeal of Oakland Park Boulevard (State Road 816) from NW 31 st Avenue to I-95 (within the City limits) through landscaping improvements in the median of the multi-lane state highway. These improvements require review and approval from both the City and the Florida Department of Transportation (FDOT).	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Powerline Road Median Enhancements Oakland Park, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2016	
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for the beautification of Powerline Road (State Road 845) from Prospect Road to Commercial Boulevard (within the City limits) through landscaping improvements in the median. These improvements were part of the Florida HBC Grant that CTA assisting in acquiring for the City.	<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**
1
21. TITLE AND LOCATION (CITY AND STATE)

Miramar Historic Area Complete Streets Phase II
Miramar, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2017

CONSTRUCTION (If applicable)
2018

23. PROJECT OWNER'S INFORMATION
a. PROJECT OWNER

City of Miramar

b. POINT OF CONTACT NAME

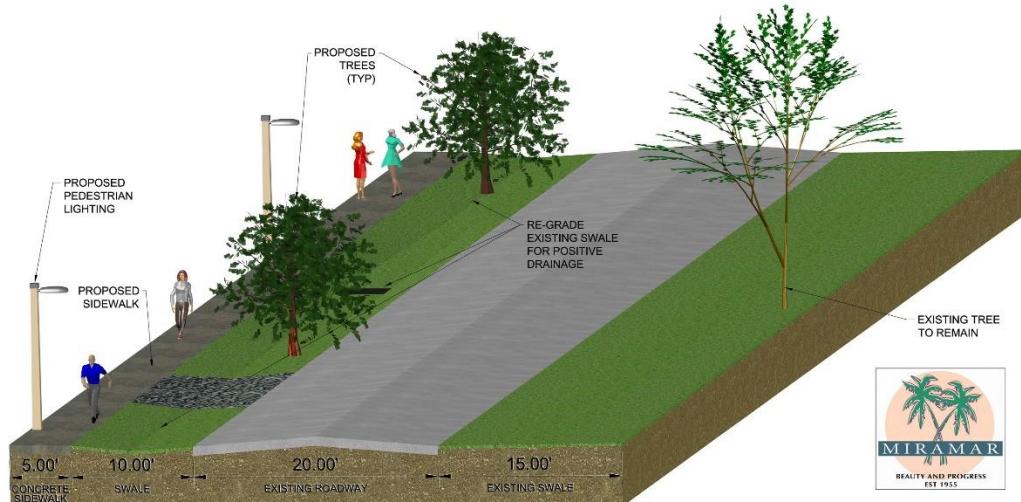
Mr. Salvador Zuniga, P.E.
Assistant City Engineer

c. POINT OF CONTACT TELEPHONE NUMBER

Phone: (954) 602-3323
Email: sezuniga@miramarfl.gov

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

Craven Thompson & Associates, Inc. was selected by the City of Miramar to survey, design, permit, and provide construction services for Phase II of their Historical Area Complete Streets Project. The project includes surveying, landscape and engineering design, permitting and construction services for complete streets bounded by Pembroke Road to the north, County Line Road to the south, SW 62nd Avenue to the west, and State Road 7 to the east. The project includes six (6) streets in the Historical Area. The improvements include: sidewalks, ADA ramps, crosswalks, pedestrian level lighting, landscaping and hardscape. The City received a grant through the Broward Redevelopment Program for the improvements.

HISTORIC MIRAMAR COMPLETE STREETS: PHASE II

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Surveying, Landscape Architecture / Complete Streets, Streetscape, Roadway Design, ADA
b.	(1) FIRM NAME Electrical Design Associates	(2) FIRM LOCATION (City and State) 8401 Lake Worth Road, Suite 221 Lake Worth, Florida 33467	(3) Role Subconsultant – Electrical Engineering
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) Role
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) Role


STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 2
21. TITLE AND LOCATION (CITY AND STATE) Stormwater Improvements to the River Oaks & Durrs Neighborhoods, Fort Lauderdale, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2016 - 2018 CONSTRUCTION (If applicable) Estimated 2020
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Fort Lauderdale	b. POINT OF CONTACT NAME Mr. Rares Patricia, MBA, P.E. Senior Project Manager	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 828-6720 Email: RPetrica@fortlauderdale.gov

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

Durrs Neighborhood

The neighborhood is comprised of approximately 237-acres. The elevations in the neighborhood range from approximately 1.0 feet NAVD 88 to approximately 12.54 feet NAVD 88; low areas are dispersed throughout the neighborhood. The majority of the storm systems within the City of Fort Lauderdale's right-of-way and the majority of the storm drainage pipes within Durrs are less than eighteen inches in diameter. We are developing construction documents (design, permitting, & CEI services) for the neighborhood. We will add new piping & structures (conveyance system), exfiltration trench, sea level rise – backflow prevention and seawall height. In addition, we are designing Nutrient separating baffle boxes (NSBB), STORMCEPTOR water quality structures

River Oaks Neighborhood

The neighborhood occupies a total area of approximately 518-acres. The elevations in the neighborhood range from approximately 1.5 feet NAVD 88 to approximately 13 feet NAVD 88. There are several independent systems located in the southwestern portion of the neighborhood that consist of exfiltration trenches and swales to disperse the collected runoff. The southwestern section was designed primarily for swale drainage and surface flow towards the Preserve Park. This does not function adequately in many areas, particularly those areas where the swale capacity is exceeded. Tertiary storm sewers will collect and direct flow toward major lines. Swales, Nutrient separating baffle boxes (NSBB), STORMCEPTORs, bioswales, new piping & structures, and permeable pavement will be utilized where possible to increase storage, promote infiltration and reduce nuisance flooding. Infrastructure and surface improvements in the section south of the finger canals within River Oaks will help to direct flow through a stormwater pumping station towards the proposed Preserve Park/Retention area



River Oaks Bio-Swales

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Stormwater management, storm system design, permitting, survey, GIS, and stormwater modeling
b.	(1) FIRM NAME The Chappell Group	(2) FIRM LOCATION (City and State) 714 East McNab Road Pompano Beach, Florida 33060	(3) Role Subconsultant - Environmental Services



STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 3	
21. TITLE AND LOCATION (CITY AND STATE) North County Neighborhood Improvements, NW Quadrant Broward County, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2004 - 2011	CONSTRUCTION (If applicable) 2010 - 2014

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Broward County Water & Wastewater Services	b. POINT OF CONTACT NAME Mr. Patrick MacGregor, Expansion Project Administrator	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 831-0904 Email: pamacgregor@broward.org
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)



The area was developed with limited sanitary sewer system, no drainage and an inadequate water distribution system. As a result of aging and inadequate infrastructure, Broward County selected Craven Thompson & Associates, Inc. to design infrastructure improvements needed in the area. Construction cost for these improvements was over 40 million dollars. Craven Thompson designed and permitted storm water treatment facilities, water distribution, sanitary sewer collection systems storm sewer systems, and roadway improvements for the entire 650 acres. The sanitary sewer collection system consisted of 22,047 linear feet - 8" gravity main, and 34 linear feet - 10" gravity main. The sanitary force main system consisted of 295 linear feet - 8" main, 2,235 linear feet - 10" main, 3,790 linear feet 12" main, 4,300 linear feet - 16" main, and 4,205 linear feet - 20" main. There were ninety-three (93) new sanitary manholes added to the area. The water distribution system additions included 17,900 linear feet - 6" D.I.P. main, 5,100 linear feet - 8" D.I.P. main and 1,850 linear feet - 12" D.I.P. main. All construction on the project is complete. This project required coordination with several different municipalities and agencies. An Inter-Local Agreement was entered into with the City of Deerfield Beach. Right-of-ways and easements were established throughout the neighborhood. The entry road to Deerfield Beach High School was improved at the request of the City of Deerfield Beach.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Surveying, Water and Wastewater Modeling & Engineering, Water Resources, Stormwater modeling, Wastewater Engineering, Planning, Landscape Architecture, and Construction Management
b.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, #201 West Palm Beach, Florida 33409	(3) Role Subconsultant – Sub-Surface Utility Locates
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) Role
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) Role


STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 4			
21. TITLE AND LOCATION (CITY AND STATE) Hallandale Beach Basis of Design Review (BODR) Hallandale Beach, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2016			
23. PROJECT OWNER'S INFORMATION <table border="1"> <tr> <td>a. PROJECT OWNER City of Hallandale Beach</td> <td>b. POINT OF CONTACT NAME Mr. Manga Ebbe Project Manager</td> <td>c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 457-3043 Email: mebbe@cohb.org</td> </tr> </table>			a. PROJECT OWNER City of Hallandale Beach	b. POINT OF CONTACT NAME Mr. Manga Ebbe Project Manager	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 457-3043 Email: mebbe@cohb.org
a. PROJECT OWNER City of Hallandale Beach	b. POINT OF CONTACT NAME Mr. Manga Ebbe Project Manager	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 457-3043 Email: mebbe@cohb.org			

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

Basis of Design Report (BODR) that functions as a comprehensive document that assesses various infrastructure improvements, both underground and surface, and utilizes the outcome as a basis for preparing construction documents. This includes City-Wide Master Planning for the 2,800 acres including, a Stormwater Master Plan, water, wastewater, drainage, complete streets, local roads, sidewalk, landscaping and lighting. CTA developed a Capital Improvement Plan and schedule.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Streetscape, Landscape Architecture, Stormwater Master Plan, and other Infrastructure
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. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 5
21. TITLE AND LOCATION (CITY AND STATE) Eastside Infrastructure Improvements Davie, Florida	22. YEAR COMPLETED PROFESSIONAL SERVICES 2015-2017	CONSTRUCTION (If applicable) 2018
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Town of Davie	b. POINT OF CONTACT NAME Mr. Phillip Holste, Assistant Town Administrator & Interim CRA Director	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 797-1041 Email: pholste@davie-fl.gov

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

The basic infrastructure work consists of replacement of the existing water distribution system and new installation of sanitary sewer system and storm drainage system. The work also includes several miles of roadway reconstruction with landscaping and sidewalks. The water distribution was designed and permitted by Craven Thompson, included 14,800 linear feet of 6" diameter main, 5,075 linear feet of 8" diameter main, and 5,140 linear feet of 12" diameter main. The sanitary improvements included 11,455 linear feet of 8" diameter pipe, 40 sanitary manholes and 2,945 linear feet of 16" diameter forcemain. The project also included 18,940 linear feet of storm sewer and the reconstruction of 5.2 miles of roadway.

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

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime- Surveying, Water & Wastewater modeling & Engineering, Civil Engineering, landscaping, Construction Management
b.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant – Sub-Surface Utility Locates
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

**STANDARD FORM 330**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 6
21. TITLE AND LOCATION (CITY AND STATE) NE 38 th Street Complete Streets Project Oakland Park, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2011 CONSTRUCTION (If applicable) 2015
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Oakland Park	b. POINT OF CONTACT NAME Ms. Jennifer Frastai, ICMA-CM Director Engineering & Community Development	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 630-4477 Email: Jenniferf@oaklandparkfl.gov

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

This project involved professional engineering & landscape architectural services for the design and permitting of approximately 0.90 miles of roadway improvements. The engineering services included a complete storm drainage system, a roundabout to replace an existing traffic signal, traffic calming devices, landscape and streetscape enhancement, utility coordination and relocation, and full roadway reconstruction. The main project objective was to discourage truck traffic and redirect cut-through traffic from NE 38th Street to alternate routes between Andrews Avenue and NE 11th Avenue. This project required permit approvals from Broward County Environmental Protection Department (EPD), and the City of Oakland Park Public Works and Engineering and Community Development Departments. This project will utilize FDOT LAP funding for construction. Craven Thompson and Associates assisted the City of Oakland Park with the funding procurement process.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Streetscape/Complete Streets, Civil Engineering, Roadway/Transportation, Landscape Architecture and Surveying Services
b.	(1) FIRM NAME Masuen Consulting, LLC	(2) FIRM LOCATION (City and State) 32801 Highway 441 N. #293 Okeechobee, Florida 34972	(3) Role Subconsultant - Landscape Irrigation Design
b.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant – Sub-Surface Utility Locates
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) Role



STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 7
21. TITLE AND LOCATION (CITY AND STATE) LW 2020 Master Plan - Roadway & Water Improvements Lake Worth, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2014 - 2016 CONSTRUCTION (If applicable) Estimated 2019
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Lake Worth	b. POINT OF CONTACT NAME Mr. Felipe Lofaso Assistant Director of Public Services	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (561) 586-1720 Email: flofaso@lakeworth.org

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

Craven Thompson and Associates, Inc. was contracted with the City of Lake Worth to design, permit and provide construction services for Projects 1, 3, 5, 6 & 8 of Year 1 of the Lake Worth 2020 Master Plan.



Project 1 - N M Street and N K Street from 2nd Avenue N to 6th Avenue N included new watermain and hydrants. N K Street from 2nd Avenue N to 7th Avenue N was in poor condition and required roadway and sidewalk reconstruction. A small segment at the southern end of each road fell within Problem Area 8 of the City's "Stormwater Master Plan", and therefore the storm sewer was upgraded.

Project 3 - N F Street from 5th Avenue N to 10th Avenue N involved the construction of both storm sewer and watermain. No pavement was identified with a PCI at or below 55 and therefore road reconstruction was necessary; however, utility trenching necessitated pavement replacement in trench areas and asphalt overlay.



Project 5 - N M Street from 9th Avenue N to 18th Avenue N involved the reconstruction of roadway. The existing section of road was identified as in a failed condition with a PCI less than or equal to 55. The entire road and base was reconstructed. The majority of the sidewalk also required reconstruction. The existing storm sewer pipe and structures from 16th Avenue N to 18th Avenue N was evaluated as to the condition of the materials. From 9th Avenue N to 16th Avenue N storm sewer was added.

Project 6 - on 11th Avenue N from Dixie Highway to N M Street involved the reconstruction of roadway and storm sewer. Between N M Street and N L Street the existing road was rated as being in a failed or poor condition with a PCI of less than or equal to 55. In these areas the entire road and base was reconstructed. The structural condition of the existing storm sewer pipe and structures along the roadway were evaluated. Piping and/or structures identified as in poor structural condition were replaced.

Project 8 - N J Street from 13th Avenue N to 16th Avenue N, and 15th Avenue N from N J Street to the railroad tracks, and 14th Avenue N from N J Street to Dixie Highway was identified as a part of Problem Area 3 in the "Stormwater Master Plan". This project included the installation of 700 linear feet of 24-inch diameter exfiltration trench with a nutrient separating baffle box at the end of the trench, the replacement of 950 linear feet of existing 18 and 24-inch diameter storm sewer with 30-inch diameter RCP storm sewer, and the replacement of 70 linear feet of existing 12-inch diameter storm sewer with 24-inch diameter RCP storm sewer.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Surveying, Roadway Design, Utilities, Storm Water, Storm Sewer, and Construction Inspection Services
b.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant – Sub-Surface Utility Locates



STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 8	
21. TITLE AND LOCATION (CITY AND STATE) North County Neighborhood Improvement Project NE Quadrant, Pompano Beach, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2007 - 2011 (Phased)	CONSTRUCTION (If applicable) 2010 - 2014 (Phased)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Broward County Water and Wastewater Services	b. POINT OF CONTACT NAME Patrick MacGregor, Expansion Administrator	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 831-0904 Email: pamacgregor@broward.org
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The North County Neighborhood Improvement Project (NCNIP) Northeast Quadrant includes approximately 720 acres of land between Dixie Highway and Federal Highway, North of Sample Road in Pompano Beach. The area was developed with a severely limited sanitary sewer system, no storm sewer nor any storm water quality treatment, and an inadequate water distribution system. The infrastructure improvements to the existing neighborhood included a major ICPR drainage basin study, roadway rehabilitation, new water distribution systems, new sanitary sewer collection systems, new storm sewer, new storm water quality treatment, landscaping, signage, and sidewalk systems. The sanitary sewer collection system consisted of 69,550 linear feet - 8" gravity main, 807 linear feet - 10" gravity main, 129 linear feet - 12" gravity main, and 144 linear feet - 16" gravity main. The sanitary force main system consisted of 540 linear feet - 8" main, and 1,540 linear feet 12" main. The water distribution system additions included 35,626 linear feet - 6" main, 10,161 linear feet - 8" main, 841 linear feet - 12" main, 1,306 linear feet - 20" main, and 1,023 linear feet - 24" main.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Civil Engineering, Utilities, Storm Water, Storm Sewer, Surveying, Planning, Landscape Architecture, Construction Inspection Services
b.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant – Sub-Surface Utility Locates
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) Role

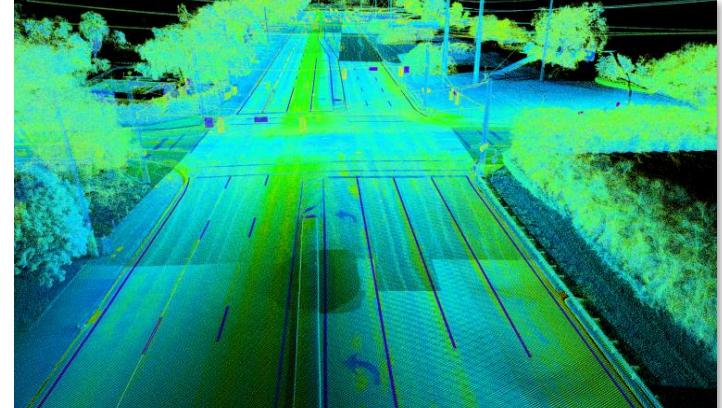


STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 9
21. TITLE AND LOCATION (CITY AND STATE) Watermain Replacement Program (from Taft Street to Charleston & N. 66 th Avenue to North 72 nd Avenue, Hollywood, Florida)		22. YEAR COMPLETED PROFESSIONAL SERVICES 2014 - 2016 CONSTRUCTION (If applicable) 2018
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Hollywood	b. POINT OF CONTACT NAME Mr. Clece Aurelus P.E. Engineering Manager	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 921-3930 Email: caurelus@hollywoodfl.org

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

The project consists of approximately 750 acres of existing developed area, where CTA performed mobile Lidar surveying, system modeling, design, permitting, bidding and limited construction engineering and inspection to construct approximately 7,080 linear feet of new 4" diameter water main, 34,015 linear feet of new 8" diameter water main, 15,655 linear feet of new 12" diameter water main, 5,200 linear feet of new 16" diameter water main, and the relocation to the front of the lots of services located in the rear yards. CTA is coordinating with the lot owners. This project also included the installation of new fire hydrants, relocated services, right-of-way restoration, and the restoration of affected areas on private property.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Surveying, Civil Engineering (Utilities) and Construction Inspection Services
b.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant – Sub-Surface Utility Locates
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



STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 10
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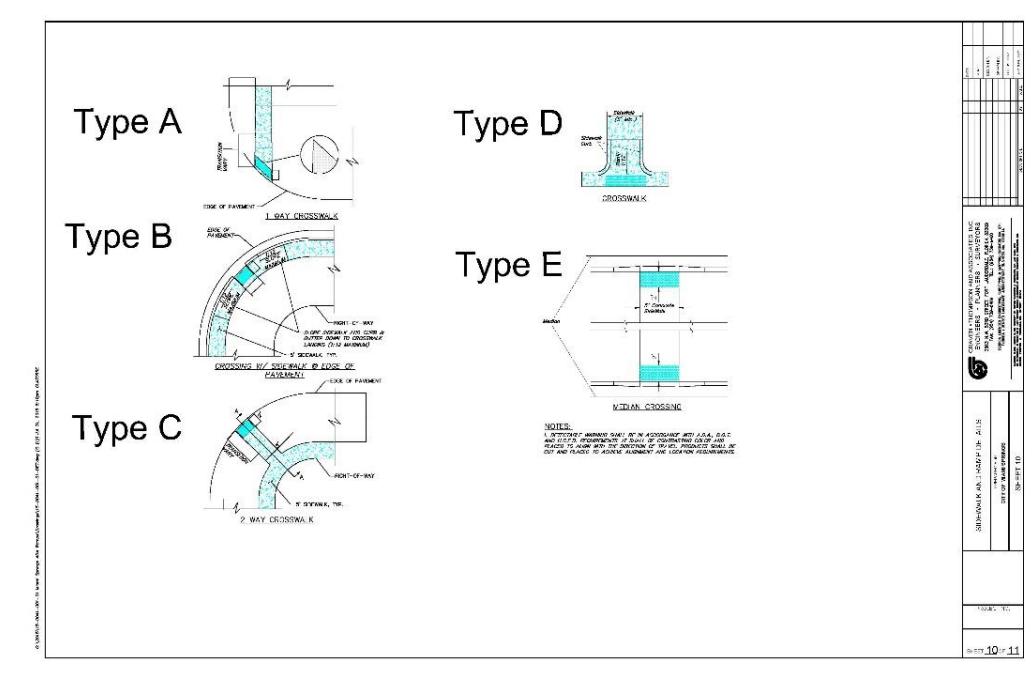
21. TITLE AND LOCATION (CITY AND STATE) City-Wide ADA Ramp Project Miami Springs, Florida	22. YEAR COMPLETED PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015 - 2016
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23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Miami Springs	b. POINT OF CONTACT NAME Ms. Carol Foster Project Coordinator	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (305) 805-5054 Email: cfoster@miamisprings-fl.gov

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

Craven Thompson & Associates was retained by the City of Miami Springs to assist with the design and permitting of new and replacement ADA ramps throughout the City. The project is funded through the legislative appropriation process.

The project included field evaluation of intersections throughout the City to determine the location of non-conforming or missing ADA ramps. Based on that information, CTA developed a set of construction plans for installation of the ramps per FDOT standards.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Surveying, civil engineering, permitting, bidding & construction 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



STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 11	
21. TITLE AND LOCATION (CITY AND STATE) Floranada Road Traffic Calming Improvements Oakland Park, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2011 - 2012	CONSTRUCTION (If applicable) 2013

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Oakland Park	b. POINT OF CONTACT NAME Ms. Jennifer Frastai, ICMA-CM Director Engineering & Community Development	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 630-4477 Email: Jenniferf@oaklandparkfl.gov
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The City of Oakland Park was seeking to implement traffic calming measures to enhance the safety of pedestrians and automobiles on Floranada Road, between Dixie Highway and Federal Highway. Improvements surveyed, designed and permitted by Craven Thompson included traffic roundabouts at the roadways intersections with NE 13th Avenue and NE 16th Avenue. Two traffic chokers were installed at NE 15th Avenue and at NE 15th Terrace.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Surveying, Roadway Design, Traffic Calming, Civil Engineering, Landscape Architecture and Construction Services
b.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant - Sub-Surface Utility Locates
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


STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 12
21. TITLE AND LOCATION (CITY AND STATE) Lift Station A-6 Upgrade Project Hollywood, Florida	22. YEAR COMPLETED PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2017
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Hollywood	b. POINT OF CONTACT NAME Mr. Clece Aurelus, P.E. Engineering Manager	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 921-3930 Email: caurelus@hollywoodfl.org

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

This project involved the reconstruction of sanitary sewer Lift Station A6 which included the replacement of the existing suction lift pump station with a new wet well, submersible pumps, converting the existing wet well into a manhole, valve vault, panels, SCADA system as well as hardscape and landscaping. The new lift station will also be designed to accept City standard transfer switch for a generator. The work included coordination with the contractor and developer for the residential development to west. The coordination included accounting for the additional flows and allowing for a temporary connection to the existing wet well. The pumps were designed as variable frequency drives in order to meet the flow-pressure requirements provided by the City.

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

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Surveying, sanitary lift station design, permitting, bidding & construction 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

**STANDARD FORM 330**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 13
21. TITLE AND LOCATION (CITY AND STATE) Comprehensive Stormwater Master Plan Aventura, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2015-2018
		CONSTRUCTION (If applicable) N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Aventura	b. POINT OF CONTACT NAME Mr. Tony Tomei, Capital Projects Manager / ADA Coordinator	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (305) 466-8923 Email: ttomei@cityofaventura.com
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Craven Thompson & Associates' (CTA) services under this project include:

- Preparing GPS Network / AutoCAD drawing of City's Stormwater System: locating and entering data on stormwater structures in the City; creation of a GPS Control Network for the City that can be utilized by any surveyor or contractor in the future for both horizontal and vertical control.
- Developing a condition assessment of existing stormwater structures.
- CTA subcontracted aerial LiDAR services for aerial photogrammetry. This includes updated LIDAR data and high-resolution aerial photography.
- CTA is creating an ICPR Software model of the existing stormwater system including the integration of previous models performed for the area. A stormwater capital improvement plan is being created based on the results of the model.
- CTA is developing a comprehensive *Operations and Maintenance Manual* for the City's stormwater system.
- CTA's sub-consultant, Collective Water Resources, Inc., is completing a sea level rise study for the City. CTA and sub-consultant are performing a stormwater utility fee analysis in conjunction with this project.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Surveying, stormwater computer modeling, Stormwater Master Plan, Storm GIS database development, CIP Development
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) Role
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) Role


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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 14
21. TITLE AND LOCATION (CITY AND STATE) Original Section Drainage Improvements Greenacres, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2014 -2015 CONSTRUCTION (If applicable) 2016 Phase 1 Complete
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Greenacres	b. POINT OF CONTACT NAME Mr. Carlos Cedeno Public Works Director	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (561) 642-2074 Email: ccedeno@greenacresfl.gov

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

This project was an existing 250-acre neighborhood between Jackson Avenue and Fleming Avenue from Lake Worth Road to 10th Avenue North. The project required 4,500 linear feet of drainage pipe, 21,615 linear feet of ditch re-shaping, longs lengths of sidewalk replacement, driveway restorations, and pavement restoration. The Phase 1 project required installation of 500 linear feet of 36" RCP storm pipe, 1,010 linear feet of 24" RCP Storm Pipe, 156 linear feet of 18" RCP Storm Pipe, 156 linear feet of 12"x18" RCP storm Pipe, significant ditch reshaping, sidewalk replacement, and replacement of outfall to LWDD canal.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Surveying, stormwater modeling, design, permitting, and CEI 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



STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 15
21. TITLE AND LOCATION (CITY AND STATE) Central Broward Water Control District – District Engineer Davie, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2007 - Present
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 432-5110 Email: districtmanager@centralbrowardwcd.org
Central Broward Water Control District	Mr. Michael Crowley, District Manager	

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

Craven Thompson & Associates, Inc. (CTA) has served as the District Engineer for the Central Broward Water Control District (CBWCD) since March 2007. In this capacity, we review and recommend approval of all drainage projects within the District; review variance requests; serve on the Development Review Committee; attend Board meetings; and prepare construction plans for capital improvement projects. Services to the District include plan and Constructability Review; engineering studies and reports; plan review, surveying; design & permitting for capital improvement projects; construction services; inspection services; and meeting attendance.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Surveying, stormwater modeling, design, capital improvement development, plan review, permitting, and CEI 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



STANDARD FORM 330

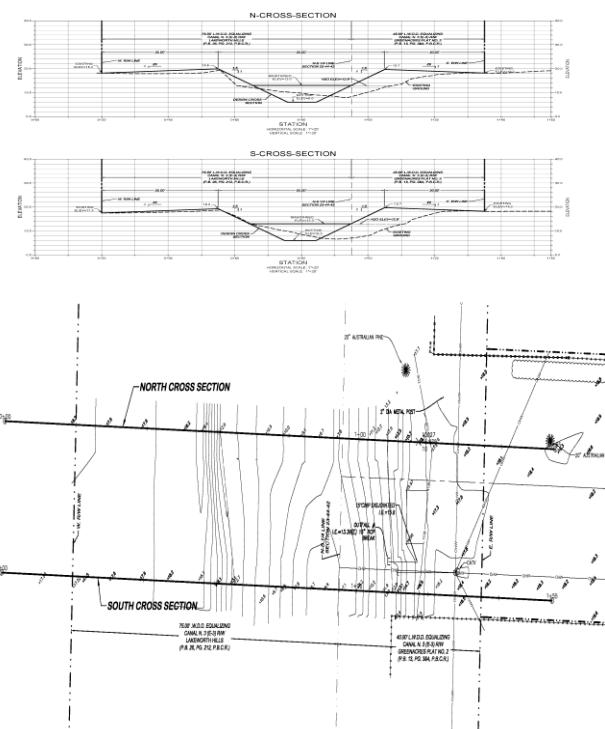
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 16
21. TITLE AND LOCATION (CITY AND STATE) Hydrographic and Stormwater Infrastructure Survey Greenacres, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2014 -2015
		CONSTRUCTION (If applicable) N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Greenacres	b. POINT OF CONTACT NAME Mr. Carlos Cedeno Public Works Director	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (561) 642-2074 Email: ccedeno@greenacresfl.gov
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Along with our sub-consultant, Craven Thompson & Associates, Inc. created a survey from high resolution, low level LiDAR and ground surveying. The survey included roadways and canal cross-sections for proposed Drainage Improvements. Also included Right-of-way surveys, storm drains, canals and ditches along 1st Street in the Original Section area of the City of Greenacres and a portion of Lake Worth Canal E-3 (cross sectioned).


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Surveying
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



STANDARD FORM 330

**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**
17
21. TITLE AND LOCATION (CITY AND STATE)

North Miami Beach Water & Sewer Service Area GIS & Mapping
North Miami Beach, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2014-2016

CONSTRUCTION (If applicable)
N/A

23. PROJECT OWNER'S INFORMATION
a. PROJECT OWNER

City of North Miami

b. POINT OF CONTACT NAME

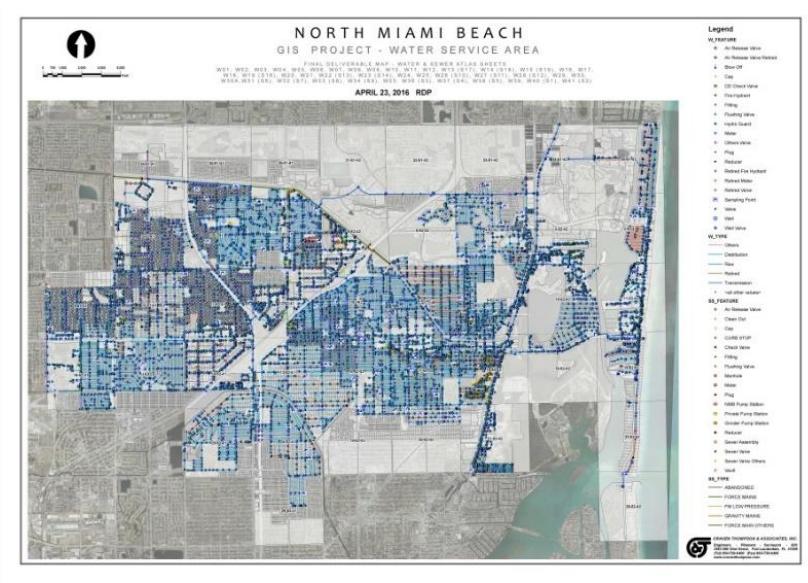
Mr. Karim Rossy
Utilities Engineering Manager

c. POINT OF CONTACT TELEPHONE NUMBER

Phone: (305) 948-2980, Ext. 7962
Email: karim.rossy@citynmb.com

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

The purpose of the 25,600 Acre Service Area Project was to provide the City with the complete GIS product of their water and sanitary system. This involved the conversion of the City's existing water and sanitary sewer infrastructure, from an AutoCAD drawing file format to the industry standard, Environmental Systems Research Institute (ESRI) Geographic Information System (GIS) format. The Project included the entire North Miami Beach Utility service area. The process included conversion of existing AutoCAD files, into the same coordinate system as the GIS, so that future updates will be more easily transferred between the two systems, for updates and maintenance. The project involved setting up a GIS Network file structure for the City to insert existing and future documentation into, as well as, adding GIS database information in the future.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - G.I.S. & Mapping
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


STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 18
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21. TITLE AND LOCATION (CITY AND STATE) Lift Station E-2 Rehabilitation Hollywood, Florida	22. YEAR COMPLETED PROFESSIONAL SERVICES 2013-2014	CONSTRUCTION (If applicable) 2015
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23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Hollywood	b. POINT OF CONTACT NAME Mr. Jeff Jiang, P.E. Senior Project Manager	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 921-3930 Email: fjiang@hollywoodfl.org

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

The lift station was equipped with three - 22 horsepower pumps, which were upgraded to 46.94 horsepower pumps. The final design upgraded the pumps to three - 45 horsepower pumps to meet the build-out increased sanitary flow and the current DEP standards. All the 8-inch piping and valves in the lift station were upgraded to 12-inch size. These upgrades increased the lift station capacity from approximately 1,700 gallons per minute to 3,500 gallons per minute. The additional upgrades provided odor control through additional high stack vent and new wet well hatch with odor reduction gaskets.

The surveying of the existing above and below ground elements of the station was performed using a Leica C-10 Laser Scanner. Craven Thompson provided surveying and civil engineering services for the project.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Surveying, Wastewater Engineering, Sanitary Lift Station Design & Permitting, Construction Services
b.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant – Sub-Surface Utility Locates
c.	(1) FIRM NAME The Chappell Group	(2) FIRM LOCATION (City and State) 714 East McNab Road Pompano Beach, Florida 33060	(3) Role Subconsultant - Environmental Services
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) Role



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**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**
19
21. TITLE AND LOCATION (CITY AND STATE)

City of North Miami Surveying Plat Review Services
North Miami, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2002 - Present

CONSTRUCTION (If applicable)

N/A

23. PROJECT OWNER'S INFORMATION
a. PROJECT OWNER

City of North Miami

b. POINT OF CONTACT NAME

Ms. Tanya Wilson-Sejour, AICP
Planning, Zoning, & Development
Director

c. POINT OF CONTACT TELEPHONE NUMBER

Phone: (305) 895-9828
Email: tsejour@northmiamifl.gov

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

For the City of North Miami, Craven Thompson reviews plats for conformance with the City of North Miami's Subdivision Requirements, Miami-Dade County Subdivision Requirements, and Chapter 177 Florida Statutes. We then prepare a checklist with comments and redline prints with deficiencies. Comments are transmitted to the City for presentation to the applicant.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Surveying plat review 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


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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 20
21. TITLE AND LOCATION (CITY AND STATE) Stormwater Master Plan GIS & Surveying Fort Lauderdale, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2016 - 2017
		CONSTRUCTION (If applicable) N/A

23. PROJECT OWNER'S INFORMATION

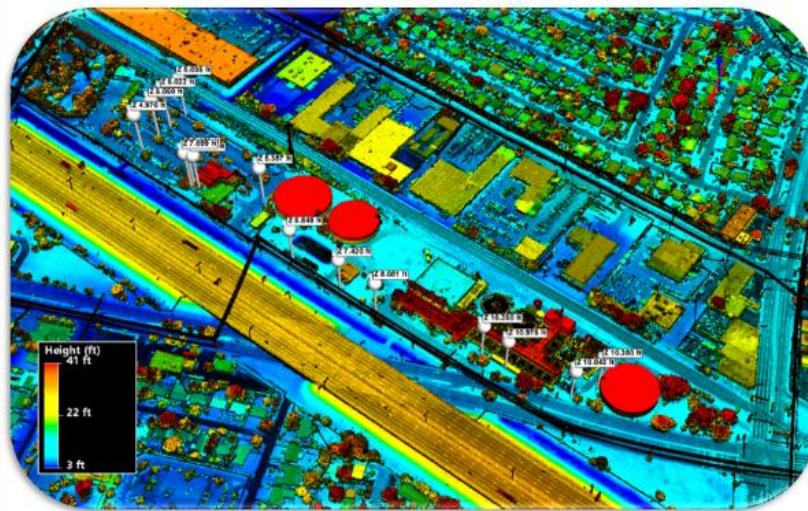
a. PROJECT OWNER City of Fort Lauderdale	b. POINT OF CONTACT NAME Mr. Rares Patricia, MBA, P.E. Senior Project Manager	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 828-6720 Email: RPetrica@fortlauderdale.gov
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The survey limits of this project are described as the entire City limits of Fort Lauderdale. The City was flown with high density aerial LiDAR to a vertical accuracy of 0.15 feet across the entire City. From the Lidar, Craven Thompson (CTA) created a 2-foot grid Digital Elevation Model of the ground for modeling drainage flow. This required a GPS Control Network, and 309 ground control for the flight, performed over 5,000 verification shots on hard surfaces at major roadways across the city. The second part of this survey was to collect and evaluate 5,400 storm structures with Rims, Inverts, Pipe Size, material, and research As-built records of the City in the Stormwater system and provide the data to the City in ArcGIS Geodatabase conforming to their GIS Model Schema. CTA provided Surveying & Mapping, Stormwater As-built/Inventory, & GIS modeling.

Fort Lauderdale – Stormwater Master Plan

Five Ash Water Treatment Plant



➤ Random QA/QC Surveys

- Lidar Elevations
- Survey Elevations

Survey to Lidar differences		
Δ X	Δ Y	Δ Z
0.37	-0.27	0.05
0.20	-0.14	0.06
0.39	-0.02	0.03
0.26	0.02	0.06
0.14	0.09	0.08
0.02	0.00	0.16
0.25	-0.02	-0.05
1.50	-2.75	0.00
0.33	-0.03	0.13
0.04	-0.14	0.03
0.24	-0.22	0.13
0.10	-0.41	0.13
0.11	-0.17	0.17
-0.09	-0.01	0.13
0.00	-0.08	0.09
MEAN :	0.26	-0.28
		0.08

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Sub – GIS, Inventory, Surveying, & Mapping
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



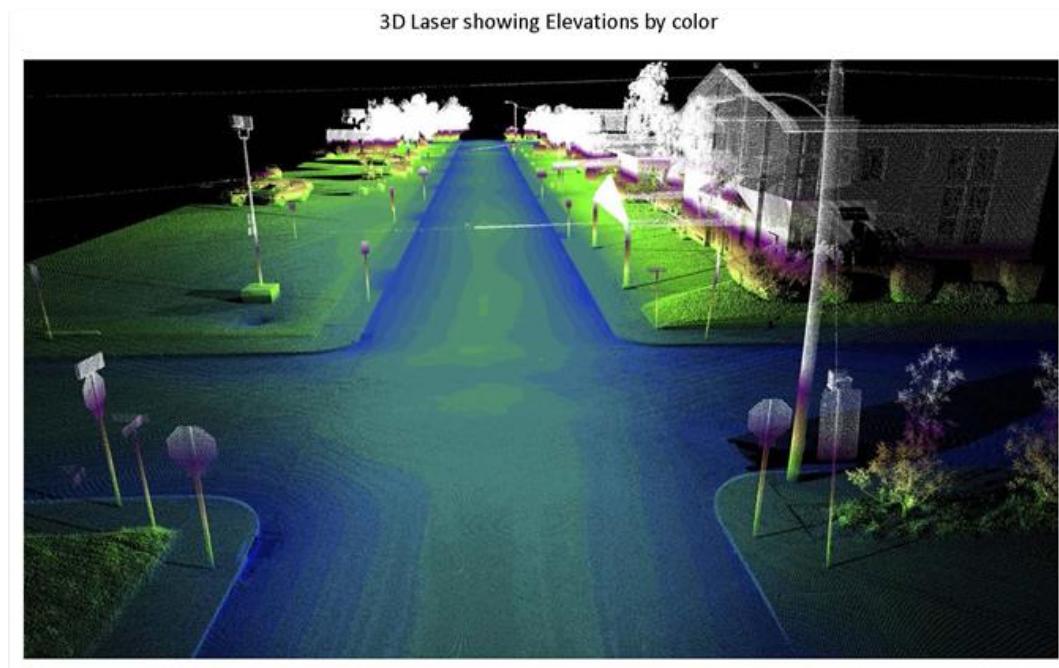
STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 21
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21. TITLE AND LOCATION (CITY AND STATE) LW 2020 Master Plan – Year 1 Survey Lake Worth, Florida	22. YEAR COMPLETED PROFESSIONAL SERVICES 2014 - 2015	CONSTRUCTION (If applicable) N/A
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23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Lake Worth	b. POINT OF CONTACT NAME Mr. Felipe Lofaso Assistant Director of Public Services	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (561) 586-1720 Email: flofaso@lakeworth.org

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)
Craven Thompson and Associates is contracted with the City of Lake Worth to survey, design, permitting and provide construction services for Projects 1, 3, 5, 6 & 8 of Year 1 of the Lake Worth 2020 Master Plan. The survey includes the recovery of sufficient existing boundary and/or right-of-way monumentation to determine the right-of-way lines needed to tie in all visible improvements. Locations of all aboveground and visible improvements, included all pavement, slabs, fences, signs, overhead wires, trees, and utility features, within the limits of the existing platted rights-of-way. Elevations were taken on an approximate at fifty (50) foot cross sections, along all roadways and extend approximately 20-25 feet outside the right-of-way where accessible, permitted by the adjacent property owners. Finish Floor elevations were measured on all residential and commercial buildings along each route where accessible and permitted by the adjacent property owners. Elevation datum to be decided by the City of Lake Worth and will be relative to North American Vertical Datum of 1988 (NAVD88).



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Surveying
b.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant – Sub-Surface Utility Locates



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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
22
1. TITLE AND LOCATION (CITY AND STATE)

Bicycle/Pedestrian Greenway & Trails Master Plan
Sunrise, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2014

CONSTRUCTION (If applicable)
2015

23. PROJECT OWNER'S INFORMATION
a. PROJECT OWNER

City of Sunrise

b. POINT OF CONTACT NAME

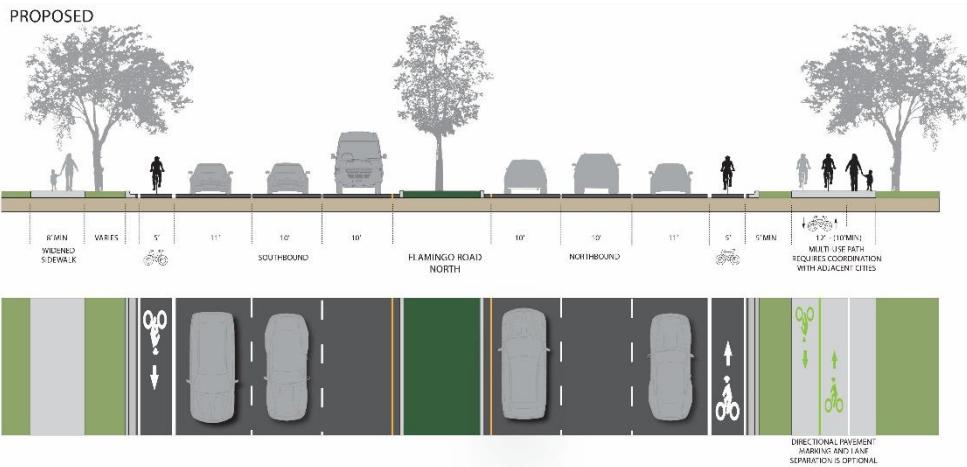
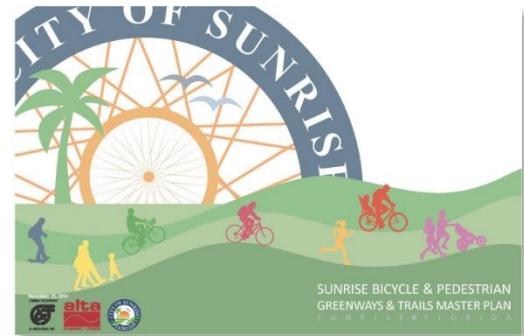
Ms. Rose Demarco
Leisure Services Director

c. POINT OF CONTACT TELEPHONE NUMBER

Phone: (954) 747-4600
Email: rdemarco@sunrisefl.gov

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

Craven Thompson & Associates, Inc. along with Alta Planning + Design was hired by the City of Sunrise to prepare a Citywide Bicycle / Pedestrian Greenways & Trails Master Plan. The Plan defines a system of sidewalks, bike lanes, paths, greenways and trails within the City of Sunrise that provides integrated and continuous corridors for non-motorized transportation and recreation throughout the City in a manner that is sensitive to the needs of various user groups, the natural and built environment, the management and maintenance, and potential funding capabilities of local government.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Design Guidelines, Multi-Modal Transportation, Master Planning
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


STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 23
21. TITLE AND LOCATION (CITY AND STATE) NE 14 th Avenue Streetscape Improvements Hallandale Beach, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2015 - 2017 CONSTRUCTION (If applicable) 2018

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Hallandale Beach	b. POINT OF CONTACT NAME Mr. Manga Ebbe, Project Manager	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 457-3043 Email: mebbe@cohb.org

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

The project area is along NE 14th Avenue between Hallandale Beach Boulevard and Atlantic Shores Boulevard. The project corridor is approximately 3,400 linear feet. The project includes: Mill and overlay entire roadway (including pavement markings); on east side of NE 14th Avenue, mill and overlay off-street parking (including pavement markings) and provide new Type 'D' curbed landscape bulb-outs to delineate parallel parking and include canopy trees, shrubs, groundcover and spray and drip irrigation; bike lanes on both sides of roadway; curbing or other treatments at existing driveway entrances; canopy trees with ground cover intermingled and drip irrigation on the west side of NE 14th Avenue; landscape screening along north, south, and west sides of the two (2) storm water pump stations.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Surveying, Streetscape, Landscape Architecture, Streetscape, Roadway Design & Permitting Services
b.	(1) FIRM NAME Masuen Consulting, LLC	(2) FIRM LOCATION (City and State) 32801 Highway 441 N. #293 Okeechobee, Florida 34972	(3) Role Subconsultant - Landscape Irrigation Design
c.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant - Sub-Surface Utility Locates

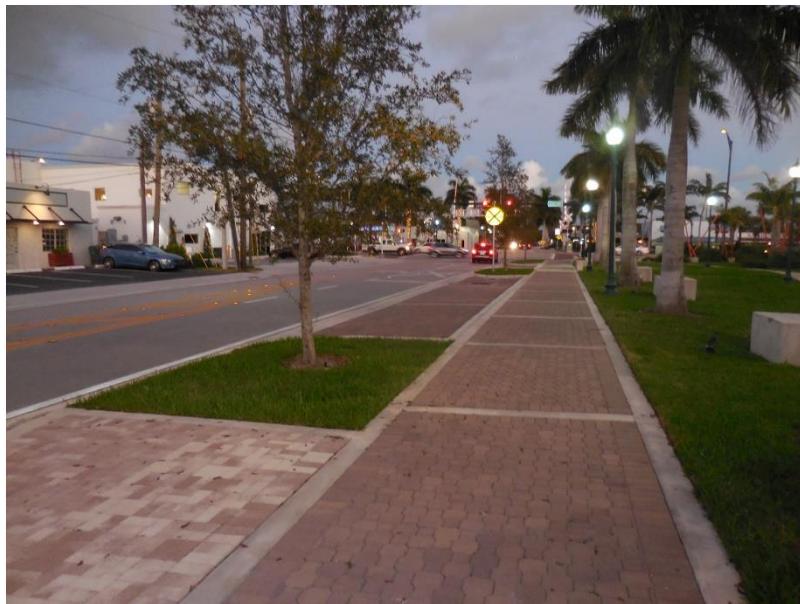


STANDARD FORM 330

LE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 24
21. TITLE AND LOCATION (CITY AND STATE) NE 34 th Court Complete Streets Project Oakland Park, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2010 CONSTRUCTION (If applicable) 2015
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Oakland Park	b. POINT OF CONTACT NAME Ms. Jennifer Frastai, ICMA-CM Director Engineering & Community Development	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 630-4477 Email: Jenniferf@oaklandparkfl.gov

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

This project involved full consulting services for surveying, design and permitting of approximately 0.70 miles of streetscape & roadway improvements on NE 34th Court from NE 2nd Avenue to Dixie Highway. The consulting services included landscape and streetscape enhancement, full roadway reconstruction design, stormwater management ADICPR modeling and design, storm sewer design, utility coordination and relocation, and all associated jurisdictional permitting. This project required permit approvals from Broward County Environmental Protection Department (EPD), Broward County Health Department, and the City of Oakland Park Public Works and Engineering and Community Development Departments. This project utilized FDOT LAP funding for construction. Craven Thompson and Associates assisted the City of Oakland Park with the funding procurement process.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Complete Streets/ Landscape Architecture, Survey, Roadway, Civil Engineering, Traffic, Drainage
b.	(1) FIRM NAME Masuen Consulting, LLC	(2) FIRM LOCATION (City and State) 32801 Highway 441 N. #293 Okeechobee, Florida 34972	(3) Role Subconsultant - Landscape Irrigation Design
c.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant – Sub-Surface Utility Locates



STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 25
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21. TITLE AND LOCATION (CITY AND STATE) Oak Hammock Park Sunrise, Florida	22. YEAR COMPLETED PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) 2015
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23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Sunrise Community Development Department	b. POINT OF CONTACT NAME Mr. Dave Abderhalden Capital Projects Coordinator	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 572-2264 Email: dabderhalden@sunrisefl.gov
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Funding for the acquisition of this site was provided through the Broward County Land Preservation Bond Program. Located adjacent to a canal opposite single-family homes and next to commercial development, this park site is a perfect natural buffer between the two uses. The location of this park next to a canal provided a wonderful opportunity to bring the water element into the park setting with a canoe trail encircling a "bird island". A proposed meandering boardwalk through the newly constructed wetlands is a serene and educational experience for all of the park's visitors. The site plan was designed to preserve and enhance all of the existing natural upland resources while providing a beautiful, safe and functional passive park for the residents. The park contains a walking/jogging trail utilizing pervious materials, multiple custom designed picnic pavilions, pervious parking, expansive open play areas, a large playground which includes rock climbing, and two custom designed restroom facilities, as well as environmental educational materials along the boardwalk and at the entrance. The park is also 75% planted utilizing native species and utilize recycled materials in all site furnishings. Craven Thompson and Associates was the prime consultant responsible for the park design as well as the survey, preparation of the Open Space Park Management Plan, the design workshops, conceptual site design, Construction Documents and Construction Management for the City of Sunrise.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Park Management Planning, Park design, Landscape Architecture, and Surveying Services
b.	(1) FIRM NAME Masuen Consulting	(2) FIRM LOCATION (City and State) 32801 Highway 441 N. #293 Okeechobee, Florida 34972	(3) Role Subconsultant – Landscape Irrigation Design
c.	(1) FIRM NAME The Chappell Group	(2) FIRM LOCATION (City and State) 714 East McNab Road Pompano Beach, Florida 33060	(3) Role Subconsultant - Environmental Services


STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 26
21. TITLE AND LOCATION (CITY AND STATE) Powerline Road Median Enhancements Oakland Park, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2014-2015 CONSTRUCTION (If applicable) 2016
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Oakland Park	b. POINT OF CONTACT NAME Ms. Jennifer Frastai, ICMA-CM Director Engineering & Community Development	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 630-4477 Email: Jenniferf@oaklandparkfl.gov

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

Craven Thompson & Associates (CTA) was retained by the City of Oakland Park to provide landscape modifications to medians on Powerline Road (State Road 845) located between Prospect Road and Commercial Boulevard (within the City limits). This included tree relocation, new landscaping & irrigation while coordinating between the City and the Florida Department of Transportation (FDOT). CTA assisted the City with submitting for and obtaining the Florida Highway Beautification Council Grant which funded \$100,000 of the construction costs.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Streetscape, Median Enhancement, Landscape Architecture, Urban Design, Surveying, and Construction Services
b.	(1) FIRM NAME Masuen Consulting	(2) FIRM LOCATION (City and State) 32801 Highway 441 N. #293 Okeechobee, Florida 34972	(3) Role Subconsultant – Landscape Irrigation Design
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



STANDARD FORM 330

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
27
21. TITLE AND LOCATION (CITY AND STATE)

69th Street Greenway Design Guidelines
Coconut Creek, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2014

CONSTRUCTION (If applicable)
Phased Final Documents

23. PROJECT OWNER'S INFORMATION
a. PROJECT OWNER

City of Coconut Creek

b. POINT OF CONTACT NAME

Ms. Liz Aguair
Principal Planner

c. POINT OF CONTACT TELEPHONE NUMBER

Phone: (954) 973-6756
Email: laguiar@coconutcreek.net

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

Craven Thompson worked with the City of Coconut Creek to develop and prepare an illustrative Design Guidelines package complete with conceptual plans and typical sections to give future developers an understanding of the design intent for the 69th Street Greenway. The Design Guidelines package included landscape guidelines, plans, typical sections, plant palettes, typical lighting elements, and site amenities per the City of Coconut Creek standards.



LIVE OAK



SAW PALMETTO



SLASH PINE



WILD COFFEE



SABAL PALM



GIANT SWORD FERN



FAKAHATCHEE GRASS

PLANT LIST

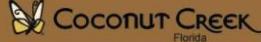
Scientific Name	Common Name	Specification
<i>Quercus virginiana</i>	LIVE OAK	2" Cal. 12' OA HEIGHT
<i>Pinus elliottii 'Densat'</i>	SLASH PINE	2" Cal. 12' OA HEIGHT
<i>Washingtonia</i>	SABAL PALM	MIN. 12' HT X 12' STAGGERED
<i>Sabalida repens</i>	SAW PALMETTO	MIN. 18" HT X 18" SPR
<i>Zizaniopsis miliacea</i>	WILD COFFEE	MIN. 24" HT X 24" SPR
<i>Psychotria nervosa</i>	WILD COFFEE	MIN. 24" HT X 24" SPR
<i>Thrinax radiata</i>	GIANT SWORD FERN	MIN. 14" HT X 24" SPR
<i>Triglochin striatum</i>	FAKAHATCHEE GRASS	MIN. 18" HT X 18" SPR
<i>Myrsinaceae 'Nana'</i>	FAKAHATCHEE GRASS	MIN. 18" HT X 18" SPR

WATERING:

- IRRIGATION IS NOT REQUIRED FOR GREENWAY PLANTING. HOWEVER, HAND WATERING FOR PLANT ESTABLISHMENT IS REQUIRED. A 3 MONTH WATERING PERIOD IS REQUIRED FOR TYPICAL PLANT MATERIAL AND 6 MONTHS FOR LIVE OAKS.

- WATERING SCHEDULE IS AS FOLLOWS:
WATER EVERYDAY FOR THE FIRST TWO WEEKS, THEN EVERY OTHER DAY FOR THE FOLLOWING TWO WEEKS. FOR THE REMAINING TIME, WATERING SHALL BE DONE TWICE A WEEK.

- CONTRACTOR SHALL GUARANTEE THE INSTALLED PLANT MATERIAL FOR ONE YEAR UPON FINAL ACCEPTANCE BY THE CITY. THE CITY WILL TAKE RESPONSIBILITY AND MAINTENANCE AT THAT TIME.



Coconut Creek
Florida

PLANT PALETTE

69TH STREET GREENWAY- DESIGN GUIDELINES

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Landscape Architecture, Design Guidelines Development
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


STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 28	
21. TITLE AND LOCATION (CITY AND STATE) Miramar Parkway & Miramar Boulevard Median Enhancements, Miramar, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER City of Miramar	b. POINT OF CONTACT NAME Mr. Salvador Zuniga, P.E. Assistant City Engineer	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 602-3323 Email: sezuniga@miramarfl.gov	

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

The project is along Miramar Parkway from the Florida Turnpike to Palm Avenue and along Miramar Boulevard from University Drive to Palm Avenue. The project includes landscaping and hardscape for two main thoroughfares through the City of Miramar. The medians lack aesthetic appeal and require various beautification enhancements. This is Phase I of a multi-phased project. The project requires permitting through the City and Broward County Construction and Highway Engineering Department. Craven Thompson & Associates is providing surveying and landscape architectural services.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Landscape Architecture and Median Enhancements
b.	(1) FIRM NAME Masuen Consulting, LLC	(2) FIRM LOCATION (City and State) 32801 Highway 441 N. #293 Okeechobee, Florida 34972	(3) Role Subconsultant - Landscape Irrigation Design
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



STANDARD FORM 330

**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**
29
21. TITLE AND LOCATION (CITY AND STATE)

City of Coconut Creek Landscape Peer Plan Review
Services, Coconut Creek, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2012 - Present

CONSTRUCTION (If applicable)
N/A

23. PROJECT OWNER'S INFORMATION
a. PROJECT OWNER

City of Coconut Creek

b. POINT OF CONTACT NAME

Ms. Sheila Rose
Director of Sustainable Development

c. POINT OF CONTACT TELEPHONE NUMBER

Phone: (954) 973-6730
Email: srose@coconutcreek.net

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

Craven Thompson & Associates provides landscape consulting Services for the City of Coconut Creek in regards to Landscape Plan Review. The services provided include full DRC reviews, Administrative Approval reviews, Tree Removal / Relocation reviews, and other additional landscape matters as they pertain to City landscape codes.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Landscape Architectural Plan Review Services, Peer Plan Review
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


STANDARD FORM 330

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 30	
21. TITLE AND LOCATION (CITY AND STATE) Pine Island Road and NW 50 th Street Athletic Complex Sunrise, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2015 -2017	CONSTRUCTION (If applicable) Estimated 2019
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER City of Sunrise	b. POINT OF CONTACT NAME Mr. Alan Gavazzi Capital Projects Director	c. POINT OF CONTACT TELEPHONE NUMBER Phone: (954) 746-3289 Email: agavazzi@cityofsunrise.org	

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

Craven Thompson & Associates, Inc. was selected by the City of Sunrise as the Prime Consultant to oversee all professional services including professional Surveying, Landscape Architectural, Civil Engineering, Architectural and Geotechnical Services for the proposed 16.5-Acre (bond-funded) Athletic Complex located at Pine Island Road and NW 50th Street.

In general, the project includes:

- Four (4) Baseball / Softball Fields
- Two (2) Soccer fields or One (1) Full Size Multi-Use Soccer / Football Field
- Hard covered dugouts
- Bleachers with cantilevered shade canopies
- Centralized two-story concession, restroom, meeting space and scorer's building
- One (1) restroom / maintenance building for the Soccer Fields
- Two (2) playgrounds with shade structures
- Sports lighting for all fields
- Batting cages
- Two (2) parking lots with entry signage
- Southbound Right turn lane on Pine Island Road
- Pedestrian connections to West Pine Middle School for shared use facilities agreement



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime – Park Design, Surveying, Landscape Architecture, Civil Engineering
b.	(1) FIRM NAME Masuen Consulting	(2) FIRM LOCATION (City and State) 32801 Highway 441 N. #293 Okeechobee, Florida 34972	(3) Role Subconsultant – Landscape Irrigation Design
c.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) 1860 Old Okeechobee Road, # 201 West Palm Beach, Florida 33409	(3) Role Subconsultant – Sub-Surface Utility Locates
d.	(1) FIRM NAME The Chappell Group	(2) FIRM LOCATION (City and State) 714 East McNab Road Pompano Beach, Florida 33060	(3) Role Subconsultant - Environmental Services
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) Role



STANDARD FORM 330

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
31
21. TITLE AND LOCATION (CITY AND STATE)

Urban Art Park
Oakland Park, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2012

CONSTRUCTION (If applicable)
2014

23. PROJECT OWNER'S INFORMATION
a. PROJECT OWNER

City of Oakland Park

b. POINT OF CONTACT NAME

Ms. Lori Douvris, Project Manager

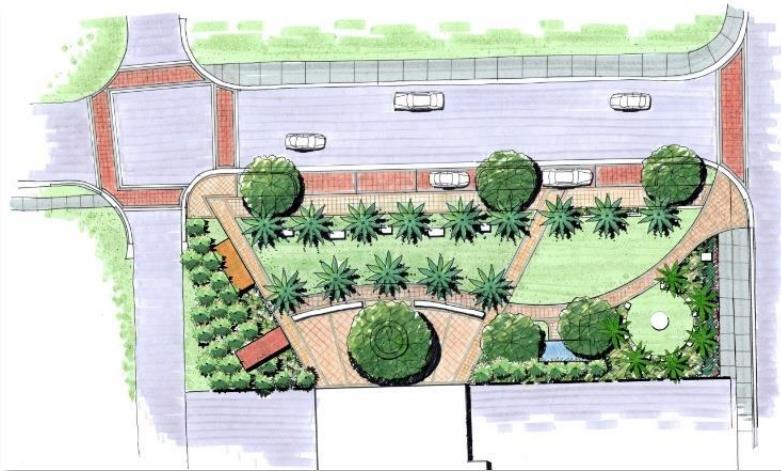
c. POINT OF CONTACT TELEPHONE NUMBER

Phone: (954) 630-4479

Email: lori.douvris@oaklandparkfl.gov

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

The Urban Art Park is a 1/4 acre space in the downtown core of Oakland Park. The park is designed to serve as a venue for art and sculpture installations, but also as a passive relaxing urban park space during times when no art is being displayed. The project consists of a graffiti wall for ever-changing and evolving public art and podiums/seat blocks that will serve as art displays during art installations and exhibits. On street parking, widened pedestrian walkways, enhanced crosswalks and streetscape planting upgrades were included in the scope of the park. The project was surveyed, designed, permitted and constructed in less than 10 months to meet grant requirements. Craven Thompson provided surveying, landscape architecture and civil engineering services.


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) 3563 NW 53 rd Street Fort Lauderdale, Florida 33309	(3) Role Prime - Landscape Architecture, Surveying & Civil 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


STANDARD FORM 330

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 (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	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40			
Patrick J. Gibney, P.E.	Principal/Project Mgr. – Civil Eng.		X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X																							
Douglas R. Taylor, P.E.	Civil Engineer	X		X		X	X		X		X		X						X	X																								
Matthew Cigale, P.E.	Civil Engineer			X	X	X	X	X	X			X				X					X	X																						
Robert Connors, P.E.	Civil Engineer		X					X																																				
Adolfo A. Gonzalez, P.E., LEED AP	Civil Engineer	X			X								X	X																														
Philip Joseph, P.E.	Civil Engineer			X		X			X	X	X		X	X																														
Luis Pimentel, E.I.	Project Engineer				X								X																															
Don Shaver	Construction Management	X		X	X	X	X		X	X	X	X	X	X				X				X	X	X																				
James Shedd	Construction Inspection			X		X	X		X	X		X	X	X				X				X	X	X																				
Richard D. Pryce, P.S.M.	Principal/Project Mgr. – Surveyor	X	X	X	X	X	X	X	X	X	X				X	X	X		X	X	X	X	X	X																				
Nicholas Messina, Jr., P.S.M.	Land Surveyor		X	X	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X																				
Douglas M. Davie, P.S.M.	Land Surveyor		X	X		X	X				X			X	X	X	X		X	X																								
Thomas C. Shahan, P.S.M.	Land Surveyor	X			X		X	X	X						X		X	X		X	X																							
Joseph D. Handley, R.L.A.	Principal/Project Mgr. – L.A.	X		X	X	X	X		X		X				X				X		X	X																						
Douglas Schultz, R.L.A., LEED AP	Landscape Architect	X			X		X														X	X	X	X	X	X																		
Scott W. Peavler, R.L.A.	Landscape Architect	X			X		X		X		X											X	X	X	X	X	X																	
Caleb Rothenberger, RLA, LEED AP	Landscape Architect	X			X			X														X	X	X																				

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Miramar Historic Area Complete Streets Phase II Miramar, Florida	11	Floranova Road Traffic Calming Improvements Oakland Park, Florida	21	LW 2020 Master Plan – Year 1 Survey Lake Worth, Florida	31	Urban Art Park Oakland Park, Florida
2	Stormwater Improvements to the River Oaks & Durrs Neighborhoods, Fort Lauderdale, Florida	12	Lift Station A-6 Upgrade Project Hollywood, Florida	22	Bicycle/Pedestrian Greenway & Trails Master Plan Sunrise, Florida	32	
3	North County Neighborhood Improvements, NW Quadrant, Broward County, Florida	13	Comprehensive Stormwater Master Plan Aventura, Florida	23	NE 14 th Avenue Streetscape Improvements Hallandale Beach, Florida	33	
4	Hallandale Beach Basis of Design Review (BODR) Hallandale Beach, Florida	14	Original Section Drainage Improvements Greenacres, Florida	24	NE 34 th Court Complete Streets Project Oakland Park, Florida	34	
5	Eastside Infrastructure Improvements Davie, Florida	15	Central Broward Water Control District – District Engineer, Davie, Florida	25	Oak Hammock Park, Sunrise, Florida	35	
6	NE 38 th Street Complete Streets Project Oakland Park, Florida	16	Hydrographic and Stormwater Infrastructure Survey, Greenacres, Florida	26	Powerline Road Median Enhancements Oakland Park, Florida	36	
7	LW 2020 Master Plan - Roadway & Water Improvements, Lake Worth, Florida	17	North Miami Beach Water & Sewer Service Area GIS & Mapping, North Miami Beach, Florida	27	69 th Street Greenway Design Guidelines Coconut Creek, Florida	37	
8	North County Neighborhood Improvement Project NE Quadrant, Pompano Beach, Florida	18	Lift Station E-2 Rehabilitation Hollywood, Florida	28	Miramar Parkway & Miramar Boulevard Median Enhancements, Miramar, Florida	38	
9	Watermain Replacement Program (from Taft Street to Charleston & N. 66 th Avenue to North 72 nd Avenue, Hollywood, Florida	19	City of North Miami Surveying Plat Review Services North Miami, Florida	29	City of Coconut Creek Landscape Peer Plan Review Services, Coconut Creek, Florida	39	
10	City-Wide ADA Ramp Project Miami Springs, Florida	20	Stormwater Master Plan GIS & Surveying Fort Lauderdale, Florida	30	Pine Island Road and NW 50 th Street Athletic Complex, Sunrise, Florida	40	

H. ADDITIONAL INFORMATION

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

Craven Thompson & Associates, Inc. (CTA) has been an industry leader in the South Florida area since our inception in 1962. With our office located in Broward County, we have established a high-profile presence through the years with a reputation of excellent service to many varied clients, performing the full range of professional services. We have worked closely with many governmental agencies to provide services such as roadway design, landscape architecture, neighborhood improvements, water and wastewater design, GIS/Mapping, surveying, planning, storm water management, streetscape, complete streets, roadway beautification and construction management.

CTA has been providing professional services to the Tri-County area since the formation of the firm. CTA has been involved in the design, permitting, surveying, contract administration and construction management of numerous infrastructure rehabilitation projects, redevelopment projects and Capital Improvement Projects, including roadway design, streetscape, traffic calming, roadway beautification, complete streets, the replacement and upgrade of water and sewer lines, new infrastructure, sewage pump stations, storm water drainage projects, and waterway projects. Our experience includes the design and construction of parks, roadways and all levels of stormwater management and drainage and municipal facilities. All of these projects included surveying, studies, modeling, cost estimating, design drawings, technical specifications and construction management for the replacement/rehabilitation of existing roadways and infrastructure and the construction of new drainage facilities, pavement and landscaping

CTA presents many distinct and unique advantages which will assure timely and cost-effective completion of projects. These advantages include the following:

- An experienced team: CTA staff has extensive experience with various types of unusual and difficult projects.
- Full service firm: CTA can provide all of the civil engineering, surveying landscape architecture, planning, GIS and construction support services needed in-house.
- Project management: Organization lines and responsibilities are clearly defined for each project, ensuring that the best qualified individual is matched to a particular assignment.
- Familiarity with Broward County agencies and engineering practices.
- Continuity: The Resources and staff available at CTA ensure responsive service and continuity throughout all phases of projects.

I. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts

31. SIGNATURE



32. DATE

July 24, 2018

33. NAME AND TITLE

Patrick Gibney, P.E., Vice President, Engineering

ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

PSEN-18-02

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME Craven Thompson & Associates, Inc.			3. YEAR ESTABLISHED 1962	4. DUNS NUMBER 06-362-4910
2b. STREET 3563 NW 53 rd Street			5. OWNERSHIP a. TYPE Corporation	
2c. CITY Fort Lauderdale		2d. STATE Florida	2e. ZIP CODE 33309	b. SMALL BUSINESS STATUS N/A
6a. POINT OF CONTACT NAME AND TITLE Patrick Gibney, P.E., Vice President, Engineering			7. NAME OF FIRM (If block 2a is a branch office) Same	
6b. TELEPHONE NUMBER (954) 739-6400	6c. E-MAIL ADDRESS pgibney@craventhompson.com		8b. YR. ESTABLISHED 1962 / 1975	8c. DUNS NUMBER
8a. FORMER FIRM NAME(S) (If any) Davis & Craven, Inc. / Davis, Craven, Thompson, Inc.				

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)	a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH						
02	Administrative	9	1	A06	Airports; Term. & Hangars	6	L01	Lab.; Med. Research Facilities	3
08	AutoCAD Technicians	2		A08	Animal Facilities	1	L02	Land Surveying	1
12	Civil Engineers	25	4	A11	Auditoriums & Theaters	1	L04	Libraries; Museums; Galleries	2
15	Construction Inspectors	6		B01	Barracks; Dormitories	1	O01	Office Bldgs.; Industrial Parks	5
16	Const. Management	1		B02	Bridges	1	P05	Planning (Comm.,Regional)	1
38	Land Surveying	31		C06	Churches; Chapels	1	P06	Planning (Site, Installation)	2
39	Landscape Architect	5		C10	Commercial Bldg.; Shopping	6	P13	Public Safety Facilities	3
47	Planners; Urban/Regional	1		C11	Community Facilities	4	R03	Railroad; Rapid Transit	3
				D07	Dining Halls; Clubs; Rest.	1	R04	Rec. Fac. (Parks, Marinas)	6
				E02	Educational Facilities	6	R06	Rehabilitation (Buildings)	2
				E09	Environmental Impact Studies	1	R09	Resources Recov.; Recycling	1
				E11	Environmental Planning	1	R11	Rivers; Canals; Waterways	2
				F02	Field Houses; Gyms; Stadiums	1	S04	Sewage Collection, Treatment	5
				G01	Garages; Vehicle Maint. Fac.	4	S07	Solid Wastes; Incin.; Landfill	5
				H01	Harbors; Ship Terminal Fac.	7	S10	Surveying; Platting; Mapping	1
				H06	High-rise	1	S13	Storm Water Handling & Fac.	6
				H07	Hwys.; Streets; Parking Lots	7	T02	Testing and Inspection Serv.	1
				H09	Hospital & Medical Facilities	5	T03	Traffic & Trans. Engineer	4
				H10	Hotels; Motels	4	T04	Topo. Survey & Mapping	1
				H11	Housing (Res.,Apts.,Condo)	7	U02	Urban Renewals; Comm. Dev.	9
				I01	Industrial Buildings	5	W01	Warehouses & Depots	1
	Other Employees			I06	Irrigation; Drainage	3	W02	Water Resources; Hydrology	2
	Total	80	5	J01	Judicial & Courtroom Fac.	3	W03	Water Supply; Treatment	4

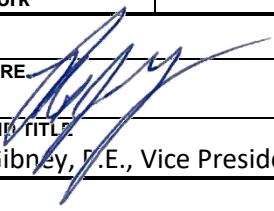
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS
(Insert revenue index number shown at right)

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000	6. \$2 million to less than \$5 million
2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
5. \$1 million to less than \$2 million	10. \$50 million or greater

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

a. SIGNATURE



b. DATE

July 24, 2018

c. NAME AND TITLE

Patrick Gibney, P.E., Vice President, Engineering

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

12. NAME Tyler Chappell		13. ROLE IN THIS CONTRACT Vice President		14. YEARS EXPERIENCE a. TOTAL 20	
15. FIRM NAME AND LOCATION <i>(City and State)</i> The Chappell Group, Inc., Pompano Beach, Florida					
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science, Texas Christian University, August 1997, Environmental Science		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>			
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> <ul style="list-style-type: none"> South Florida Association of Environmental Professionals, Past President Florida Association of Environmental Professionals, Past Board Member Florida Inland Navigation District, Broward Commissioner 					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION <i>(City and State)</i> Children's Reading Center & Museum Davie, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2009		CONSTRUCTION <i>(If applicable)</i> 2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> (\$100,000) The project consisted of preliminary environmental reviews and jurisdictional wetland permitting for a site designated for the development of a Children's Reading Center. TCG provided all environmental assessment, local, state and federal environmental permitting services for the project.		<input checked="" type="checkbox"/> Check if project performed with current firm		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> School Board of Broward County – Biological Assets Broward County, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2009		CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> (\$75,000) The project consisted of a pilot project for the review, assessment and quantification of biological assets associated with existing school sites within Broward County. TCG provided biological assessment and data analysis for the project, along with site inspection and environmental survey services with the surveyor of record.		<input checked="" type="checkbox"/> Check if project performed with current firm		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> School Board of Broward County – Phase I ESAs Broward County, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2008		CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> (\$25,000) TCG provided all services related to Environmental Site Assessments for various schools throughout Broward County.		<input checked="" type="checkbox"/> Check if project performed with current firm		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Markham Park Sunrise, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014		CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> TCG was subcontracted to monitor and collect data for lead and dust levels in vegetation, air and soil at the Markham Park & Target Range. TCG was responsible for monitoring air pollution levels, collecting soil samples, preparing daily and weekly reports and calculating lead percentages in various samples.		<input checked="" type="checkbox"/> Check if project performed with current firm		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Ravenswood Bus Shelter Dania Beach, Florida		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2011		CONSTRUCTION <i>(If applicable)</i> 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> The Chappell Group, Inc. conducted tree appraisals of all on-site specimen trees/palms (trees ≤18" at DBH and palm trees with 6' of clear wood and a DBH of ≤12"), assisted with the Tree Disposition Plan, and storm water permitting for the proposed project.		<input checked="" type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME Kathryn Bongarzone	13. ROLE IN THIS CONTRACT Project Biologist	14. YEARS EXPERIENCE a. TOTAL 4	
15. FIRM NAME AND LOCATION (City and State) The Chappell Group, Inc., Pompano Beach, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science, Averett University, December 2010, Environmental Science	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) • South Florida Association of Environmental Professionals, Member • USCG OUPV Licensed Captain with Towing Endorsement			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) Dania Beach Waterfront Revitalization Dania Beach, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013		(2) YEAR COMPLETED CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The Chappell Group provided environmental assessment, design and feasibility analysis for a proposed waterfront revitalization plan for the City of Dania Beach. Scope included environmental site assessment for the identification of regulatory permitting constraints, along with feasibility analysis of potential project components.		
b. (1) TITLE AND LOCATION (City and State) City of Sunrise Passive Parks Sunrise, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2009		(2) YEAR COMPLETED CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE (\$250,000) The Chappell Group was the lead environmental consulting firm for the preliminary environmental assessment, design and permitting of proposed passive park improvements. The scope included wetland jurisdictional determinations, mitigation design, permitting and monitoring.		
c. (1) TITLE AND LOCATION (City and State) Cooper City Soccer Park Cooper City, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES		(2) YEAR COMPLETED CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The Chappell Group was the lead environmental consulting firm for the preliminary environmental assessment, design and permitting of a proposed recreational facility and passive park. The project scope included the assistance in securing of grant funding, along with the design, permitting and construction observation of onsite mitigation.		
d. (1) TITLE AND LOCATION (City and State) Port Everglades Turning Notch and Wetland Enhancement Broward County	(2) YEAR COMPLETED PROFESSIONAL SERVICES		(2) YEAR COMPLETED CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE TCG is the lead environmental consulting firm for the design, permitting, monitoring, and construction inspection for the Port Everglades Turning Notch and Wetland Enhancement project. The project is a creation of 16.5-acre upland enhancement area related to the release of a portion of the existing 8-acre conservation easement.		
e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED PROFESSIONAL SERVICES		(2) YEAR COMPLETED CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 1
21. TITLE AND LOCATION (City and State) Dania Jai Alai, Dania Beach, Florida		22. YEARS COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If Applicable)
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Dania Entertainment Center, LLC	b. POINT OF CONTACT NAME Mr. Louis Birdman	c. POINT OF CONTACT TELEPHONE NUMBER (954) 920-1511
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) <p>The proposed project consists of the development of a docking facility along the Dania Cutoff Canal (DCC). Included in the redesign is the installation of a new seawall, marginal docks and finger piers, excavation of a basin, and the creation of a mangrove wetland and restoration area as mitigation.</p> <p>The Chappell Group, Inc. (TCG) provided all environmental services for the marina development, including the necessary approvals with U.S. Army Corps of Engineers (ACOE), Florida Department of Environmental Protection (FDEP), and Broward County Environmental Protection & Growth Management Department (EPGMD). TCG provided all applicable environmental services for the marina, including preliminary environmental assessments, required water and sediment analysis, and complete regulatory permitting services.</p> <p>Services:</p> <ul style="list-style-type: none"> Environmental Permitting Wetland Determination Benthic Survey Mitigation Design Sediment Quality Analysis Water Quality Analysis Bidding Assistance Construction Inspection 		
 <p>DANIA JAI ALAI PREPARED FOR DANIA ENTERTAINMENT CENTER, LLC</p> <p>PROPOSED CONDITIONS Date: 1/30/2017 Sheet: 2 of 2 Proj No.: 11-2023.001</p>		

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME The Chappell Group	(2) FIRM LOCATION (City and State) Pompano Beach, Florida	(3) ROLE Environmental Permitting, Wetland Determination, Benthic Survey, Mitigation Design, Sediment Quality Analysis, Water Quality Analysis, Bidding Assistance, Construction Inspection
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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 2	
21. TITLE AND LOCATION (City and State) Port Everglades Wetland Enhancement		22. YEARS COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If Applicable)	
23. PROJECT OWNER'S INFORMATION			
b. PROJECT OWNER Port Everglades	b. POINT OF CONTACT NAME Mr. John Foglesong, Division Director Seaport engineering & Const. Division	c. POINT OF CONTACT TELEPHONE NUMBER (954) 468-0143	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			
<p>The Chappell Group Inc. (TCG) is the lead environmental consulting firm for the design, permitting, monitoring, and construction inspection for the Port Everglades Wetland Enhancement project. The project was the creation of a 16.5-acre wetland enhancement area related to the release of a portion of the existing 8-acre conservation easement that will allow the Port to expand the Southport Turning Notch. The wetland enhancement project included the planting of over 53,000 mangroves, and over 17,000 Florida native transitional buffer plants. TCG prepared and processed the environmental applications for the mitigation and design of the wetland enhancement area to offset impacts associated with the proposed turning notch expansion. TCG also conducted construction inspection services including turbidity monitoring during in-water work, plant inspections of the mangroves and transitional buffer plants delivered, permit compliance, plan review, and erosion control inspections.</p> <p>TCG is currently conducting mitigation monitoring of the wetland enhancement area, coordinating nuisance/exotic removal to maintain permit compliance, and preparing monitoring reports to submit to the environmental regulatory agencies.</p>			
  			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(2) FIRM NAME The Chappell Group, Inc.	(2) FIRM LOCATION (City and State) Pompano Beach	(3) ROLE Mitigation Permitting and Design, Monitoring, Construction Observation
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 3
21. TITLE AND LOCATION <i>(City and State)</i> Dania Beachport Casino, Dania Beach, Florida		22. YEARS COMPLETED PROFESSIONAL SERVICES CONSTRUCTION <i>(If Applicable)</i>
23. PROJECT OWNER'S INFORMATION		
c. PROJECT OWNER Dania Entertainment Center,LLC	b. POINT OF CONTACT NAME Mr. Louis Birdman	c. POINT OF CONTACT TELEPHONE NUMBER
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		
<p>The Dania Beachport Casino Project consisted of the construction of a marina facility, mixed-use commercial center, parking and surface water management system as an accessory to the existing Dania Jai Alai. The proposed project included the excavation of a marina basin from existing uplands, dredging within the adjacent Dania Cutoff Canal (DCC) and the partial filling of existing jurisdictional wetlands and surface waters onsite to accommodate the proposed development and onsite mitigation.</p> <p>Due to the presence of mangroves and tidally influenced salt marsh wetlands onsite, onsite mitigation was proposed in the form of restoration and creation to match the unique wetland communities found onsite. A total of 3.13 acres of mangrove mitigation was proposed, consisting of 2.21 acres of restoration and 0.93 acres of creation. The mitigation consisted of a mixed coastal system including mangroves, salt marsh, coastal wet prairie and hammock buffer designed through the restoration of disturbed wetlands and additional creation to result in a habitat that is unique in Broward County.</p> <p>The Chappell Group, Inc. served as the environmental consultant for the proposed project and was responsible for all aspects related to the environmental permitting, design, and construction observation of the proposed project. Additional services provided for the project included jurisdictional wetland boundary verification with regulatory agency staff, marina design and full design services for the proposed onsite mangrove and salt marsh mitigation area.</p> 		

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(3) FIRM NAME The Chappell Group, Inc.	(2) FIRM LOCATION (<i>City and State</i>) Pompano Beach, Florida	(3) ROLE Mitigation Permitting, Mitigation Design, Mitigation Monitoring, Construction Observation
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 4	
21. TITLE AND LOCATION <i>(City and State)</i> Heron Bay, Coral Springs, Florida		22. YEARS COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION <i>(If Applicable)</i>	
23. PROJECT OWNER'S INFORMATION			
d. PROJECT OWNER WCI Communities	b. POINT OF CONTACT NAME Mr. Danville Leadbetter	c. POINT OF CONTACT TELEPHONE NUMBER (239)498-8264	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i> <p>The Chappell Group, Inc. (TCG) provided and continues to provide environmental services for the design and construction of numerous dredge and fill projects and mitigation design projects within the Heron Bay community.</p> <p>Environmental services include Preliminary Wetland Assessment reports, Due Diligence reports, and Jurisdictional Determinations with agencies including design services for dredge and fill projects. TCG also inspected the dredge and fill projects and performs monitoring of mitigation as required. Permitting services included expediting the permitting process through the U.S. Army Corps of Engineers, South Florida Water Management District, Broward County Environmental Protection Department and the North Springs Improvement District.</p> <p>TCG also reviewed all permits for the entire Heron Bay development and prepared a master permit file and GIS mapping grid of each subdivision to fast track permitting compliance and monitoring of all permits of the WCI development boundary including Parkland Golf and Country Club.</p>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(4) FIRM NAME The Chappell Group, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Pompano Beach, Florida	(3) ROLE Mitigation Services, Construction Observation
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 <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 5	
21. TITLE AND LOCATION (<i>City and State</i>) Port Everglades Turning Notch, Broward County, Florida		22. YEARS COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (<i>If Applicable</i>)	
23. PROJECT OWNER'S INFORMATION			
e. PROJECT OWNER Port Everglades	b. POINT OF CONTACT NAME Mr. John Foglesong	c. POINT OF CONTACT TELEPHONE NUMBER (954) 468-0143	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>Include scope, size, and cost</i>)			
Construction Cost: \$270,000,000.00			
<p>The Chappell Group Inc. (TCG) is the lead environmental consulting firm for the design, permitting and construction inspection for the Port Everglades Turning Notch project. The project is the excavation an existing 8-acre wetland under conservation easement that will allow the Port to create four new cargo berths in the Southport Turning Notch. On behalf of Broward County Seaport Construction & Planning Division, TCG prepared and processed the environmental resource applications for the proposed turning notch expansion and the wetland enhancement mitigation area to offset impacts associated with the proposed turning notch expansion. TCG also conducted a benthic resource assessment in the turning notch and conducted the permitting and design for the proposed coral mitigation and relocation of over 800 corals.</p> <p>TCG will provide construction inspection services during the construction of the turning notch including turbidity monitoring, water quality monitoring, protected species observation, environmental permit compliance, erosion control inspection, and plan review.</p>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME The Chappell Group, Inc.	(2) FIRM LOCATION (<i>City and State</i>) Pompano Beach, Florida	(3) ROLE Mitigation Services, Construction Observation
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

ARCHITECT-ENGINEER QUALIFICATIONS

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME The Chappell Group, Inc.		3. YEAR ESTABLISHED 2005	4. DUNS NUMBER
2b. STREET 714 East McNab Road		5. OWNERSHIP	
2c. CITY Pompano Beach		2d. STATE FL	2e. ZIP CODE 33060
6a. POINT OF CONTACT NAME AND TITLE Tyler Chappell		a. TYPE Corporation	
		b. SMALL BUSINESS STATUS Yes	
		7. NAME OF FIRM <i>If block 2a is a branch office</i>	
6b. TELEPHONE NUMBER 954-782-1908	6c. E-MAIL ADDRESS tyler@thechappellgroup.com	8b. YR. ESTABLISHED	8c. DUNS NUMBER
8a. FORMER FIRM NAME(S) <i>If any</i>			

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

FOR LAST 5 YEARS
(Insert revenue index number shown at right)

a. Federal Work	1
b. Non-Federal Work	4
c. Total Work	5

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000	6. \$2 million to less than \$5 million
2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

Th DATE

07/16/2018

c. NAME AND TITLE

Sarah Chappell, President

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 330 (6/2004) PAGE 6

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION (City and State)			
16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

STANDARD FORM 330 (REV. 8/2016) PAGE 2

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jose Lopez, PE	13. ROLE IN THIS CONTRACT Signal Design Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 13	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION (City and State) HBC Engineering Company, Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida, No. 81014		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Design Build for NE 2nd Avenue (Miami, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 2017
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Roadway Design Engineer and Deputy Project Manager. Responsibilities included pavement design, horizontal and vertical geometry, sidestreet and plateau intersections, signalization design, signing and marking, and traffic control plan	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) State Road 80 (Wellington, Florida).	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 2016
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer of Record. Responsibilities included traffic signal design for five signalized intersections and the addition of a new signal; advance warning flashing beacons, advance loops and Vehicle Video Detection Cameras	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) SW 8th Street and SW 147th Avenue (Miami, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 2017
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer of Record responsible for roadway and drainage improvements and a new signal design.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) SR 925/NW 3rd Ct. and NW 3rd Ave from 1st St. to NW 8th St. Miami, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 2016
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Roadway Engineer of Record for signing and pavement marking design. Project length 1.8 miles.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) SR 925 – NW 3rd Court and NW 3rd Avenue (Miami, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 2017
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer of Record. Milling and resurfacing of NW 3rd Court and NW 3rd Avenue from NW 1st Street to NW 8th Street. Perform signing and pavement marking design.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Gerard Osborne, P.E.	13. ROLE IN THIS CONTRACT Senior Traffic Engineer	14. YEARS EXPERIENCE a. TOTAL 33	b. WITH CURRENT FIRM 6 months
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15. FIRM NAME AND LOCATION (City and State)

HBC Engineering Company, Miami, FL

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering M.S. Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida, No. 81522
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Advanced Professional Certificate, Project Management, Florida International University, 2004

International Road Federation Fellow, 1991

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) SR 25 / Okeechobee Road From Krome Ave. to W 18th Ave. Hialeah, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable)
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a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
Corridor-wide microsimulation study to provide operational analyses of base year and future year scenarios. QA/QC review.

Check if project performed with current firm

(1) TITLE AND LOCATION (City and State) SR 25 at NW 95th St: Year 2040 Build Condition Weaving Analysis	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable)
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b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
QA/QC review and final report preparation.

Check if project performed with current firm

(1) TITLE AND LOCATION (City and State) Miami-Dade County Traffic Engineering Division (TED) - Schools Section	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable)
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c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
Responsible for authoritative reviews of school-related traffic studies on a County-wide basis.

Check if project performed with current firm

(1) TITLE AND LOCATION (City and State) Miami-Dade County TED - Data Collection Section Head	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable)
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d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
Management of the County's Traffic Analyst team – Traffic Counts, Intersection Data Collection, and Traffic Safety Data. Contract management for outsourced County-wide traffic data collection program.

Check if project performed with current firm

(1) TITLE AND LOCATION (City and State) FDOT 6 Districtwide Traffic Operations and Safety Studies Program	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2005	CONSTRUCTION (If applicable)
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e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
Project Manager in charge of the analysis, evaluation, and coordination of traffic operations and roadway safety issues for Metropolitan Miami-Dade County and Monroe County, including the Florida Keys.

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**

21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED
Intersection Improvement Miami Gardens Dr and Biscayne Blvd. Aventura, FL	PROFESSIONAL SERVICES CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Aventura	Harold Desdunes	305-470-5331

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

Intersection Improvement Miami Gardens Drive and Biscayne Blvd, in City of Aventura, Florida: Project Engineer for the Improvement of the existing northbound double left on Miami Gardens drive to triple left, addition of the southbound channelization lane (i.e. "Turbo Lane") to westbound Miami Gardens Drive, design of traffic signal with railroad signal actuation, maintenance of traffic plans, and provision traffic calming devices for lane delineation and protection of the motoring public. Project involves the generation of roadway, signing and pavement, drainage, lighting and traffic signal component plans. Project required coordination with utility companies and the Florida East Coast rail company for the design of proposed rail road gates.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	HBC Engineering Company	Miami, FL	Civil and Transportation Engineering
b.			
c.			
d.			
e.			
f.			

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**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)	22. YEAR COMPLETED
SR 858 Hallandale Beach Blvd.	PROFESSIONAL SERVICES 2016 CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT 4	James Hughes	954-777-4419

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

Performed traffic signal analysis for five intersections to enhance their traffic operation and safety along SR 858. Field data were collected and reviewed. The review included: Existing signal and pedestrian phasing; controller make, model, capabilities and condition/age; Condition of signal structure(s); Type of detection as compared with current district standards; interconnect Media; and controller.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME HBC Engineering Company	(2) FIRM LOCATION (City and State) Miami, FL	(3) ROLE Traffic 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

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ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

PSEN 18 02

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME HBC Engineering Company			3. YEAR ESTABLISHED 2006	4. UNIQUE ENTITY IDENTIFIER 801830535
2b. STREET 13155 S.W. 134th St. Ste. 207			5. OWNERSHIP	
2c. CITY Miami		2d. STATE FL	2e. ZIP CODE 33186	a. TYPE Corporation
6a. POINT OF CONTACT NAME AND TITLE Adebayo Coker, PE Senior Engineer			b. SMALL BUSINESS STATUS DBE,CBE,Micro/SBE,LDB	
6b. TELEPHONE NUMBER 305-232-7932			7. NAME OF FIRM (If Block 2a is a Branch Office)	
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000	6. \$2 million to less than \$5 million
2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
5. \$1 million to less than \$2 million	10. \$50 million or greater

12 AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b DATE

7/12/2018

c. NAME AND TITLE

Adebayo Coker, PE Senior Engineer

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

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Lillian Reyes	President	28	20

15. FIRM NAME AND LOCATION (*City and State*)

Electrical Design Associates, Inc. (Lake Worth)

16. EDUCATION (*DEGREE AND SPECIALIZATION*)Bachelors of Science in Electrical Engineering
Florida Atlantic University/198817. CURRENT PROFESSIONAL REGISTRATION (*STATE AND DISCIPLINE*)

FL Professional Engineer 50780

18. OTHER PROFESSIONAL QUALIFICATIONS (*Publications, Organizations, Training, Awards, etc.*)

Florida Engineering Society (FES), Illuminating Engineering Society (IES), & National Fire Protection Association (NFPA).

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (<i>City and State</i>)		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
a.	Dania Beach Mixed Use Development Phase I Dania Beach, FL	2016	2018
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
Electrical and control design associated with the lift station replacement. There were a total of two (2) lift station pumps operating at approximately 15-horsepower each. Our scope of work also included the design of the Pump Control Panel (PCP), the Remote Telemetry Unit, and a permanent standby generator.			
(1) TITLE AND LOCATION (<i>City and State</i>)		(2) YEAR COMPLETED	
Miramar Complete Streets Miramar, FL		PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
b.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
Electrical Design Associates, Inc. was contracted to provide a photometric evaluation and electrical design associated with the proposed pedestrian lighting, which was completed in accordance with the City ordinances, IES recommendations and the NEC. The design was based on Owner selected pedestrian type lighting.			
(1) TITLE AND LOCATION (<i>City and State</i>)		(2) YEAR COMPLETED	
Rutland Blvd. Lighting Improvements West Palm Beach, Florida		PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
c.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
EDA provided photometric evaluation for the roadway lighting along Rutland Blvd originating at Olive Avenue and extending east, an approximate length of 1600 LF. The photometric evaluation was completed based on the City standard Lumec type fixture model S55-40W-LED. EDA reviewed and revised the electrical design associated with the roadway lighting along Rutland Blvd, and performed general services during construction.			
(1) TITLE AND LOCATION (<i>City and State</i>)		(2) YEAR COMPLETED	
CROC Parking Lot Expansion Palm Beach County, Florida		PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
d.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
EDA provided photometric evaluation and electrical design associated with the proposed parking lot expansion in accordance with PBC Ordinances and IES Standards. The pole mounted assembly consisted of an 80C Type III LED fixture at a mounting height of 20â€™ above finished grade. Evaluation was based on the D-Series LED Luminaire as manufactured by Lithonia Lighting. EDA performed a light level test following the installation of the pole mounted lighting assemblies.			
(1) TITLE AND LOCATION (<i>City and State</i>)		(2) YEAR COMPLETED	
SWRF Building Improvements Orange County, Florida		PROFESSIONAL SERVICES	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	
Electrical design associated with the proposed HVAC improvements at the SWRF West Electrical Building (Old Generator Building), the Maintenance Building and the Administration Building. Electrical design associated with lighting affected by the HVAC improvements at the West Electrical Building (Old Generator Building), the Maintenance Building and the Administration Building. Electrical design associated with the exterior lighting at the West Electrical Building (Old Generator Building) based on the proposed architectural improvements.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 1
21. TITLE AND LOCATION (City and State) Miramar Complete Streets Miramar, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018

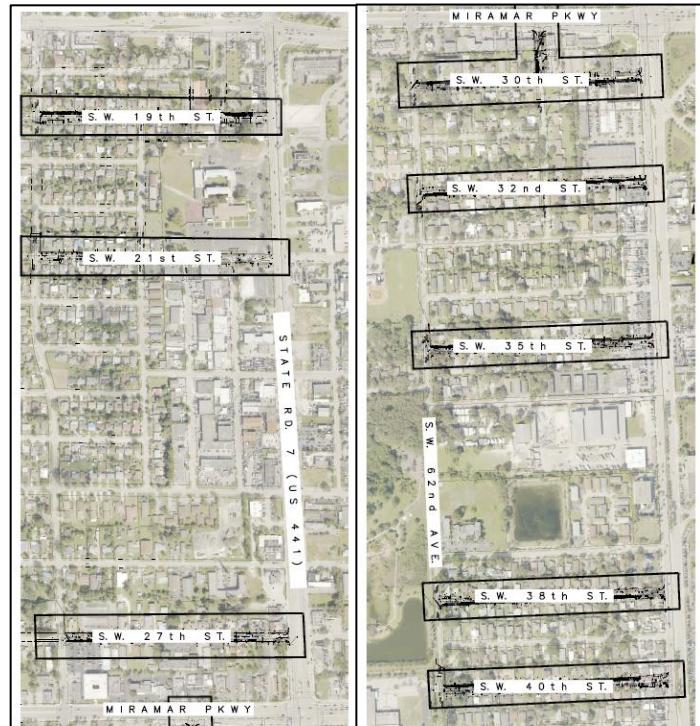
23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Miramar	b. POINT OF CONTACT NAME Bissy Vempala, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 954-602-3320
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Electrical Design Associates, Inc. was contracted to provide electrical design services for the referenced project. Our scope of work was as follows:

1. Photometric evaluation associated with the proposed pedestrian lighting; completed in accordance with the City ordinances, IES recommendations and the NEC. The evaluation was based on Owner selected pedestrian type lighting.
 - a. SW 19th Street - an approx length of 1350 LF.
 - b. SW 21st Street - an approx length of 1350 LF.
 - c. SW 27th Street - an approx length of 1350 LF.
 - d. SW 30th Street - an approx length of 1350 LF.
 - e. SW 32nd Street - an approx length of 1350 LF.
 - f. SW 35th Street - an approx length of 1350 LF.
 - g. SW 37th Street - an approx length of 1350 LF.
 - h. SW 39th Street - an approx length of 1350 LF.
2. Electrical Design associated with the proposed pedestrian lighting; completed in accordance with the City ordinances, IES recommendations and the NEC. The design was based on Owner selected pedestrian type lighting.
 - a. SW 19th Street - an approx length of 1350 LF.
 - b. SW 21st Street - an approx length of 1350 LF.
 - c. SW 27th Street - an approx length of 1350 LF.
 - d. SW 30th Street - an approx length of 1350 LF.
 - e. SW 32nd Street - an approx length of 1350 LF.
 - f. SW 35th Street - an approx length of 1350 LF.
 - g. SW 37th Street - an approx length of 1350 LF.
 - h. SW 39th Street - an approx length of 1350 LF.



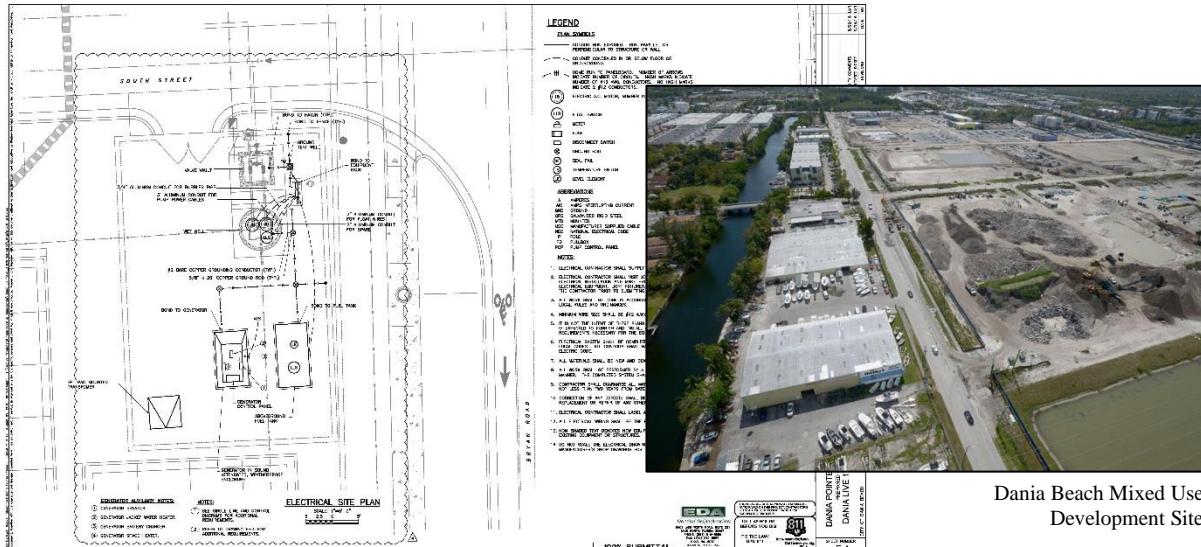
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Electrical Design Associates, Inc.	(2) FIRM LOCATION (City and State) Lake Worth, FL	(3) ROLE Electrical Engineer
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 2
21. TITLE AND LOCATION (City and State) Dania Beach Mixed Use Development Phase I Dania Beach, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2018
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Dania Beach	b. POINT OF CONTACT NAME Brad Kaine	c. POINT OF CONTACT TELEPHONE NUMBER 954-924-6808 x3747

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

Electrical Design Associates, Inc. was contracted to provide electrical design services for the referenced project. Our scope of work was as follows:

1. Electrical and control design associated with the proposed lift station replacement. There were a total of two (2) lift station pumps operating at approximately 15-horsepower each. All electrical distribution equipment was installed outdoors.
2. Our services also included:
 - The design of the Pump Control Panel (PCP) designed in accordance with required standards.
 - The design of a Broward County standard Remote Telemetry Unit (or equivalent)
 - The design of a permanent standby generator. This included required automatic transfer switch and fuel system capacity design.
 - Coordination with the local power company as required to establish electrical service for the proposed facility.



Electrical Site Plan

Dania Beach Mixed Use Development Site

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Electrical Design Associates, Inc.	(2) FIRM LOCATION (City and State) Lake Worth, FL	(3) ROLE Electrical Engineer
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Stephen Bailey	13. ROLE IN THIS CONTRACT Chief Electrical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 34	b. WITH CURRENT FIRM 26

15. FIRM NAME AND LOCATION (City and State)

Bailey Engineering Consultants, Inc. (Cooper City, Florida)

16. EDUCATION (DEGREE AND SPECIALIZATION)

Bachelors of Electrical Engineering
Georgia Institute of Technology/1983

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Florida/Professional Engineer 42461
New York/Professional Engineer 94774

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

National Society of Professional Engineers (NSPE); Institute of Electrical and Electronic Engineers (IEEE); Florida Engineering Society (FES); National Fire Protection Association (NFPA); Instrument Society of America (ISA).

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Broward County Lift Stations 50N & 50M1 Broward County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. Bailey Engineering Consultants, Inc. was contracted to provide electrical, instrumentation and control design associated with the replacement of two (2) lift stations. Each lift station is a duplex pump station with across the line starters for each pump. Our scope included design of the Pump Control Panel (PCP), a Remote Telemetry Unit (RTU) and a portable standby generator.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Margate Lift Station No. 22 Margate, FL	(2) YEAR COMPLETED 2014	CONSTRUCTION (If applicable) 2015
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. BEC provided design of the electrical and control system for the duplex lift station improvements in accordance with the City standards. Our design included solid state starters for the pump motors.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Miramar East WTP Expansion Miramar, FL	(2) YEAR COMPLETED 2016	CONSTRUCTION (If applicable) 2019
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE c. Bailey Engineering Consultants, Inc. was contracted to provide electrical and instrumentation design and construction management services for the Miramar East WTP upgrades project.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Tindall Hammock W/WWTP Improvements Davie, Florida	(2) YEAR COMPLETED 2015	CONSTRUCTION (If applicable) 2016
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE d. Bailey Engineering Consultants, Inc. (BEC) provided electrical, control system design and construction management services associated with the electrical system for the water and wastewater facilities, providing EPA Class 1 reliability	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Groveland Lift Station No. 18 Groveland, FL	(2) YEAR COMPLETED 2015	CONSTRUCTION (If applicable) 2015
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE e. BEC provided design for a permanent standby generator for Groveland LS No. 18. This included design associated with the proposed duplex lift station. The design was based on the installation of two (2) 40-horsepower pumps with across the line starters. Our services also included the design of the Pump Control Panel system and a VT SCADA RTU.	<input checked="" type="checkbox"/> Check if project performed with current firm	

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 1
21. TITLE AND LOCATION (City and State) Broward County Lift Stations 50N & 50M1 Broward County, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Broward County	b. POINT OF CONTACT NAME Francisco Reina	c. POINT OF CONTACT TELEPHONE NUMBER 954-831-3250
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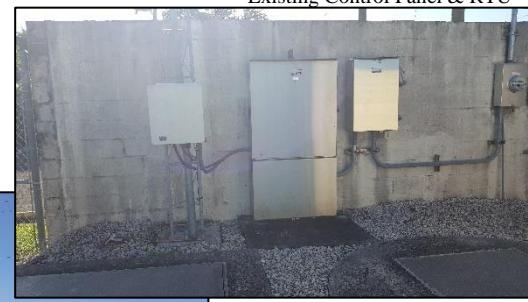
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Bailey Engineering Consultants, Inc. was contracted to provide electrical design for the referenced project. Our scope of work included the following:

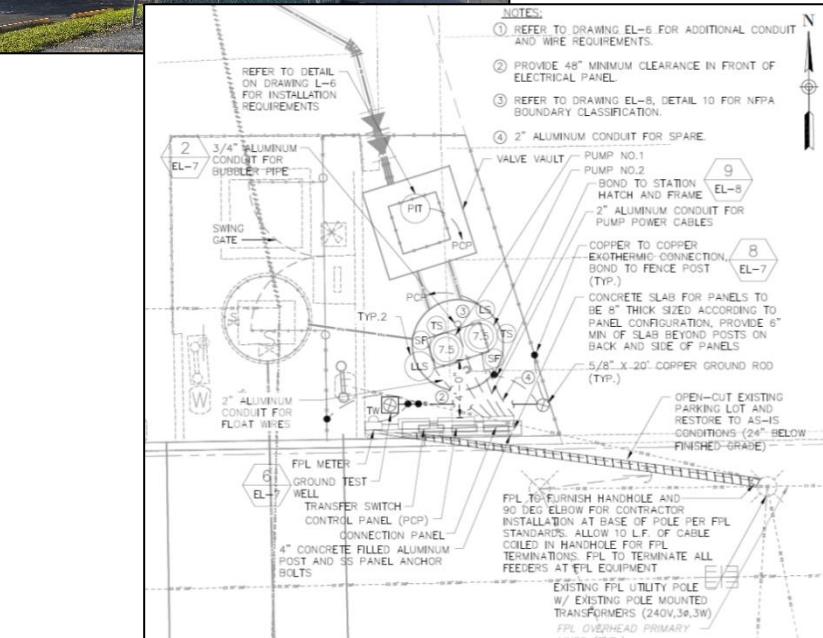
1. Electrical, instrumentation and control design associated with the replacement of two (2) lift stations. Each lift station is a duplex pump station with across the line starters for each pump. Sizes for each proposed pump assumed to be less than 25-horsepower. All electrical distribution equipment was installed outdoors.
2. Our services also included the design of the Pump Control Panel (PCP) designed in accordance with Broward County standards.
3. A Broward County standard Remote Telemetry Unit (RTU) was provided as part of our design.
4. Electrical design associated with providing a portable standby generator for each lift station.
5. Coordination with the Florida Power & Light (FPL) as required to establish electrical service for the proposed facilities.



Existing FPL Pole Mounted Transformers



Existing Control Panel & RTU



Lift Station 50M1 Proposed Electrical Plan

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a. (1) FIRM NAME Bailey Engineering Consultants, Inc.	(2) FIRM LOCATION (City and State) 10620 Griffin Road, Suite 202 Cooper City, FL 33328	(3) ROLE Electrical & Instrumentation Services
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ARCHITECT-ENGINEER QUALIFICATIONS		1. SOLICITATION NUMBER <i>(If any)</i> PSEN-18-02	
PART II - GENERAL QUALIFICATIONS <i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>			
2a. FIRM (OR BRANCH OFFICE) NAME Bailey Engineering Consultants, Inc.		3. YEAR ESTABLISHED 1992	
2b. STREET 10620 Griffin Road, Suite 202		4. DUNS NUMBER	
2c. CITY Cooper City		5. OWNERSHIP	
2d. STATE FL		a. TYPE S-Corporation	
2e. ZIP 33328		b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE Stephen E. Bailey, P.E. / President		7. NAME OF FIRM <i>(If block 2a is a branch office)</i>	
6b. TELEPHONE NUMBER 954-448-7930		6c. E-MAIL ADDRESS sbailey@baileystengineering.com	
8a. FORMER FIRM NAME(S) n/a		8b. YR. ESTABLISHED n/a	
8c. DUNS NUMBER n/a			
9. EMPLOYEES BY DISCIPLINE		10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS	
a. Function Code	b. Discipline	c. No. of Employees	
		(1) FIRM	(2) BRANCH
02	Administrative	2	0
08	CADD Technician	2	0
21	Electrical Engineer	2	0
16	Field Supervisor	1	0
			C11
			Community Facilities
			1
			F03
			Fire Protection
			1
			H07
			Highways, Streets, Parking Lots
			1
			L06
			Lighting - Exteriors, Streets,
			2
			P12
			Power Generation, Transmission Dist
			3
			W03
			Water Supply, Treatment & Dist
			3
Total		7	
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work		1. Less than \$100,000.	
b. Non-Federal Work		2. \$100,000 to less than \$250,000	
c. Total		3. \$250,000 to less than \$500,000	
		4. \$500,000 to less than \$1 million	
		5. \$1 million to less than \$2 million	
		6. \$2 million to less than \$5 million	
		7. \$5 million to less than \$10 million	
		8. \$10 million to less than \$25 million	
		9. \$25 million to less than \$50 million	
		10. \$50 million or greater	
12. AUTHORIZED REPRESENTATIVE			
The foregoing is a statement of facts.			
a. SIGNATURE		b. DATE	
		07/16/2018	
c. NAME AND TITLE			
Stephen E. Bailey, P.E., President			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM

15. FIRM NAME AND LOCATION (City and State)

MUEngineers, Inc., Oakland Park, Florida

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
Masters of Engineering: Dipl. Ing. (Univ.) Technical University of Munich, Germany 1999 Master of Business: MBA Business School of Edinburgh, Britain, 2004	Registered Professional Engineer: Florida: PE 63860, West Virginia: PE 20193 Special Inspector/Threshold Buildings: Florida: 7027309

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

American Society of Civil Engineers (ASCE) American Institute of Steel Construction (AISC) American Concrete Institute (ACI) Post Tension Institute (PTI)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Kelsey Park-Bathroom Renovations Lake Park, FL	2017	2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
a. Structural design of a new restroom facility building for the City of Lake Park. The building, a total of 2,900sf was comprised of male and female restrooms, as well as a separate storage room and a plumbing chase separating each respective bathroom side.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Nova Southeastern University-Ball fields Davie, Florida	PROFESSIONAL SERVICES	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. Structural design of two new dugout block buildings with concrete roofs and foundation system for two new buildings. Wind load calculations and structural design of batting cages. Design of foundation slab, ramps and stairs for new bleachers, foundations and posts for netting between fields and back stops at each field.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Mills Pond Park-Observation Deck Fort Lauderdale, FL	PROFESSIONAL SERVICES	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. Structural design of an elevated wood observation deck and all construction administration services.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Broward County Continuing Contract Various, Broward County	PROFESSIONAL SERVICES	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. Structural consulting engineering services for various projects around Broward County. Including a Monument sign at the Hollywood Young Art Museum, Markham Park remodel of Shelter 5, and renovation of Treetops Park North restroom.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Quigley Park Tennis Center Parkland, Florida	PROFESSIONAL SERVICES	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	
e. Structural design a free standing 10'0" tall 32'0" wide tennis practice walls, as well as a design of a concrete slab for a new 60'0" x 120'0" tennis court.		

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E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Ricardo Madriz, P.E., LEED AP	13. ROLE IN THIS CONTRACT Project Manager/Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 14	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)

MUEngineers, Inc., Oakland Park, Florida

16. EDUCATION (Degree and Specialization) Masters of Engineering: McGill University, Canada, 2004 Bachelors in Civil Engineering: McGill University, Canada 2002	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Registered Professional Engineer: Florida: PE 68444
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

American Society of Civil Engineers (ASCE)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Kelsey Park-Bathroom Renovations Lake Park, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structural design of a new restroom facility building for the City of Lake Park. The building, a total of 2,900sf was comprised of male and female restrooms, as well as a separate storage room and a plumbing chase separating each respective bathroom side.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) Sunny Lakes-Observation Deck Davie, Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structural engineering services related to the replacement of an wood observation deck in the park. Provided details and engineering for girders to wood piles, wood joists and connections and post bracing details.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) Broward County Continuing Contract Various, Broward County	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structural consulting engineering services for various projects around Broward County. Including a Monument sign at the Hollywood Young Art Museum, Markham Park remodel of Shelter 5, and renovation of Treetops Park North restroom.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED PROFESSIONAL SERVICES	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED PROFESSIONAL SERVICES	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

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**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)	22. YEAR COMPLETED
Kelsey Park-Bathroom Renovations Lake Park, FL	PROFESSIONAL SERVICES 2017 CONSTRUCTION (If applicable) 2017

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
CPZ Architects	Chris Zimmerman (Architect)	954-792-8525

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

Structural design of a new restroom facility building for the City of Lake Park. The building, a total of 2,900sf was comprised of male and female restrooms, as well as a separate storage room and a plumbing chase separating each respective bathroom sides. The project was awarded on October 21, 2015 and our specific role was completed specific role and project construction was completed in the summer 2017. The budget for our portion of the project was \$2500.00.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME MUEngineers, Inc.	(2) FIRM LOCATION (City and State) Oakland Park, Florida	(3) ROLE Structural consulting engineers
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

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**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

2

21. TITLE AND LOCATION (City and State)

Nova Southeastern University-Ball fields
Davie, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2017

CONSTRUCTION (If applicable)
N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

CPZ Architects

b. POINT OF CONTACT NAME

Chris Zimmerman (Architect)

c. POINT OF CONTACT TELEPHONE NUMBER

954-792-8525

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

Structural design of two new dugout block buildings with concrete roofs and foundation system for two new buildings. Wind load calculations and structural design of batting cages. Design of foundation slab, ramps and stairs for new bleachers, foundations and posts for netting between fields and back stops at each field.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME MUEngineers, Inc.	(2) FIRM LOCATION (City and State) Oakland Park, Florida	(3) ROLE Structural consulting engineers
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

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**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S
QUALIFICATIONS FOR THIS CONTRACT**

*(Present as many projects as requested by the agency, or 10 projects, if not specified.
Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY
NUMBER

3

21. TITLE AND LOCATION (City and State)

Mills Pond Park-Observation Deck
Fort Lauderdale, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2016

CONSTRUCTION (If applicable)
2017

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Craven Thompson & Associates

b. POINT OF CONTACT NAME

Pat Gibney

c. POINT OF CONTACT TELEPHONE NUMBER

954-739-6400

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

Structural design of an elevated 10' x 10' wood observation deck and all construction administration services.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME MUEngineers, Inc.	(2) FIRM LOCATION (City and State) Oakland Park, Florida	(3) ROLE Structural consulting engineers
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

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**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

4

21. TITLE AND LOCATION (City and State) Broward County Continuing Contract Various, Broward County, Florida	22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
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23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER CPZ Architects	b. POINT OF CONTACT NAME Chris Zimmerman, Architect	c. POINT OF CONTACT TELEPHONE NUMBER 954-792-8525
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

MUEngineers, Inc. was a member of the team for this continuing contract with Broward County RFP, as a sub-consultant. This RFP was award in May 2016 and the specifics of this project are still being determined with some projects in the beginning phases of design. These projects include a monument sign structural design for Young Art Museum, bathroom renovation at Treetops Park, and Shelter 5 renovation at Markham Park.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME MUEngineers, Inc.	(2) FIRM LOCATION (City and State) Oakland Park, Florida	(3) ROLE Structural consulting engineers
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

5

21. TITLE AND LOCATION (City and State)

Quigley Park Tennis Center
Parkland, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2016

CONSTRUCTION (If applicable)
2016

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Keith & Associates, Inc.

b. POINT OF CONTACT NAME

James Thiele

c. POINT OF CONTACT TELEPHONE NUMBER

954-788-3400

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

Structural design a free standing 10'0" tall 32'0" wide tennis practice walls, as well as a design of a concrete slab for a new 60'0" x 120'0" tennis court. The courts were completed by fall 2016.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME MUEngineers, Inc.	(2) FIRM LOCATION (City and State) Oakland Park, Florida	(3) ROLE Structural consulting engineers
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

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**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

6

21. TITLE AND LOCATION (City and State)

Sunny Lakes-Observation Deck
Davie, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2017

CONSTRUCTION (If applicable)
N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

CPZ Architects, Inc.

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)*

Structural review of the architectural plans and details to determine if the proposed structural design meets or exceed the current FBC code and correction details to bring up to code and replace decaying design elements, including girders, joists and connections.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME MUEngineers, Inc.	(2) FIRM LOCATION (City and State) Oakland Park, Florida	(3) ROLE Structural consulting engineers
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

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H. ADDITIONAL INFORMATION

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

As structural engineers we not only provide the backbone and strength of quality designs, but we help bring vision to reality. At MUEngineers, Inc., we practice innovation as a problem-solving tool and think outside of the box. We look beyond the obvious to obtain the approach best suited to each project. By using the latest advances in technology, our expertise and engineering tools, we deliver solutions for projects of all types, sizes and levels of complexity.

MUEngineers, Inc. is a full service, dynamic structural engineering and inspection firm. We have a sound understanding of all types of building processes and provide services for commercial, industrial, legal, and residential clients for any type and size of project. Whether we are designing a one floor, an eight floor or a thirty-floor building, it is important for us to select the structural system which best suits the project, while keeping in mind the project budget, constructability, and local construction techniques and methods.

Our integrated approach to engineering is process driven, utilizing an open office and collaborative design environment to provide a well-coordinated design within the shortest possible timeline. We are committed to creating the best solutions for every project, while maintaining client satisfaction. This approach has accounted for over 90% of our work stemming from either "repeat" or "referral" clients.

We offer a full range of structural engineering services, including: structural design, specialty engineering, structural assessments, threshold, special and 40-year inspections, restoration and peer reviews and feasibility studies. Our professional experience covers a comprehensive array of projects including: multi-family and condominium residences, custom single-family residences, car dealerships, hotels, parking garages, pedestrian bridges, fire stations, public safety complexes, police stations, public parks, lifeguard towers, sea wall restoration and repair, retail structures, medical facilities, office buildings, courthouses, etc.

As a company, we strive to be the industry leaders in terms of our design approach. We use the latest editions of the structural design and analysis software, as well as building information modeling (BIM) software to deliver a high quality set of construction documents. Our collaborative, solutions-oriented approach combined with our expansive experience and creativity provide for competent, practical, economical and sustainable outcomes.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

Marcus Unterweger FL P.E. # 63860

32. DATE

07/16/2018

33. NAME AND TITLE

Marcus Unterweger, President

Digitally signed by Marcus Unterweger FL P.E. # 63860
DN: C=US, E=unterweger@MUEngineers.com, OU=Oakland Park, O="MUEngineers, Inc.", CN="Marcus Unterweger FL P.E. # 63860"
Date: 2018.07.16 10:52:57-04'00"

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

18-02

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME MUEngineers, Inc.			3. YEAR ESTABLISHED 2010	4. UNIQUE ENTITY IDENTIFIER +
2b. STREET 3440 NE 12th Avenue			5. OWNERSHIP	
2c. CITY Oakland Park		2d. STATE FL	2e. ZIP CODE 33334	a. TYPE S-Corporation
6a. POINT OF CONTACT NAME AND TITLE Marcus Unterweger, President			b. SMALL BUSINESS STATUS	
6b. TELEPHONE NUMBER 954-324-4730		6c. E-MAIL ADDRESS munterweger@muengineers.com		7. NAME OF FIRM (If Block 2a is a Branch Office)
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	1		B01	Barracks; Dormitories	1+
08	CADD Technician	3		A06	Airports, Terminals + Hanger	1+
57	Structural Engineer	5		C06	Churches, Chapels	1+
15	Structural Inspector	1		C07	Coast Engineering	1+
				C10	Commercial Buildings	2+
				C11	Community Facilities	1+
				D07	Dining Halls, Restaurants	1+
				E02	Educational Facilities	1+
				G01	Garages, Parking	1+
				H01	Harbors, Cruise Terminals	1+
				H06	High Rise	1+
				H09	Hospital + Medical	1+
				H10	Hotels, Motels	2+
				H11	Housing, Residential, Condo	2+
				O01	Office Buildings	1+
				R04	Recreation Facilities	1+
				S09	Structural Design	3+
				W03	Water Treatment, Supply	1+
	Other Employees	0				
	Total					

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	1+
b. Non-Federal Work	3+
c. Total Work	4+

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000
2. \$100,000 to less than \$250,000
3. \$250,000 to less than \$500,000
4. \$500,000 to less than \$1 million
5. \$1 million to less than \$2 million
6. \$2 million to less than \$5 million
7. \$5 million to less than \$10 million
8. \$10 million to less than \$25 million
9. \$25 million to less than \$50 million
10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

Marcus Unterweger FL P.E. # 63860

b. DATE

07/16/2018

c. NAME AND TITLE

Marcus Unterweger, President

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Matthew LaLuzerne, PSM Vice President	13. ROLE IN THIS CONTRACT Project Director	14. YEARS EXPERIENCE	
		a. TOTAL 12	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)
GPI Geospatial, Inc., Orlando, FL16. EDUCATION (DEGREE AND SPECIALIZATION)
University of Florida, Geomatics, 2005
Rollins College, MBA, 201117. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Professional Surveyor & Mapper, FL, #6766

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. LaLuzerne is the Operations Manager for GPI, who oversees the day-to-day operations of the photogrammetric surveying and mapping, Aerial and Mobile LiDAR, and Orthophotography projects. He has an extensive background with a variety of survey services, including mobile and aerial LiDAR, low and mid altitude photogrammetric mapping, traditional ground survey, and utility surveying (ground penetrating radar, vacuum excavation, and utility designating). Software experience includes MicroStation, TopoDOT, CAICE, GEOPAK, AutoCAD, and a variety of survey processing software.

Mr. LaLuzerne is experienced in scheduling equipment/field resources and office associates, meeting schedule deadlines and budgetary constraints, and finding innovative techniques to increase efficiency and quality control processes.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) City of Hollywood Waterline Replacement Program Mobile LiDAR Collection, Hollywood, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable) N/A
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Production Manager: GPI utilized a Mobile LiDAR approach for 17 miles of roadway project in Hollywood, Florida. Deliverables included calibrated LiDAR point cloud tiled in LAS format, DTM and planimetric topographic survey files in Civil 3D format, digital geo-referenced color imagery and field survey /trajectory accuracy report. Fee: \$28K	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) PD&E Study for Widening of the Sawgrass Expressway (SR 869) from South of Sunrise Boulevard to South of US-441/SR 7, Broward County, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: GPI utilized a mid-altitude helicopter photography (MAMP) and Mobile LiDAR approach to provide a design survey for the 19.2 miles corridor along the Sawgrass mainline, ramps and side streets. GPI was responsible for merging the field survey data from obscured areas to the design survey database. Deliverables included raster imagery; a calibrated LiDAR point cloud tiled in LAS format; DTM and planimetric topographic survey files in 3-D MicroStation (SS3 compliant) format; pavement cross slope, bridge clearance and guard rail clearance, field survey /trajectory accuracy reports, all in accordance with the latest FDOT Terrestrial Mobile LiDAR Guidelines. Fee \$885K	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) SR 674/Sun City Center from E of Commercial Center Dr to E of US 301/SR 43, FPID No. 436495-1, Hillsborough County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Production Manager. This task order involved multiple field survey tasks including aerial photogrammetric target placement, horizontal and vertical control densification, establishment of target coordinate values, alignment retracement, control mapping, check cross sections, and classification point verifications, photogrammetric data acquisition and processing for final design. Planimetric mapping was performed from the low altitude helicopter aerial imagery. A final DTM and topographic file were merged with the traditional ground survey information of the obscured information. Fee: \$119,774	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) SR 52 Phase 1 from McKendree Rd. to US 301 Phases and SR 52 Phase 2 from E of McKendree Rd to E of King Rd Phase, Pasco County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) N/A
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: This task order involved multiple field survey tasks including aerial and mobile LiDAR target placement, primary horizontal and vertical control densification, drainage surveys, establishment of target coordinate values, check cross sections, obscured topographic surveying, classification point verifications, aerial LiDAR and mobile LiDAR data acquisition and processing, digital aerial image acquisition and processing, alignment retracement, and control mapping. Topographic features were extracted from the point cloud and aerial imagery information to create a complete 3-D topographic map of the project corridor. A final DTM and topographic file were merged with the traditional ground survey information of the obscured information. Fee: \$307K	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

<p>12. NAME Iarelis Diaz-Hall, PSM</p> <p>15. FIRM NAME AND LOCATION (City and State) GPI Geospatial, Inc., Orlando, FL</p>	<p>13. ROLE IN THIS CONTRACT Project Manager</p>	<p>14. YEARS EXPERIENCE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">a. TOTAL 17</td> <td style="width: 50%;">b. WITH CURRENT FIRM 3</td> </tr> </table>	a. TOTAL 17	b. WITH CURRENT FIRM 3
a. TOTAL 17	b. WITH CURRENT FIRM 3			
<p>16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Land Surveying and Topography, University of Puerto Rico, 1999 Master of Engineering Management, Polytechnic University of Puerto Rico, 2009</p>				
<p>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor & Mapper, FL - 6631</p>				
<p>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Ms. Hall has significant experience in almost all aspects of survey operations on transportation, water management, and airport projects. She is experienced in Mobile LiDAR, boundary, topographic, GPS, rights-of-way, route, design, geodetic control, and utility surveying. She maintains an in-depth understanding of advanced technologies that will be vital for this project's success.</p>				
19. RELEVANT PROJECTS				
a.	<p>(1) TITLE AND LOCATION (City and State) Tampa Bay Water Authority Digital Imagery and Remote Sensing Project, Tampa Bay Area, FL</p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES Current</td> <td style="width: 50%;">CONSTRUCTION (If Applicable) N/A</td> </tr> </table>	PROFESSIONAL SERVICES Current	CONSTRUCTION (If Applicable) N/A
	PROFESSIONAL SERVICES Current	CONSTRUCTION (If Applicable) N/A		
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: This project consisted of 1563 square miles including the City of Tampa. GPI utilized our UltraCam Eagle to secure new digital photography in both the Spring and Fall of each year. GPI provided 8-bit (24 bit) FCIR pan-sharpened 18-inch pixel ortho photo mosaic in ECW format and an 8-bit (24 bit) RGB color pan-sharpened 18-inch pixel ortho photo mosaic in ECW format. All image data was used for wetland condition assessment. Fee: \$581K</p>	<p><input checked="" type="checkbox"/> Check if project performed with current firm</p>			
b.	<p>(1) TITLE AND LOCATION (City and State) City of Hollywood Waterline Replacement Program Mobile LiDAR Collection, Hollywood, Florida</p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2015</td> <td style="width: 50%;">CONSTRUCTION (If Applicable) N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable) N/A
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable) N/A		
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Assistant Project and QA/QC Manager: GPI utilized a Mobile LiDAR approach for 17 miles of roadway project in Hollywood, Florida. Deliverables included calibrated LiDAR point cloud tiled in LAS format, DTM and planimetric topographic survey files in Civil 3D format, digital geo-referenced color imagery and field survey /trajectory accuracy report. Fee: \$28K</p>	<p><input checked="" type="checkbox"/> Check if project performed with current firm</p>			
c.	<p>(1) TITLE AND LOCATION (City and State) Village of Wellington FEMA Floodplain Mapping Project Village of Wellington, FL</p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2014</td> <td style="width: 50%;">CONSTRUCTION (If Applicable) N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable) N/A
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable) N/A		
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE QA/QC Manager: GPI acquired LiDAR data of the 48 square mile area of interest using our LiDAR sensor on a fixed-wing platform. GPI created a FEMA compliant classified and rectified point cloud dataset of the Village of Wellington, Florida in order to provide an updated elevation contour map to be used by FEMA Flood Insurance Rate Maps. GPI delivered one half foot contours for the floodplain maps. Fee: \$52K</p>	<p><input checked="" type="checkbox"/> Check if project performed with current firm</p>			
d.	<p>(1) TITLE AND LOCATION (City and State) New York City Mobile LiDAR Sign Data Collection, New York</p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2015</td> <td style="width: 50%;">CONSTRUCTION (If Applicable) N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable) N/A
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable) N/A		
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE QA/QC Manager: This project consisted of the collection of roughly 600 centerline miles of limited access highways, ramps and bridges using Mobile LiDAR and high-resolution cameras to locate approximately 20,000 signs for the New York City DOT. The signs were geo-referenced and attributed with predefined criteria to assist the City's efforts to manage these assets. The final delivery consisted of an ESRI Geodatabase comprised of the positional coordinates of the signs and the required attributes. Fee: \$200K</p>	<p><input checked="" type="checkbox"/> Check if project performed with current firm</p>			
e.	<p>(1) TITLE AND LOCATION (City and State) 2014 ITD Digital Orthophotography Resolution R-762-11, Miami, FL</p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2014</td> <td style="width: 50%;"></td> </tr> </table>	PROFESSIONAL SERVICES 2014	
	PROFESSIONAL SERVICES 2014			
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. GPI acquired new controlled natural color orthophotos for a 1,612 square mile area of Miami's the central business district. The resulting dataset included 1,048 square miles of orthophotos outside the UDB for a 1-foot per pixel at a 1"=200' scale; and 564 square miles inside the UDB for a 0.25-foot per pixel at a 1"=50' scale. GPI delivered 3-inch digital ortho imagery in which Downtown Miami's tall buildings showed straight or nearly straight within the project budget solving ITD's major issue of building lean. Fee: \$408K</p>	<p><input checked="" type="checkbox"/> Check if project performed with current firm</p>			

**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)
**Lake Worth Infrastructure 2020 Master Plan, Year 1, Lake
Worth, Florida**
22. YEAR COMPLETED
**PROFESSIONAL SERVICES
2014**
**CONSTRUCTION (if Applicable)
N/A**
23. PROJECT OWNER'S INFORMATION
a. PROJECT OWNER
City of Lake Worth / Craven Thompson
& Assoc.

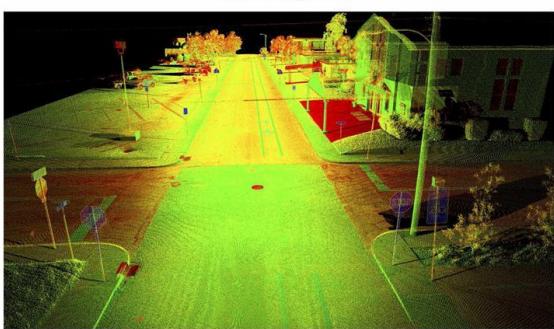
b. POINT OF CONTACT NAME
Monica Shaner, PE

c. POINT OF CONTACT TELEPHONE NUMBER
561-586-1798

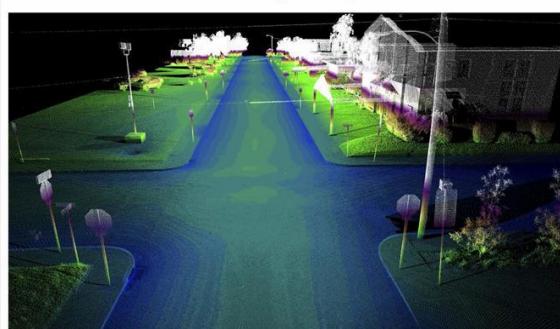
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

GPI and CTA teamed together to provide Mobile LiDAR surveying and civil engineering services of approximately 3.3 miles of roadway for Year 1's 2020 Master Plan Contract with the City. The projects include the rehabilitation of right-of-way infrastructure including roads, alleys, curb, sidewalk hardscape, drainage, and potable water. The areas scanned include the following: 15th Ave N: From Railroad to N J St.; 14th Ave N; From US 1 to N J St.; N J St: From 13th Ave North to 16th Ave North.; 11th Ave N: N H St. to N M St.; N K St.: 2nd Ave North to 9th Ave North; and N M St.; 2nd Ave North to 19th Ave North. Deliverables included calibrated LiDAR point cloud tiled in LAS format, DTM and planimetric topographic survey files in Civil 3D format, digital geo-referenced color imagery and field survey /trajectory accuracy report in accordance with the latest FDOT Terrestrial Mobile LiDAR Guidelines. GPI Fee: \$35K

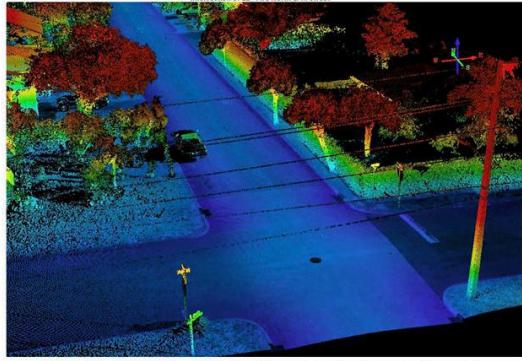
3D Laser showing Intensity



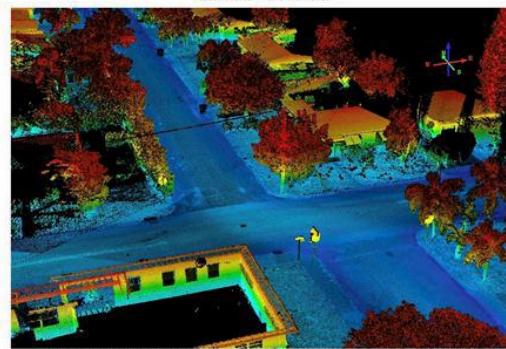
3D Laser showing Elevations by color



Lake Worth Road Projects - 3D Laser Scans

Intersection of 12th Ave North & M Street

Lake Worth Road Projects - 3D Laser Scans

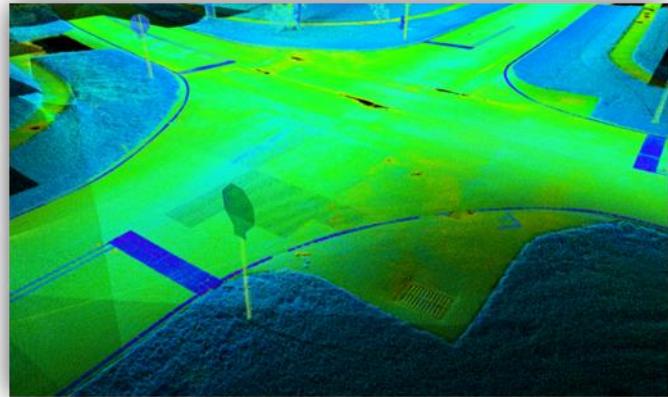
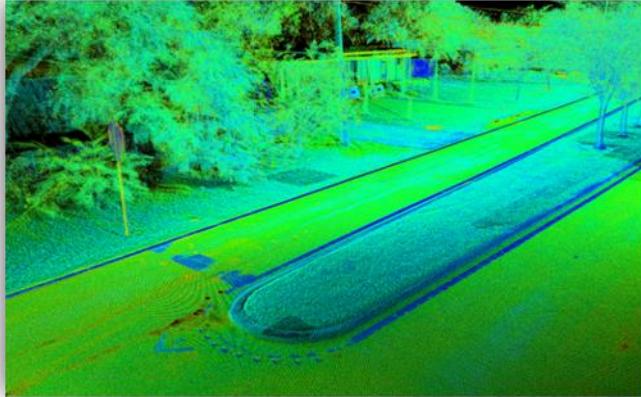
Intersection of 18th Ave. North & M Street
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	GPI Geospatial, Inc.	Orlando, Florida	Photogrammetric Consultant, Subconsultant
b.	Craven Thompson & Associates, Inc.	Ft Lauderdale, Florida	Survey Services Consultant, Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 2
21. TITLE AND LOCATION (City and State) Plantation Gardens Historical & Phase II B Areas Watermain Rehabilitation, Plantation, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2014
		CONSTRUCTION (if Applicable) N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Plantation Gardens / Craven Thompson & Assoc.	b. POINT OF CONTACT NAME Mr. Charles Flynn	c. POINT OF CONTACT TELEPHONE NUMBER (954) 797-2293

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

GPI provided Mobile LiDAR data and imagery of approximately 9.8 miles of roadway located in the City of Plantation, Florida. The areas scanned included 5.9 centerlines for the Historic Area from Holly Lane to Palm Tree Road and 3.9 centerline miles of Area B from Rose Terrace to Pine Terrace. Deliverables included calibrated LiDAR point cloud tiled in LAS format, DTM and planimetric topographic survey files in Civil 3D format, digital geo-referenced color imagery and field survey /trajectory accuracy report. Fee: \$19K

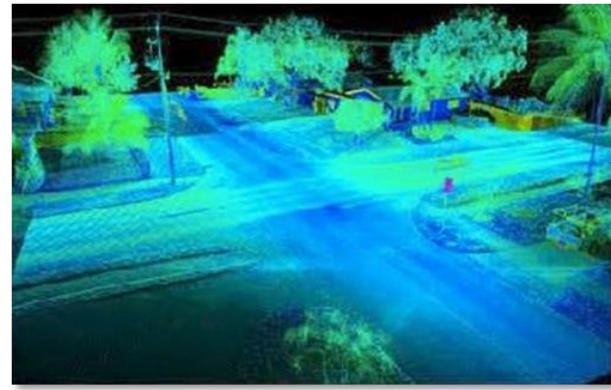
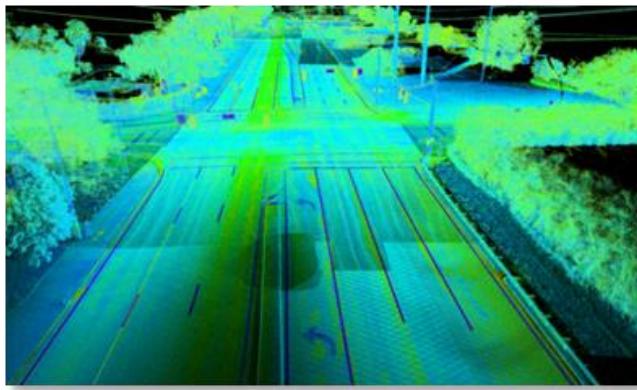


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME GPI Geospatial, Inc.	(2) FIRM LOCATION (City and State) Orlando, Florida
		(3) ROLE Photogrammetric Consultant, Subconsultant
b.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) Ft Lauderdale, Florida
		(3) ROLE Survey Services Consultant, Prime
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 <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 3
21. TITLE AND LOCATION (City and State) City of Hollywood Waterline Replacement Program Mobile LiDAR Collection, Hollywood, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2015
		CONSTRUCTION (if Applicable) N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Hollywood / Craven Thompson & Assoc.	b. POINT OF CONTACT NAME Mr. Clece Aurelius, PE	c. POINT OF CONTACT TELEPHONE NUMBER (954)-921-3930

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

GPI and Craven Thompson teamed together to provide Mobile LiDAR data and imagery of approximately 17 miles of roadway located in the city of Lake Worth, Florida. Deliverables included calibrated LiDAR point cloud tiled in LAS format, DTM and planimetric topographic survey files in Civil 3D format, digital geo-referenced color imagery and field survey /trajectory accuracy report. Fee: \$28K



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME GPI Geospatial, Inc.	(2) FIRM LOCATION (City and State) Orlando, Florida	(3) ROLE Photogrammetric Consultant, Subconsultant
b.	(1) FIRM NAME Craven Thompson & Associates, Inc.	(2) FIRM LOCATION (City and State) Ft Lauderdale, Florida	(3) ROLE Survey Services Consultant, Prime
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

ARCHITECT – ENGINEER QUALIFICATIONS

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

ARCHITECT – ENGINEER QUALIFICATIONS			PART II – GENERAL QUALIFICATIONS	
<p><i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i></p>				
2a. FIRM (OR BRANCH OFFICE) NAME GPI Geospatial, Inc.			3. YEAR ESTABLISHED	4. DUNS NUMBER 788388478
2b. STREET 423 South Keller Road, Suite 300			5. OWNERSHIP	
2c. CITY Orlando		2d. STATE FL	2e. ZIP CODE 32810	a. TYPE Corporation
6a. POINT OF CONTACT NAME AND TITLE Patrick Senne, PSM, Vice President				
6b. TELEPHONE NUMBER 407.851.7880		6c. E-MAIL ADDRESS psenne@aca-net.com		
8a. FORMER FIRM NAME(S) <i>(If any)</i> Aerial Cartographics of America, Inc.				
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (\$ millions)		8b. YR. ESTABLISHED December 2003		
		8c. DUNS NUMBER		
PROFESSIONAL SERVICES REVENUE INDEX NUMBER				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

	1. Less than \$100,000	6. \$2 million to less than \$5 million
a. Federal Work	1	7. \$5 million to less than \$10 million
b. Non-Federal Work	7	8. \$10 million to less than \$25 million
c. Total Work	7	9. \$25 million to less than \$50 million
	5. \$1 million to less than \$2 million	10. \$50 million or greater

2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE

7/20/2018

Page 1 of 1

c. NAME AND TITLE


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

12. NAME Wayne Webb, PE	13. ROLE IN THIS CONTRACT Contract & Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 30	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION (City and State) Absolute Civil Engineering Services, LLC, Davie, FL		16. EDUCATION (DEGREE AND SPECIALIZATION) MPH Research Studies; B.S. / Civil Engineering	
		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer / FL	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Wayne Webb serves as a vice president and principal engineer of ACES. Since the inception of his career 30 years ago, he has spent the last decade successfully managing a variety of geotechnical, environmental, and structural engineering and testing contracts in Florida. His relevant experience includes providing civil engineering, building envelope evaluations, infrastructure evaluations, roof testing and design, property condition assessments, forensic testing and evaluations, and engineering consulting services. Mr. Webb has also performed a variety of environmental engineering services including Phase I and Phase II environmental site assessments (ESA), contamination assessment reports, tank closure reports, remedial action plans, compliance audits, and monitoring only plans (MOP). He is a recognized leader in the assessment of water-entry problems for residential and commercial buildings. Mr. Webb has performed hundreds of inspections for builders as well as homeowners to determine whether moisture entry has occurred, or to what extent moisture entry has affected the building. Professional Affiliations: FES; ACI; ASCE; Deep Foundation Institute (DFI). Awarded "Engineer of the Year 2014" by Broward County Building Officials Association			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Sunview Park ADA Ramp Design, Broward County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION (If Applicable) N/A	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager/Engineer. provided Geotechnical Investigation, Civil Design, Construction Materials Testing, Special Inspections and Construction Administration Services on the design and construction of a new ADA Ramp located at Sunview Park. Fee \$25K	<input checked="" type="checkbox"/> Check if project performed with current firm	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) N/A	
c.	(1) TITLE AND LOCATION (City and State) Heritage Park, Broward County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) N/A	
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer. Provided performing Structural Design, Permitting and Construction Administration Services for the two (2) lakeside docks. Fee \$14K	<input checked="" type="checkbox"/> Check if project performed with current firm	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) N/A	
e.	(1) TITLE AND LOCATION (City and State) Hollywood North Beach, Broward County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Contract Manager and Project Engineer. Structural Design, Permitting and Construction Administration Services for five (5) walkway bridges. Fee \$25K.	<input checked="" type="checkbox"/> Check if project performed with current firm	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable) N/A	
	(1) TITLE AND LOCATION (City and State) Soccer City, Miami, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Contract Manager and Project Engineer. Performed Gas Management System Design Services on four (4) small soccer fields, a club house and parking facilities. ACES provided a gas management system to be incorporated as part of the building construction. ACES scope of work included the Review of initial Proposed Soccer City Miami Layout submitted to RER, Review of revised Soccer City Miami drawings with proposed Gas Management System design for the proposed building in accordance with our recommendations, Review of Provide Engineering Calculations, Reviewed previous Geotechnical Engineering Report for the site, Review Pollution Remediation Section (PRS) of the Department of Regulatory and Economic Resources (RER). Total Contract Value: \$6,000.00	<input checked="" type="checkbox"/> Check if project performed with current firm	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) N/A	
	(1) TITLE AND LOCATION (City and State) Tamiami Park, Miami, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer. Performed Civil Design and Geotechnical Investigation Services on a new baseball field and parking lot modifications in Miami, FL. ACES prepared Construction Drawings for paving, grading and drainage. The construction documents included signage and pavement markings. The drainage system was designed in accordance with Miami-Dade County and WASD requirements. The design included drainage analysis and report to comply with regulatory agency requirements. Contract Value: \$16K.	<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

21. TITLE AND LOCATION (City and State) <u>Sunview Park ADA Ramp Design, Inspection and Testing Project,</u> <u>Broward County, FL</u>	22. YEAR COMPLETED PROFESSIONAL SERVICES 2018	2022. CONSTRUCTION (If applicable) N/A
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23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Broward County	b. POINT OF CONTACT NAME Michael Halupke	c. POINT OF CONTACT TELEPHONE NUMBER 954-577-4637
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

ACES provided Geotechnical Investigation, Structural Design, Construction Materials Testing, Special Inspections and Construction Administration Services on the design and construction of a new ADA Ramp located at Sunview Park. Fee \$25K

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Absolute Civil Engineering Solutions, LLC	(2) FIRM LOCATION (City and State) 4121 SW 47 th Avenue, Suite 1318, Davie, FL 33314	(3) ROLE Prime
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

STANDARD FORM 330 (REV. 8/2016) PAGE 6

STANDARD FORM 330 (REV. 8/2016) PAGE 3

ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*

Solicitation RE-18-10

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME Absolute Civil Engineering Solutions, LLC			3. YEAR ESTABLISHED 2011	4. DUNS NUMBER
2b. STREET 4121 SW 48th Avenue, Suite 1319			5. OWNERSHIP	
2c. CITY Davie		2d. STATE FL	2e. ZIP CODE 33314	a. TYPE Limited Liability Corporation
6a. POINT OF CONTACT NAME AND TITLE Wayne Webb, P.E., Vice President			b. SMALL BUSINESS STATUS M/WBE, CBE, SBE	
6b. TELEPHONE NUMBER (954) 232-5680	6c. E-MAIL ADDRESS wwebb@absoluteces.com			7. NAME OF FIRM (<i>If block 2a is a branch office</i>)
8a. FORMER FIRM NAME(S) (<i>If any</i>)			8b. YR. ESTABLISHED	8c. DUNS NUMBER

Total 19

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work

b. Non-Federal Work

b. Net Work

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000.	6. \$2 million to less than \$5 million
2. \$100, 00 to less than \$250,000	7. \$5 million to less than \$10 million
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
5. \$1 million to less than \$2 million	10. \$50 million or greater

13. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a SIGNATURE

Wayne Webb.

b. DATE

c. NAME AND TITLE

Wayne Webb, P.E., Vice President

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)					
12. NAME Andres Garcia		13. ROLE IN THIS CONTRACT Utility Location Project Manager		14. YEARS EXPERIENCE	
				a. TOTAL 21	b. WITH CURRENT FIRM 21
15. FIRM NAME AND LOCATION (City and State) InfraMap Corp., West Palm Beach, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) Palm Beach Community College Currently Seeking Associates Degree in Science Training: IMC Training Program for Utility Locating & Designating Certification / Instructor ATSSA, Traffic Control Supervisor Certification Confined Space Entry Training Program		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Garcia has performed utility locating assignments for InfraMap Corp. in Florida, Virginia, Maryland, Georgia and Alabama. He currently is a Senior Utility Location Manager and is proficient with utility designating, performing test holes, and utility CAD. Mr. Garcia's responsibilities include: Utility Designation, Radar Tomography and Test Hole project management, attending utility scoping meetings, permitting, records research, traffic control supervision, field data collection and Quality Control review. His duties also include vacuum excavation equipment maintenance as well as FDOT Standards Compliance. Mr. Garcia has excelled as Survey Party Chief with experience in total station survey and data collector knowledge (electronic field book, TDS functions, and 3 wire bench runs on several designating and utility locating projects).					
19. RELEVANT PROJECTS					
	(1) TITLE AND LOCATION (City and State) Florida Department of Transportation, District 6 Subsurface Utility Designating and Locating (Test Hole) Service Contract		(2) YEAR COMPLETED PROFESSIONAL SERVICES On call through 2018 CONSTRUCTION (If Applicable)		
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if project performed with current firm <input checked="" type="checkbox"/> X		
	FDOT District 6 Biscayne Boulevard, Miami, FL: This project included approximately 232 Test Holes along Biscayne Boulevard, from NE 15 Street to NE 35 Terrace and required supervision of multiple crews to complete the project at our client's requested schedule. Mr. Garcia provides detailed communication with FDOT personnel throughout the project for quality assurance.				
	(1) TITLE AND LOCATION (City and State) Florida Department of Transportation, District 6 Subsurface Utility Designating and Locating (Test Hole) Service Contract		(2) YEAR COMPLETED PROFESSIONAL SERVICES On call through 2018 CONSTRUCTION (If Applicable)		
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if project performed with current firm <input checked="" type="checkbox"/> X		
	FDOT District 6 Designating SR826 / SR 836 Interchange, Miami, FL: This designating project entailed proposed design of six intersections. Mr. Garcia supervised the designating as well as 53 test holes that followed in order to gather all potential conflict data. His detailed investigation was noted on our submittal. Quality control also performed by Mr. Garcia.				
	(1) TITLE AND LOCATION (City and State) Florida Department of Transportation, District 6 Subsurface Utility Designating and Locating (Test Hole) Service Contract		(2) YEAR COMPLETED PROFESSIONAL SERVICES On call through 2018 CONSTRUCTION (If Applicable)		
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if project performed with current firm <input checked="" type="checkbox"/> X		
	FDOT District 6 Various Locations Florida Keys Drainage, FL: Mr. Garcia supervised the location of utility conflicts for proposed drainage along US1 in Grassy Key and Plantation Key. Our equipment allows him to set up the test holes to be performed days prior to the initial project commencement. Mr. Garcia adds in depth notes to the test hole inventory report in addition to the 53 test hole forms of every investigation revealed along with thorough quality control.		STANDARD FORM 330 (6/2004) PAGE 2		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 1																
21. TITLE AND LOCATION (City and State) Open-End District Contract for Subsurface Utility Designating and Locating Florida Department of Transportation - District 4		22. YEAR COMPLETED PROFESSIONAL SERVICES On Call Through 2017 CONSTRUCTION (if Applicable)																	
23. PROJECT OWNER'S INFORMATION <table border="1"> <tr> <td>a. PROJECT OWNER Florida Department of Transportation District 4</td> <td>b. POINT OF CONTACT NAME Mr. Jeff Smith</td> <td colspan="2">c. POINT OF CONTACT TELEPHONE NUMBER (954) 777-4560</td> </tr> </table>				a. PROJECT OWNER Florida Department of Transportation District 4	b. POINT OF CONTACT NAME Mr. Jeff Smith	c. POINT OF CONTACT TELEPHONE NUMBER (954) 777-4560													
a. PROJECT OWNER Florida Department of Transportation District 4	b. POINT OF CONTACT NAME Mr. Jeff Smith	c. POINT OF CONTACT TELEPHONE NUMBER (954) 777-4560																	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) <p>Subsurface Utility Engineering Services and Utility Infrastructure Mapping Contract including: Utility Designating, Air/Vacuum Test Holes, Survey, and MicroStation CADD on Highway projects through the state of South Carolina in support of the FDOT's pre-design program through private consultants and in-house design program.</p>																			
<p>Contract Cost: \$1,500,000</p> 																			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT <table border="1"> <tr> <td>a.</td> <td>(1) FIRM NAME InfraMap Corp.</td> <td>(2) FIRM LOCATION (City and State) West Palm Beach, FL</td> <td>(3) ROLE Prime</td> </tr> <tr> <td>b.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(3) ROLE</td> </tr> <tr> <td>c.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(3) ROLE</td> </tr> <tr> <td>d.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(3) ROLE</td> </tr> </table>				a.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Prime	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
a.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Prime																
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																

City of Pembroke Pines

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

2

21. TITLE AND LOCATION (City and State) Open-End District Contract for Subsurface Utility Designating and Locating Florida Department of Transportation - District 6		22. YEAR COMPLETED PROFESSIONAL SERVICES On Call Through 2018	CONSTRUCTION (if Applicable)
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Florida Department of Transportation District 6	b. POINT OF CONTACT NAME Mr. Tony Soto	c. POINT OF CONTACT TELEPHONE NUMBER (305) 470-5232	

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

Subsurface Utility Engineering Services and Utility Infrastructure Mapping Contract including: Utility Designating, Air/Vacuum Test Holes, Survey, and MicroStation CADD on Highway projects through the state of South Carolina in support of the FDOT's pre-design program through private consultants and in-house design program.



Contract Cost: \$3,000,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME InfraMap Corp.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Prime
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

ARCHITECT – ENGINEER QUALIFICATIONS				1. SOLICITATION NUMBER (<i>If any</i>) PSEN-18-02	
PART II – GENERAL QUALIFICATIONS <i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>					
2a. FIRM (OR BRANCH OFFICE) NAME InfraMap Corp.				3. YEAR ESTABLISHED 2001	4. DUNS NUMBER 718-715-6124
2b. STREET 10365 Cedar Lane				5. OWNERSHIP	
2c. CITY Glen Allen		2d. STATE VA	2e. ZIP CODE 23059	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE John Pope Midyette, Vice President Business Development				b. SMALL BUSINESS STATUS Federal Small Business	
6b. TELEPHONE NUMBER 804-550-2937		6c. E-MAIL ADDRESS jmidyette@inframap.net		7. NAME OF FIRM (If block 2a is a branch office)	
8a. FORMER FIRM NAME(S) (<i>If any</i>) Accurate Locating, Inc.				8b. YR. ESTABLISHED 1987	8c. DUNS NUMBER 718-715-6124

9. EMPLOYEES BY DISCIPLINE			10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH	a. Profile Code	b. Experience	c. Revenue Index Number (see below)
02	Administrative	10 6	B02	Bridges	
08	CADD Technician	3 3	C10	Commercial Building; (low rise); Shopping	
12	Civil Engineers	2 1	C15	Construction Management	
15	Construction Inspectors		E02	Educational Facilities; Classrooms	
21	Electrical Engineers		G04	Geographic Information System Services:	
23	Environmental Engineer		H07	Highways; Streets; Airfield Paving; Parking	
24	Environmental Scientist		H09	Hospitals & Medical Facilities	
29	Geographic Information System		H11	Housing (Residential, Multifamily,	
32	Hydraulic Engineer		I01	Industrial Buildings; Manufacturing Plants	
38	Land Surveyor	6 1	I06	Irrigation; Drainage	
39	Landscape Architects		L03	Landscape Architecture	
52	Sanitary Engineers		O01	Office Building; Industrial Parks	
57	Structural Engineers		P06	Planning (Site, Installation and Project)	
60	Transportation Engineers		S04	Sewage Collection, Treatment & Disposal	
62	Water Resources Engineer		S10	Surveying; Platting; Mapping; Flood Plain	
	Air Quality Specialist		S13	Stormwater Handling & Facilities	
	Engineering Technician		T03	Traffic & Transportation Engineering	
	Financial Specialists		T04	Topographic Surveying and Mapping	
	Land Planning/Site Design		W01	Warehouses & Depots	
	Utility Locators	51 10	W02	Water Resources; Hydrology; Ground Water	6
	Total	72 21	other	Subsurface Utility Engineering	
			other	Utility Location, Mapping and Survey	6
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>			PROFESSIONAL SERVICES REVENUE INDEX NUMBER		
a. Federal Work	6	1. Less than \$100,000 2. \$100,000 to less than \$250,000 3. \$250,000 to less than \$500,000 4. \$500,000 to less than \$1 million 5. \$1 million to less than \$2 million		6. \$2 million to less than \$5 million 7. \$5 million to less than \$10 million 8. \$10 million to less than \$25 million 9. \$25 million to less than \$50 million 10. \$50 million or greater	
b. Non-Federal Work	6				
c. Total Work	7				
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.					
a. SIGNATURE					B. DATE July 18, 2018
c. NAME AND TITLE John Pope Midyette, Vice President Business Development					

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

12. NAME Judy Jensen, LEED AP	13. ROLE IN THIS CONTRACT Irrigation Designer	14. YEARS EXPERIENCE a. TOTAL 13	b. WITH CURRENT FIRM 13
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15. FIRM NAME AND LOCATION (City and State)

Masuen Consulting LLC, Mineral Buff, GA

16. EDUCATION (Degree and Specialization) AAS in Architecture Building Technology	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
--	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

CLIA, CGIA, LEED AP

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	92 nd Street Park, Bay Harbour Islands, Florida	2009	<input type="checkbox"/> Check if project performed with current firm
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Irrigation system design for a small community park; utilized turf rotary and soil moisture sensor technology for water conservation and tradition controls.		
b.	Halpatiokee Park, Martin County, Florida	2009	<input type="checkbox"/> Check if project performed with current firm
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design of an irrigation system for a new County Park, including areas planted for naturalization with temporary irrigation.		
c.	Port St. Lucie Botanical Garden, Port St. Lucie, Florida	2007-2008	<input type="checkbox"/> Check if project performed with current firm
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Irrigation system design for a new botanical garden providing a surface water pump system and recharge pump. The control system provided flexibility for future garden 'rooms' to be added as garden is funded/developed. Turf rotary and soil moisture sensor technology utilized for water.		
d.	Headquarters Honda, Lake County, Florida	2008	<input type="checkbox"/> Check if project performed with current firm
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Irrigation System design to accommodate the green space and includes coordination between the cisterns (by others) and the irrigation pump system. This was a LEED project.		
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 1
21. TITLE AND LOCATION (City and State) Broward County Convention Center Broward, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2010 - 2011
		CONSTRUCTION (If applicable) June 2011

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Broward County Convention Center	b. POINT OF CONTACT NAME Mr. Jerry Braud Director of Operations	c. POINT OF CONTACT TELEPHONE NUMBER (954) 759-5958
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The Convention Center is currently completing a "green" renovation of the facility under the USGBC LEED EBOM standard. The landscape and irrigation were completely replaced in this effort. The irrigation system uses a combination of low and mid-volume irrigation equipment, with soil moisture sensors that actively adjust irrigation run times based on soil moisture content. Additionally, Masuen actively manages the system (remotely) on a daily basis to ensure we meet the water conservation goals established through the project. We conducted on site construction observation and bid administration. Provided GPS as-built of the irrigation system.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Masuen Consulting, LLC	(2) FIRM LOCATION (City and State) Oakland Park, Florida	(3) ROLE Irrigation Design and Construction Management
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 <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 2			
21. TITLE AND LOCATION (City and State) Miramar Regional Park Miramar, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2002 - 2008			
23. PROJECT OWNER'S INFORMATION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33.33%; padding: 5px;">a. PROJECT OWNER City of Miramar</td> <td style="width: 33.33%; padding: 5px;">b. POINT OF CONTACT NAME Mr. Luis Lopez, P.E. Director of Engineering Services</td> <td style="width: 33.33%; padding: 5px;">c. POINT OF CONTACT TELEPHONE NUMBER (954) 602-3316</td> </tr> </table>			a. PROJECT OWNER City of Miramar	b. POINT OF CONTACT NAME Mr. Luis Lopez, P.E. Director of Engineering Services	c. POINT OF CONTACT TELEPHONE NUMBER (954) 602-3316
a. PROJECT OWNER City of Miramar	b. POINT OF CONTACT NAME Mr. Luis Lopez, P.E. Director of Engineering Services	c. POINT OF CONTACT TELEPHONE NUMBER (954) 602-3316			

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

Phased park project which included multiple ball fields, soccer fields, and other recreation areas. Responsible for all phases of the irrigation design including the pump stations.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Masuen Consulting, LLC	(2) FIRM LOCATION (City and State) Oakland Park, Florida	(3) ROLE Irrigation Design and Construction Management
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 3
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21. TITLE AND LOCATION (City and State) Oakland Park Boulevard & 44th Street Passive Park Sunrise, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) 2015
--	--	--	--

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Sunrise	b. POINT OF CONTACT NAME Mr. David Abderhalden Capital Projects Coordinator	c. POINT OF CONTACT TELEPHONE NUMBER (954) 572-2264
---	--	--

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

Design of irrigation system for two new City parks featuring significant native planting beds, open passive play areas, and formal playgrounds. The designs were carefully hydro-zoned beyond normal efforts to maximize potential for water conservation through management (turf, trees, native/xeric planting, traditional plantings.)

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Masuen Consulting, LLC	(2) FIRM LOCATION (City and State) Oakland Park, Florida	(3) ROLE Irrigation Design and Construction Management
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

ARCHITECT ENGINEER QUALIFICATIONS

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME Masuen Consulting, LLC			3. YEAR ESTABLISHED 1995	4. DUNS NUMBER 16-477-5897
2b. STREET 642 Yates Rd			5. OWNERSHIP	
2c. CITY Newport		2d. STATE WA	2e. ZIP CODE 99156	a. TYPE Partnership
6a. POINT OF CONTACT NAME AND TITLE Michele Masuen, President			b. SMALL BUSINESS STATUS	
6b. TELEPHONE NUMBER (866) 928-1533	6c. E-MAIL ADDRESS michele@masuenconsulting.com			7. NAME OF FIRM (If block 2a is a branch office)
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

Total

8

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	
b. Non-Federal Work	4
c. Total Work	4

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts

a. SIGNATURE

b. DATE

6. NAME AND TITLE

3. NAME AND TITLE

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000.	6. \$2 million to less than \$5 million
2. \$100,00 to less than \$250,000	7. \$5 million to less than \$10 million
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
5. \$1 million to less than \$2 million	10. \$50 million or greater

CLIENT REFERENCES

General Civil and Environmental Engineering Services References

General Civil and Environmental Engineering Services Reference No. 1

Client: Broward County Water and Wastewater Services, Water & Wastewater Engineering Division

Contact: Mr. Patrick MacGregor, Expansion Project Administrator

Email: pamacgregor@broward.org

Address: 2555 West Copans Road, Pompano Beach, Florida 33069

Telephone: (954) 831-0904 / **Fax:** (954) 831-0798

Start/End: 2007 - 2014

Status: Construction Complete

Project & Description: North County Neighborhood Improvement Project, NE Quadrant includes approximately 720 acres of land between Dixie Highway and Federal Highway, North of Sample Road in Pompano Beach. The infrastructure improvements to the existing neighborhood included new water, sanitary sewer, storm sewer/drainage, landscaping, signage, and sidewalk systems. The area was developed with limited sanitary sewer system, no drainage and an inadequate water distribution system. The infrastructure improvements to the existing neighborhood included a major drainage basin study, roadway rehabilitation, new water distribution systems, new sanitary sewer collection/transmission systems, new storm sewer/drainage, new storm water quality treatment, landscaping, signage, and sidewalk systems. The sanitary sewer collection system consisted of 69,550 linear feet - 8" gravity main, 807 linear feet - 10" gravity main, 129 linear feet - 12" gravity main, and 144 linear feet - 16" gravity main. The sanitary force main system consisted of 540 linear feet - 8" main, and 1,540 linear feet 12" main. Craven Thompson & Associates (CTA) modeled, designed, permitted, and provided construction services for the construction of the water distribution system which included 35,626 linear feet - 6" water main, 10,161 linear feet - 8" water main, 841 linear feet - 12" water main, 1,306 linear feet - 20" water main, and 1,023 linear feet - 24" water main. In addition, 22,065 linear feet of existing water main was abandoned in-place and grouted, and the replacement of 405 services. Approximately half of those services were relocations from the rear to the front of the lot. The extensive utility work required the restoration of pavement and in many cases total reconstruction of the roads and sidewalks. The water main was permitted through Broward County HRS. CTA provided full time construction management and inspection staff to monitor contractor adherence to schedule, resolve disputes and conflicts, process and respond to Requests for Information (RFIs), evaluate Change Order Requests and process valid requests, ensure that construction was performed in conformance with plans and specifications, review as-built plans and shop drawings, process monthly pay applications, complete substantial and final inspections, and certify the project. Some phases are complete with the final phase anticipated completion date in late 2014. This project required coordination with several different municipalities. A reclaimed water distribution system was installed for future use by residents.

**TAB 2 - STANDARD FORM 330****General Civil and Environmental Engineering Services Reference No. 2**

Client: City of Hollywood
Contact: Mr. Clece Aurelus, P.E., Engineering Manager
Email: caurelus@hollywoodfl.org
Address: 1621 N. 14th Avenue, Hollywood, Florida 33019
Telephone: (954) 921-3930 | **Fax:** (954) 921-3258
Start/End: 2013 – 2016
Status: Construction Completed

Project & Description:**John U. Lloyd Watermain Replacement Project**

The City of Hollywood required replacement of an existing 12" diameter water main along S.R. A1A from Dania Beach Boulevard to the northern limits of John U. Lloyd State Park. The replacement consists of 8,800 linear feet of 12" diameter PVC water main, 880 linear feet of 8" water main, 3,000 linear feet of 12" diameter directional drill water main, consisting of two 12" diameter HDPE directional drills that cross beneath two canals directly connected to the Intracoastal Waterway. The pipe is located 15' – 20' below the bottom of the canals. CTA provided the civil engineering design, permitting and construction engineering and inspection services for the project.

General Civil and Environmental Engineering Services Reference No.3

Client: Central Broward Water Control District
Contact: Mr. Michael Crowley, District Manager
Email: districtmanager@centralbrowardwcd.org
Address: 8020 Stirling Road, Hollywood, Florida 33024
Telephone: (954) 432-5110/ **Fax:** (954) 432-8603
Start/End: 2007 – Present
Status: Construction Completed

Project & Description:**Central Broward Water Control District - District Engineer**

CTA has served as the District Engineer for the Central Broward Water Control District (CBWCD) since March 2007. In this capacity, we review and recommend approval of all drainage projects within the District; review variance requests; serve on the Development Review Committee; attend Board meetings; and prepare construction plans for capital improvement projects. Services to the District include plan and Constructability Review; engineering studies and reports; plan review, surveying; design & permitting for capital improvement projects; construction services; inspection services; and meeting attendance.

**TAB 2 - STANDARD FORM 330****General Civil and Environmental Engineering Services Reference No. 4**

Client: City of Greenacres
Contact: Mr. Carlos I. Cedeño, Public Works Director
Email: ccedeno@greenacresfl.gov
Address: 5750 Melaleuca Lane, Greenacres, Florida 33463
Telephone: (561) 642-2074 / **Fax:** (561) 642-2094
Start/End: 2007 - Present
Status: Construction Completed

Project & Description: Original Section Drainage Improvements, Phase I

The Original Section Drainage Improvements project located in the City of Greenacres is a master planned drainage improvement project for an existing 250-acre neighborhood between Jackson Avenue and Fleming Avenue from Lake Worth Road to 10th Avenue North. The project requires 4,500 linear feet of drainage pipe, 21,615 linear feet of ditch reshaping, longs lengths of sidewalk replacement, driveway restorations, and pavement restoration. Project challenges included improving a neighborhood without a typical modern drainage system in and working with numerous franchise utility conflicts. In First Street all of the existing FPL poles had to be relocated from the front of the walk to the back of the walk to allow space for the drainage piping. The Phase 1 project required installation of 500 linear feet of 36" RCP storm pipe, 1,010 linear feet of 24" RCP Storm Pipe, 156 linear feet of 18" RCP Storm Pipe, 156 linear feet of 12"x18" RCP storm Pipe, significant ditch reshaping, sidewalk replacement, and replacement of outfall to LWDD canal. The design of Phase 1 was complete January 2015 and construction of Phase 1 in March of 2016.

General Civil and Environmental Engineering Services Reference No. 5

Client: City of Hallandale Beach
Contact: Mr. Manga Ebbe, Project Manager
Email: mebbe@cohb.org
Address: 630 NW 2nd Street, Hallandale Beach, Florida 33009
Telephone: (954) 457-3043
Start/End: 2015 – 2018
Status: Construction Completed

Project & Description: NE 14th Avenue Streetscape

The project area is along NE 14th Avenue between Hallandale Beach Boulevard and Atlantic Shores Boulevard. The project corridor is approximately 3,400 linear feet. The project includes: Mill and overlay entire roadway (including pavement markings); on east side of NE 14th Avenue, mill and overlay off-street parking (including pavement markings) and provide new Type 'D' curbed landscape bulb-outs to delineate parallel parking and include canopy trees, shrubs, groundcover and spray and drip irrigation; bike lanes on both sides of roadway; curbing or other treatments at existing driveway entrances; canopy trees with ground cover intermingled and drip irrigation on the west side of NE 14th Avenue; landscape screening along north, south, and west sides of the two (2) storm water pump stations. Please note: Landscaping along the west side of the enclosure may be limited due to the close proximity of the screen fence to the existing sidewalk; PaveDrain concrete block access drives on each side of the two (2) storm water pump stations; mid-block crosswalks; and resting areas (benches, trash cans, etc.). CTA is providing surveying, landscape architectural, and civil engineering services.



CLIENT REFERENCES

Mr. Kona Gray
EDSA
1512 East Broward Blvd., Suite 110
Fort Lauderdale, FL 33301
Phone: (954) 524-3330
Fax: (954) 524-0177
kgray@edsaplan.com

Mr. Rick Crooks
EAC Consulting, Inc.
815 NW 57th Ave, Suite 402
Miami, Florida 33126
Phone: (305) 264-2557
Fax: (305) 264-8363
eac@eacconsult.com

Mr. Richard Tornese
Broward County Highway Construction and
Engineering Division
1 North University Drive, Suite 300-B
Plantation, Florida 33324
Phone: (954) 577-4579
Fax: (954) 357-5715
rtornese@broward.org

Mr. Nelson Bennett
WCI Communities, Inc.
8895 North Military Trail, Suite 101-B
Palm Beach Gardens, FL 33410
Phone: (561) 345-6700
Fax: (561) 345-6710
NelsonBennett@wcicomunities.com

Mr. John Foglesong
Division Director
Seaport Engineering & Construction
Division – Port Everglades
1850 Eller Drive
Fort Lauderdale, FL 33316
Phone: (954) 468-0143
Fax: (954) 468-0158
PortEverglades@broward.org

Mr. Colin Donnelly
Assistant City Manager
City of Dania Beach
100 W. Dania Beach Boulevard
Dania Beach, Florida 33004
Phone: (954) 924-6800
cdonnelly@daniabeachfl.gov



TAB 2 - STANDARD FORM 330

Land Surveying Services References

Land Surveying Services Reference No. 1

Client: City of North Miami Beach
Contact: Mr. Karim L. Rossy, Utilities Engineering Manager
Email: karim.rossy@citynmb.com
Address: 17050 NE 19th Avenue, North Miami Beach, Florida 33162
Telephone: (305) 948-2980, ext. 7962 / **Fax:** (305) 957-3501
Start/End: 2015 - 2016
Status: Project Complete

Project & Description: North Miami Beach Water & Sewer Service Area GIS & Mapping

The purpose of the 25,600-acre service area project was to provide the City with the complete GIS product of their water and sanitary system. This involved the conversion of the City's existing water and sanitary sewer infrastructure, from an AutoCAD drawing file format to the industry standard, Environmental Systems Research Institute (ESRI) Geographic Information System (GIS) format. The Project included the entire North Miami Beach Utility service area. The process included conversion of existing AutoCAD files, into the same coordinate system as the GIS, so that future updates will be more easily transferred between the two systems, for updates and maintenance. The project involved setting up a GIS Network file structure for the City to insert existing and future documentation into, as well as, adding GIS database information in the future.

Land Surveying Services Reference No. 2

Client: City of Plantation
Contact: Mr. Juan Figueroa, Engineer II
Email: jfigueroa@plantation.org
Address: 401 NW 70th Terrace, Plantation, Florida 33317
Telephone: (954) 797-2283 / **Fax:** (954) 797-2761
Start/End: 2017 - 2018
Status: Survey Complete

Project & Description: Plantation Stormwater Management Survey

Using high definition aerial provided by others or under separate task, CTA provided both the in-house and field survey necessary to superimpose public right-of-way. Right-of-ways and easements readily available via public documents were included. Utilizing this base file CTA obtained survey of infrastructure, drainage basins, culverts, swales and other surface features as necessary for the proposed project improvements. For projects involving maintenance dredging, CTA obtained bathymetric survey information of existing canal conditions. The neighborhoods included in the survey were:

- Park East
- Plantation Isles
- Royal Palm Estates
- Historical District
- Eldorado Estates)
- Plantation Golf Estates



TAB 2 - STANDARD FORM 330

Land Surveying Services Reference No. 3

Client: City of Fort Lauderdale
Contact: Mr. Rares Petrica, P.E., Senior Project Manager
Email: rpetrica@fortlauderdale.gov
Address: 100 North Andrews Avenue, Fort Lauderdale, Florida 33301
Telephone: (954) 828-6720 / **Fax:** NA
Start/End: 2016 - 2017
Status: Surveying & GIS Completed

Project & Description: Fort Lauderdale Stormwater Master Plan Surveying & GIS

Craven Thompson As-built/Inventoried 5,400 stormwater features for GIS model. The survey limits of this project are described as the entire City limits of Fort Lauderdale. The City was flown with high density aerial LiDAR to a vertical accuracy of 0.15 feet across the entire City. From the Lidar, CTA created a 2-foot grid Digital Elevation Model of the ground for modeling drainage flow. This required a GPS Control Network, and 309 ground control for the flight, performed over 5,000 verification shots on hard surfaces at major roadways across the city. The second part of this survey was to collect and evaluate 5,400 storm structures with Rims, Inverts, Pipe Size, material, and research As-built records of the City in the Stormwater system and provide the data to the City in ArcGIS Geodatabase conforming to their GIS Model Schema.

Land Surveying Services Reference No. 4

Client: City of Hollywood
Contact: Mr. Clece Aurelus, P.E., Engineering Manager
Email: caurelus@hollywoodfl.org
Address: 1621 N. 14th Avenue, Hollywood, Florida 33019
Telephone: (954) 921-3930 / **Fax:** (954) 921-3258
Start/End: 2016
Status: Surveying Completed

Project & Description: Watermain Replacement Program Survey (Davie Road Extension to Sheridan Street, and University Drive to N 72nd Avenue) - CTA prepared a topographic survey for engineering design purposes for thousands of feet of service and distribution water main replacement. The Survey consisted of locations and cross-section elevations in the full rights-of-Way of the streets within the project limits involving the topographic survey of approximately eleven miles of roads. A survey control baseline will be established throughout the project limits containing survey control points with both horizontal and vertical coordinate information in the form of x-y-z values, in State Plane, Florida East Zone, NAD83(90), US Survey Feet format. CTA utilized the survey control baseline to conduct a Topographic Survey of the full rights-of-ways of the streets locating multiple property corners within each block in order to establish a best-fit scenario for the rights-of-way, utilizing the found survey control and the recorded plats. Topographic cross-section elevations were measured at one hundred (100) foot intervals along the entire route including ten (10) feet outside of the rights-of-way where it was accessible. The roadways were driven with high density Mobile Lidar to capture 3D topographic features of everything along each route so it could be located and plotted with a high degree of accuracy for the Survey & Design.



TAB 2 - STANDARD FORM 330

Land Surveying Services Reference No. 5

Client: City of Lake Worth
Contact: Mr. Felipe Lofaso, Assistant Director of Public Services
Email: flofaso@lakeworth.org
Address: 1749 3rd Avenue South, Lake Worth, Florida 33460
Telephone: (561) 586-1720
Start/End: 2014
Status: Surveying Completed

Project & Description:

LW 2020 Master Plan Improvements Survey-Year 1 (Projects 1, 3, 5, 6, & 8)

CTA is contracted with the City of Lake Worth to **survey**, design, permitting and provide construction services for Projects 1, 3, 5, 6 & 8 of Year 1 of the Lake Worth 2020 Master Plan. CTA prepared a boundary and topographic survey of the rights-of-way covering approximately 3.25 miles of roadway. The survey meets all of the current surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida, as defined in Chapter 5J-17.050 - .052, Florida Administrative Code.

The survey includes the recovery of sufficient existing boundary and/or right-of-way monumentation to determine the right-of-way lines needed to tie in all visible improvements. Locations of all aboveground and visible improvements, included all pavement, slabs, fences, signs, overhead wires, trees, and utility features, within the limits of the existing platted rights-of-way. Elevations were taken on an approximate at fifty (50) foot cross sections, along all roadways and extend approximately 20-25 feet outside the right-of-way where accessible, permitted by the adjacent property owners. Finish Floor elevations were measured on all residential and commercial buildings along each route where accessible and permitted by the adjacent property owners. Elevation datum to be decided by the City of Lake Worth and will be relative to North American Vertical Datum of 1988 (NAVD88).

**TAB 2 - STANDARD FORM 330****Landscape Architecture Services References****Landscape Architecture Services Reference No. 1**

Client: City of Sunrise, Capital Projects Section
Contact: Mr. David Abderhalden, Capital Projects Coordinator
Email: dabderhalden@sunrisefl.gov
Address: 777 Sawgrass Corporate Parkway, Sunrise, Florida 33325
Telephone: (954) 572-2264
Start/End: 2010 – 2015
Status: Construction Complete

Project & Description: Oak Hammock Park

Funding for the acquisition of this site was provided through the Broward County Land Preservation Bond Program. Located adjacent to a canal opposite single-family homes and next to commercial development, this park site is a perfect natural buffer between the two uses. The location of this park next to a canal provided a wonderful opportunity to bring the water element into the park setting with a canoe trail encircling a “bird island”. A proposed meandering boardwalk through the newly constructed wetlands is a serene and educational experience for all of the park’s visitors. The site plan was designed to preserve and enhance all of the existing natural upland resources while providing a beautiful, safe and functional passive park for the residents. The park contains a walking/jogging trail utilizing pervious materials, multiple custom designed picnic pavilions, pervious parking, expansive open play areas, a large playground which includes rock climbing, and two custom designed restroom facilities, as well as environmental educational materials along the boardwalk and at the entrance. The park is also 75% planted utilizing native species and utilize recycled materials in all site furnishings. CTA was the prime consultant responsible for the park design as well as the survey, preparation of the Open Space Park Management Plan, the design workshops, conceptual site design, Construction Documents and Construction Management for the City of Sunrise.

Landscape Architecture Services Reference No. 2

Client: City of Miramar
Contact: Mr. Salvador Zuniga, P.E., Project Manager
Email: sezuniga@miramarfl.gov
Address: 2200 Civic Center Blvd., Miramar, Florida 33325
Telephone: (954) 602-3323
Start/End: 2007 - 2014
Status: Construction Complete

Project & Description: Miramar Historical Area Complete Streets Project, Phase II

CTA was selected by the City of Miramar to survey, design, permit, and provide construction services for Phase II of their Historical Area Complete Streets Project. The project includes surveying, landscape and engineering design, permitting and construction services for complete streets bounded by Pembroke Road to the north, County Line Road to the south, SW 62nd Avenue to the west, and State Road 7 to the east. The project includes six (6) streets in the Historical Area. The improvements include: sidewalks, ADA ramps, crosswalks, pedestrian level lighting, landscaping and hardscape. The City received a grant through the Broward Redevelopment Program for the improvements.

**TAB 2 - STANDARD FORM 330****Landscape Architecture Services Reference No. 3**

Client: City of Oakland Park
Contact: Ms. Lori Douvris, Project Manager
Email: lori.douvris@oaklandparkfl.gov
Address: 5399 N. Dixie Highway, Suite 3, Oakland Park, Florida 33334
Telephone: (954) 630-4479 / **Fax:** (954) 229-0422
Start/End: 2016 – 2017
Status: Construction Complete

Project & Description: Oakland Park Blvd. Median Enhancement

CTA was retained by the City of Oakland Park to enhance the aesthetic appeal of Oakland Park Boulevard (State Road 816) from NW 31st Avenue to I-95 (within the City limits) through landscaping improvements in the median of the multi-lane state highway. These improvements require review and approval from both the City and the Florida Department of Transportation (FDOT).

Landscape Architecture Services Reference No. 4

Client: City of Hallandale Beach
Contact: Mr. Greg Harris, Capital Projects Manager
Email: gharris@cohb.org
Address: 400 S. Federal Highway, Hallandale Beach, Florida 33009
Telephone: (954) 457-3029/ **Fax:** (954) 457-1454
Start/End: 2016 – 2020
Status: Under Construction

Project & Description: Bluesten Park

Bluesten Park is currently in the design phase. The Park will include a 42,000 sf Recreation Center with Pool and Splash Play Area, Soccer/Multi-Use Field, three (3) baseball Fields, three (3) basketball courts, two (2) tennis courts, two (2) racquetball courts, boundless ADA inclusive playground, walking trails and pavilions; and full promenade streetscape design for surrounding streets for pedestrian friendly corridors and parallel parking. CTA is providing landscape architectural, surveying and civil engineering services for the project.

Landscape Architecture Services Reference No. 5

Client: Town of Davie CRA
Contact: Ms. Cheryl Ellett, CRA Program Manager
Email: Cheryl_ellett@davie-fl.gov
Address: 6951 Orange Drive, Davie Florida 33314
Telephone: (954) 797-1232
Start/End: 2011 – 2019
Status: Under Construction

Project & Description: Westside Park Drainage /Retention Area

CTA completed the Westside Town Hall Drainage construction plans within the CRA, west of Davie Road and north of Orange Drive. The site is approximately thirty-four (33.79) acres and is bounded by SW 41st Court on the south, SW 67th Avenue on the west, SW 39th Street on the north, and Davie Road on the east. The Drainage Study incorporated a 5-acre parcel of Town-owned land adjacent to the Central Broward Water Control District Canal, west of Town Hall, as a passive park/retention area. CTA provided landscape services for the Town of Davie CRA that included the implementation of a passive park / retention area, playground area, parking lot, paved walkways, and landscape areas.

Tab 3
Certified Minority Business
Enterprise

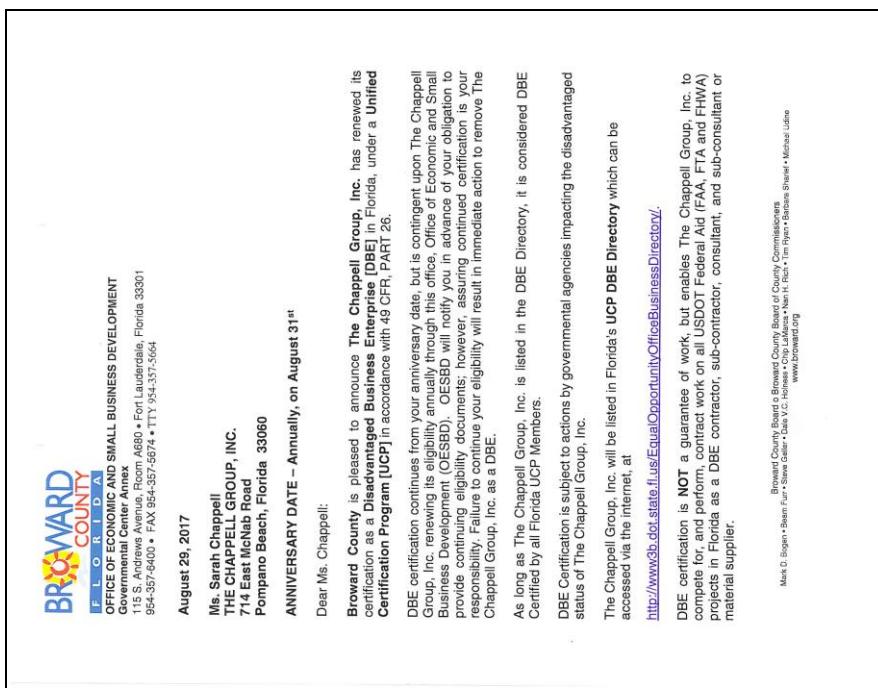
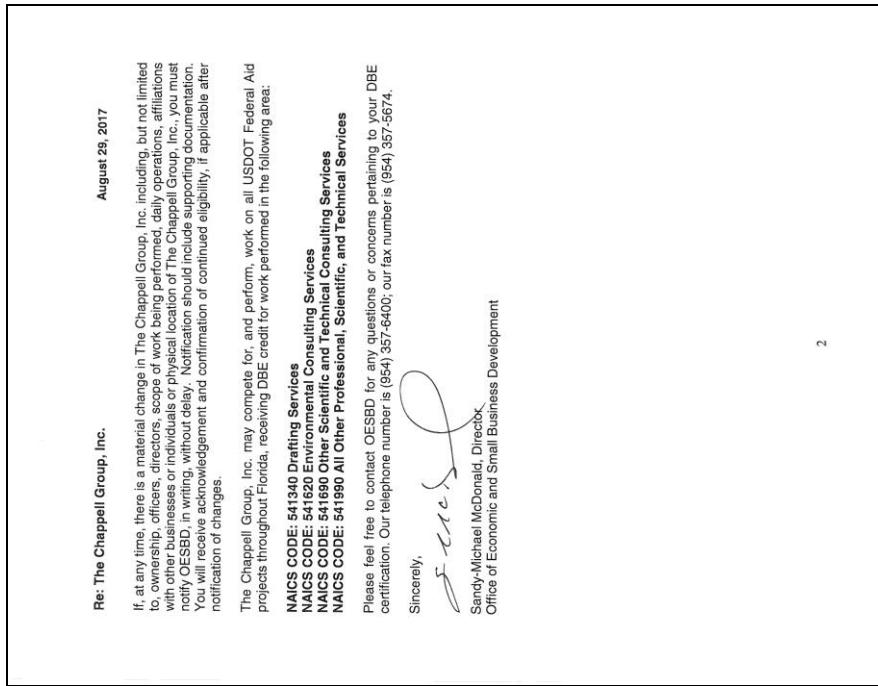


TAB 3 - CERTIFIED MINORITY BUSINESS ENTERPRISE

CERTIFIED MINORITY BUSINESS ENTERPRISE / CERTIFICATIONS

Craven Thompson & Associates, Inc. is not a Small or Minority Business Enterprise firm; however, we are dedicated to building a stronger community. We recognize the importance of Supplier Diversity and are committed to actively seeking out SBE / MBE firms. The following are our Sub-consultants' Certifications:

The Chappell Group, Inc.





TAB 3 - CERTIFIED MINORITY BUSINESS ENTERPRISE

Electrical Design Associates



Electrical Design Associates, Inc

Active

Profile

Commodity Codes

Name:

Electrical Design Associates, Inc

Shortname:**Business Designation:**

corporation

Contact:

Lillian Reyes

Address:

8401 Lake Worth Road

Lake Worth, FL 33467

County:

Palm Beach

Phone:

561-819-5556

Fax:

561-819-5557

Email:

Lreyes@goeda.com

Designations

HISPANIC AMERICAN:

July 26, 2017 - July 26, 2019

WOMAN OWNED:

July 26, 2017 - July 26, 2019



TAB 3 - CERTIFIED MINORITY BUSINESS ENTERPRISE

Absolute Civil Engineering Solutions, LLC



Tab 4
Other Completed Documents



(OFFICE USE ONLY) Vendor number:

Please entirely complete this vendor information form along with the IRS Form W-9, and email to accountspayable@ppines.com
City of Pembroke Pines
Finance Department
601 City Center Way
Pembroke Pines, FL 33025

Vendor Information Form

Operating Name (Payee)	Craven, Thompson & Associates, Inc.		
Legal Name (as filed with IRS)	Same		
Remit-to Address (For Payments)	3563 NW 53rd Street, Fort Lauderdale, Florida 33309		
Remit-to Contact Name:	Patrick J. Gibney, P.E.	Title:	Vice President, Engineering
Email Address:	pgibney@craventhompson.com		
Phone #:	(954) 739-6400	Fax #	(954) 739-6409
Order-from Address (For purchase orders)	3563 NW 53rd Street, Fort Lauderdale, Florida 33309		
Order-from Contact Name:	Patrick J. Gibney, P.E.	Title:	Vice President, Engineering
Email Address:	pgibney@craventhompson.com		
Phone #:	(954) 739-6400	Fax #	(954) 739-6409
Return-to Address (For product returns)	3563 NW 53rd Street, Fort Lauderdale, Florida 33309		
Return-to Contact Name	Patrick J. Gibney, P.E.	Title:	Vice President, Engineering
Email Address:	pgibney@craventhompson.com		
Phone #:	(954) 739-6400	Fax #	(954) 739-6409
Payment Terms:	* See Attached (at the end of this Section)		

Type of Business (please check one and provide Federal Tax identification or social security Number)

Corporation

Federal ID Number:

59-0948029

Sole Proprietorship/Individual

Social Security No.:

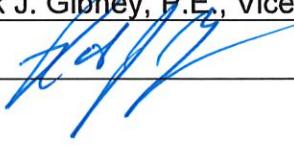
Partnership

Health Care Service Provider

LLC - C (C corporation) - S (S corporation) - P (partnership)

Other (Specify):

Name & Title of Applicant Patrick J. Gibney, P.E., Vice President, Engineering

Signature of Applicant  Date July 24, 2018

Form **W-9**
(Rev. November 2017)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

► Go to www.irs.gov/FormW9 for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Craven, Thompson & Associates, Inc.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

Individual/sole proprietor or single-member LLC C Corporation S Corporation Partnership Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

Other (see instructions) ► _____

5 Address (number, street, and apt. or suite no.) See instructions.

3563 NW 53rd Street

6 City, state, and ZIP code

Fort Lauderdale, Florida 33309

7 List account number(s) here (optional)

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

Requester's name and address (optional)

Print or type.
See Specific Instructions on page 3.

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number		
- - -		

or

Employer identification number									
5	9	-	0	9	4	8	0	2	9

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ► 

Date ► **July 24, 2018**

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.



City of Pembroke Pines

Attachment C

NON-COLLUSIVE AFFIDAVIT

BIDDER is the **[Craven, Thompson & Associates, Inc.]**,
 (Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature

Patrick J. Gibney, P.E.

Title **Vice President, Engineering**Name of Company **[Craven, Thompson & Associates, Inc.]**



**SWORN STATEMENT
ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**

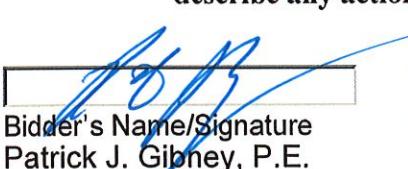
A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**



Bidder's Name/Signature
Patrick J. Gibney, P.E.

Craven, Thompson & Assoc., Inc.
Company

July 24, 2018
Date

CONTACT INFORMATION FORM

IN ACCORDANCE WITH "RFQ # PSEN-18-02" titled "Professional Service Providers (Architectural, Engineering, Surveying & Mapping)" attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal.

COMPANY INFORMATION:

COMPANY:

STREET ADDRESS:

CITY, STATE & ZIP CODE:

PRIMARY CONTACT FOR THE PROJECT:

NAME: TITLE:

E-MAIL:

TELEPHONE: FAX:

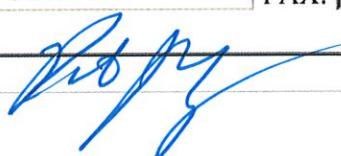
CORPORATE OFFICER AUTHORIZED APPROVER:

NAME: TITLE:

E-MAIL:

TELEPHONE: FAX:

SIGNATURE:



PROFESSIONAL SERVICES FORM

Please check the boxes shown below that your company wants to be considered for:

<input checked="" type="checkbox"/>	General Civil and Environmental Engineering Services
<input type="checkbox"/>	Treatment Plant Process Engineering Services
<input type="checkbox"/>	Electrical Engineering Services
<input type="checkbox"/>	Geotechnical Services
<input type="checkbox"/>	Structural Engineering Services
<input checked="" type="checkbox"/>	Land Surveying Services
<input type="checkbox"/>	General Architectural Services
<input checked="" type="checkbox"/>	Landscape Architecture Services
<input type="checkbox"/>	Hydro-Geological Services
<input type="checkbox"/>	FDOT Roadway Engineering Services



EQUAL BENEFITS CERTIFICATION FORM FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

“During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City’s Code of Ordinances, and its employees with Domestic Partners and all Married Couples”.

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

SECTION 1 DEFINITIONS

1. **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
2. **Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
3. **Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
4. **Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A

contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.
7. **Traditional marriage** means a marriage between one man and one woman.

SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

A. Contractor currently complies with the requirements of this section; or

B. Contractor will comply with the conditions of this section at the time of contract award; or

C. Contractor will not comply with the conditions of this section at the time of contract award: or

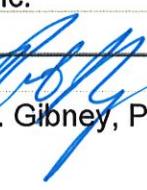
D. Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):

- 1. The Contractor does not provide benefits to employees' spouses in traditional marriages;
- 2. The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;
- 3. The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;
- 4. The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME:

AUTHORIZED OFFICER NAME / SIGNATURE:


Patrick J. Gibney, P.E., Vice Pres., Engineering



VENDOR DRUG-FREE WORKPLACE CERTIFICATION FORM

SECTION 1 GENERAL TERM

Preference may be given to vendors submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991. The special condition is as follows:

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

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

SECTION 2 AFFIRMATION

Place a check mark here only if affirming bidder complies fully with the above requirements for a Drug-Free Workplace.

Place a check mark here only if affirming bidder does not meet the requirements for a Drug-Free Workplace.

Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for Drug-Free Workplace Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for Drug-Free Workplace Preference based on their sub-contractors' qualifications.


Authorized Signature

Patrick J. Gibney, P.E., V.P., Eng.
Authorized Signer Name

Craven Thompson & Associates
Company Name



PROPOSER'S QUALIFICATIONS STATEMENT

PROPOSER shall furnish the following information. Failure to comply with this requirement will render Bid non-responsive and shall cause its rejection. Additional sheets shall be attached as required.

PROPOSER'S Name and Principal Address:

Craven Thompson & Associates, Inc.

3563 NW 53rd Street

Fort Lauderdale, Florida 33309

Contact Person's Name and Title: Patrick J. Gibney, P.E., Vice President, Engineering

Contact Person's E-mail Address: pgibney@craventhompson.com

PROPOSER'S Telephone and Fax Number: (954) 739-6400 / (954) 739-6409

PROPOSER'S License Number: Engineering-271, Surveying-LB271, Landscape Arch.-LCC000114
(Please attach certificate of status, competency, and/or state registration.)

PROPOSER'S Federal Identification Number: 59-0948029

Number of years your organization has been in business 56 Years

State the number of years your firm has been in business under your present business name 42 Years

State the number of years your firm has been in business in the work specific to this solicitation:
56 years

Names and titles of all officers, partners or individuals doing business under trade name:

Thomas M. McDonald, President

Patrick J. Gibney, P.E., Vice President / Richard D. Pryce, P.S.M., Vice President, Surveying & GIS

Joseph D. Handley, R.L.A., Vice President, Planning & Landscape Architecture

Richard D. Pryce, P.S.M., Vice President, Surveying & GIS

The business is a: Sole Proprietorship Partnership Corporation

IF USING A FICTITIOUS NAME, SUBMIT EVIDENCE OF COMPLIANCE WITH FLORIDA
 FICTITIOUS NAME STATUTE. (ATTACH IN PROPOSER EXHIBIT SECTION)



Under what former name has your business operated? Include a description of the business. Failure to include such information shall be deemed to be intentional misrepresentation by the City and shall render the proposer RFP submittals non-responsive.

Davis & Craven, Inc. (January 1, 1962 - March 17, 1975)

Davis, Craven, Thompson, Inc. (March 17, 1975 - January 22, 1976)

A description of the business is included in this section.

At what address was that business located?

5901 NW 31st Avenue, Fort Lauderdale, Florida 33309

3563 NW 53rd Street, Fort Lauderdale, Florida 33309

Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract:

Not Applicable.

Have you ever failed to complete work awarded to you. If so, when, where and why?

No.

Have you personally inspected the proposed WORK and do you have a complete plan for its performance?

Not Applicable.



Will you subcontract any part of this WORK? If so, give details including a list of each subcontractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s).

Yes, Subconsultants are included on our Team; however, we do not foresee any of our subs performing work in excess of ten percent of the contract amount.

The foregoing list of subcontractor(s) may not be amended after award of the contract without the prior written approval of the Contract Administrator, whose approval shall not be reasonably withheld.

List and describe all bankruptcy petitions (voluntary or involuntary) which have been filed by or against the Proposer, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.

None.

List and describe all successful Bond claims made to your surety (ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Proposer and its predecessor organization(s).

Not Applicable.

List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.

A list of Litigation is included in this Section.



List and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants.

None.

Has the Proposer, its principals, officers or predecessor organization(s) been CONVICTED OF A Public Entity Crime, debarred or suspended from bidding by any government entity? If so, provide details.

No.

Are you an Original provider sales representative distributor, broker, manufacturer other, of the commodities/services proposed upon? If other than the original provider, explain below.

Have you ever been debarred or suspended from doing business with any governmental agency? If yes, please explain:

No.



City of Pembroke Pines

Attachment I

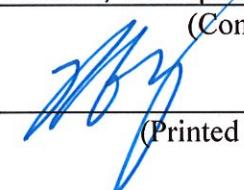
Describe the firm's local experience/nature of service with contracts of similar size and complexity, if the previous three (3) years:

Please refer to Tab 2 - Standard Form 330 for Projects of Similar Size and Complexity.

The PROPOSER acknowledges and understands that the information contained in response to this Qualification Statement shall be relied upon by CITY in awarding the contract and such information is warranted by PROPOSER to be true. The discovery of any omission or misstatement that materially affects the PROPOSER'S qualifications to perform under the contract shall cause the CITY to reject the Bid, and if after the award, to cancel and terminate the award and/or contract.

Craven, Thompson & Associates, Inc.

(Company Name)

Patrick J. Gibney, P.E.

(Printed Name/Signature)



TAB 4 - OTHER COMPLETED DOCUMENTS

PAYMENT TERMS

Work will be invoiced at the end of each month based on a proration of work completed to date, with payment expected upon receipt of the invoice by the Client. Client shall notify firm within ten (10) days of receipt of invoice should invoice be found to be unacceptable. Any invoice for which firm is not so notified shall be deemed to be acceptable for purposes of payment by Client. If payment is not received within 45 days of the invoice date, Consultant may terminate this agreement or suspend work under the agreement without further notice, and a late charge of one and one-half percent (1-1/2%) per month on outstanding balance shall accrue until delinquent balance is paid. Client agrees to pay all costs of collection, including reasonable Attorney fees, should such action be required.



TAB 4 - OTHER COMPLETED DOCUMENTS

LITIGATION

The following is a list of litigation matters in the past ten (10) years involving projects of a similar nature:

Date: Case filed January 2008 / Dismissed August 7, 2013 **Monetary Amount Involved:** None.
Case No.: Broward County Case No. 07-34975(03)
Name of Case: Ocean Palms Association, Inc. v. Ocean Palms, LLC; Coastal Construction Services, LLC; Fullerton Diaz Architects, Inc.; Florida Engineering Services, Inc.; Craven, Thompson & Associates, Inc.; Biscayne Construction Company, Inc.; Hollywood Stone, Inc.; Bradshaw & Associates, P.A.; CHM Consulting Engineers, Inc., and M. Ecker & Co. of Florida, Inc.
Explanation: Plaintiff claimed unspecified problems with the building. It was unclear what civil engineering issues were relevant. The architect and the entire design team were defendants.

Date: Case filed November 3, 2009 / Dismissed March 18, 2013 **Monetary Amount Involved:** None.
Case No.: Broward County Case No. 09059734
Name of Case: The Waverly at Las Olas Condominium Association, Inc. v. Waverly Las Olas, LLC, Suffolk Construction Company, Inc., Dorsky Hodgson + Partners, Inc., BBM Structural Engineers, Inc., Steven Feller, P.E., P.L., Craven Thompson & Associates, Inc., ZOM Development, Inc.
Explanation: Plaintiff claimed unspecified problems with the building. It was unclear what civil engineering issues were relevant. The architect and the entire design team were defendants.

Case No.: Palm Beach County Case No. 502013CA007785XXXXMBA

Date: Case filed June 4, 2013 / Dismissed February 2015
Case No.: Palm Beach County Case No. 502016CA006688XXXXMB
Date: Case re-opened March 2017 – Case Settled September 2017

Monetary Amount Involved: \$15,000.00

Position: Defendant

Name of Case: The Edge No. One Condominium Association, Inc. vs. The Edge Investors, L.P.; Coastal Construction of South Florida, Inc.; Trans Coastal Construction Company; Steven Feller, P.E., P.L.; Cohen, Freedman, Encinosa & Associates-Architects, P.A.; CHM Consulting Engineers, Inc.; Craven Thompson & Associates, Inc.

Explanation: Plaintiff claimed unspecified problems with the building. It was unclear what civil engineering issues were relevant. The contractor, architect and the entire design team were defendants.

Date: Case filed June 9, 2015 / Settled December 9, 2016

Monetary Amount Involved: \$150,000 (Giannetti Contracting - \$120,000, Craven Thompson - \$30,000)

Case No.: Broward County Case No. 14-002381 (21)

Name of Case: Broward County Case No. 14-002381 (21) - Randy Ezekowitz vs. Giannetti Contracting Corporation, E&N Construction, Inc., Asphalt Milling Services, Inc., Bon's Barricades, Inc., Florida Department of Transportation, Craven Thompson & Associates, Inc. and Transfield Services Infrastructure, Inc.

Explanation: Plaintiff claims that CTA failed to warn motorists of the difference in elevation of pavement. Plaintiff did not specify a specific claim related to Civil Engineering.

Date: Case filed Sept. 11, 2011 / Dismissed October 18, 2013 **Monetary Amount Involved:** None.

Case No.: Palm Beach County Case No. 502011CA014555XXXXMB

Case Name: Darlene Cookish vs. Craven Thompson & Associates, Inc.

Explanation: No complaint was ever filed. CTA only received a summons for information. The incident did not involve any of our projects. It involved a project next door. Nothing involved Craven Thompson. When this was explained to the plaintiff's attorney, no further action was taken on their part. The statute of limitations has since passed.



TAB 4 - OTHER COMPLETED DOCUMENTS

Date: Case filed January 2010 / Dismissed June 2010

Monetary Amount Involved: None.

Case No.: Palm Beach County No. 502010CA001641

Name of Case: The Slade Condominium Association, Inc. v. TDC Flagler WPB LTD, TDC Flagler WPB, Inc., as General Partner of TDC Flagler WPB LTD; Weitz Company LLC; Arquitectonica International Corporation; O'Donnell Naccarato Mignogna & Jackson, Inc.; FES, Inc.; Craven Thompson & Associates, Inc.; Coastal Masonry, Inc.; Fire Barrier Installation, Inc.; Summers Fire Sprinklers, Inc.; Farmer & Irwin Corp.; Pomeroy Electric, Inc.; Edwin M. Green, Inc.; White Aluminum Fabrication, Inc.; Coman Caulking and Waterproofing, Inc.; RC Aluminum Industries, Inc.; Ceco Concrete Construction, LLC; Bay to Bay Painting and Waterproofing, Inc.; PTE Strand Co., Inc.; JS Plastering, Inc.

Explanation: The complaint appeared in Palm Beach County Records. CTA was never served with a summons and was unaware of the case until a public records search in June 2011. CTA was unaware of any claims against CTA.

TAB 4 - OTHER COMPLETED DOCUMENTS

DESCRIPTION OF BUSINESS

Craven Thompson & Associates, Inc. (CTA) has a successful track record in providing infrastructure studies, design, permitting and construction related services to numerous municipalities and governmental agencies. CTA has eighty-five (85) employees consisting of ten (10) Administrative Personnel, twenty-eight (29) Civil Engineers, two (2) Construction Managers, two (2) AutoCAD Technicians, five (5) Construction Inspectors; four (4) Landscape Architects, one (1) Landscape Designer, one (1) Planner, thirty (31) Surveyors & GIS Specialists (includes field crews).

CIVIL ENGINEERING

Neighborhood Redevelopment

CTA has acted as the prime consultant on all of our neighborhood redevelopment projects. Many of our large neighborhood projects have included extensive lengths of roadway, water, sewer, drainage, and right-of-way reconstruction. Examples include:

- **The North County Neighborhood Improvement Project, NE Quadrant, Bid Package 9** included a reuse water distribution system consisting of 22,000 linear feet of 4" diameter, and 1,800 linear feet of 12" diameter main, a total of 57,000 linear feet of domestic water main with a total of 40,000 linear feet of sanitary sewer collection and transmission systems. The drainage improvements included 6,560 linear feet of storm sewer, 8,920 linear feet of exfiltration trench, two (2) control structures, over 70,000 linear feet of roadway, over 160,000 linear feet of swale reconstruction, 80,000 linear feet of sidewalk, hundreds of driveway restorations, swales, ADA ramps, ADA improvements, drainage/stormwater design and extensive pavement marking & signage.
- **The North County Neighborhood Improvement Projects, NE Quadrant Bid, Package 10** included a reuse water distribution system consisting of a reuse water distribution system consisting of 31,000 linear feet of 4" diameter, and 1,800 linear feet of 16" diameter main, approximately 4,740 linear feet of water main, 21 water services, 27,755 linear feet of sanitary sewer collection and transmission lines, 475 laterals over 70,000 linear feet of roadway, thousands of linear feet of swale reconstruction, 29,700 S.Y. of sidewalk, hundreds of driveways, ADA improvements, and drainage/storm water design.
- **The North County Neighborhood Improvement Projects, NE Quadrant Bid, Package 11** Bid Package 11 included over 29,350 linear feet of new drainage, 64,000 linear feet of water main, 553 Water Services, 49,700 linear feet of reclaimed water main, 796 reclaimed water services, 43,805 linear feet of gravity sewer main, 750 sewer laterals, lift station, and 1,630 linear feet of force main. Main line pipe sizes ranged from 4" to 48" in diameter. The project also included over 9.6 miles of new roadway construction, sidewalks, driveway aprons, and sodded swales.
- **The North County Neighborhood Improvement Projects, NW Quadrant** The sanitary sewer collection system consisted of 70,783 linear feet of gravity main, 14,253 linear feet of force main system, and four (4) lift stations. The water distribution system additions included 86,112 linear feet of watermain and 1,590 water services. The Storm sewer included 17,006 linear feet of pipe, and there were 33,191 linear feet of exfiltration trench on the project.



TAB 4 - OTHER COMPLETED DOCUMENTS

Roadway improvements included 115,596 linear feet of roadway, along with 104,637 linear feet of sidewalk.

- Finally, the **South County Neighborhood Improvement Project** - The project included the design, permitting, bidding and construction consisting of 53 miles of roadway, 181,000 linear feet of storm sewer (including exfiltration trench), 140,618 linear feet of water main, 236,226 linear feet of gravity sanitary sewer, and 80 miles of sidewalk. This project also included abandoning in-place and grouting over 50,000 linear feet of existing water main, swales at various locations.

CTA provided topographic survey, design, permitting and construction engineering and inspection services on each of these projects. Permitting was performed through the Health Department, County Wastewater, FDOT, BCHECD, BCTED, and SFWMD.

Street/Roadway

We have extensive experience, knowledge and insight in the public outreach, design, permitting, bidding and construction services of major infrastructure projects. Our experience includes hundreds of miles of right-of-way infrastructure for public entities.

CTA is working on or has recently completed (within the past ten (10) years) the design and permitting of a significant number of roadway projects including:



- 6th Avenue South Roadway and Streetscape Improvements, Lake Worth
- Floranada Avenue Traffic Calming Improvements, Oakland Park
- Davie CRA Parking Areas
- Pine Island Road
- Kimberly Boulevard Project, North Lauderdale
- NE 14th Avenue Streetscape Project, Hallandale Beach
- NE 5th Avenue Streetscape Project, Oakland Park
- Miramar Parkway & Miramar Boulevard Median Enhancement Project, Miramar
- NE 34th Court Complete Streets Project, Oakland Park
- NW 38th Street Complete Streets Project, Oakland Park
- Miramar Historic Area Complete Streets Project – Phase II, Miramar
- NW 21st Avenue, Broward County
- SW 41st Place, Davie
- NW 38th Street Project, Oakland Park
- Oakland Park Boulevard Median Beautification – FDOT, Oakland Park
- Powerline Road Median Beautification - FDOT, Oakland Park
- Roadway improvements involving: North M Street, North K Street, North F Street, North J Street, 11th Avenue North, and 15th Avenue North, Lake Worth.

TAB 4 - OTHER COMPLETED DOCUMENTS

Additionally, we have just completed the design of intersection traffic calming improvements to the following intersections for the City of North Miami:

- NW 123rd Street/NW Miami Court
- NW 123rd Street/NW 1st Court
- NW 139th Terrace/NW 5th Court

These roadways included utilities such as sanitary and water, and drainage improvements. In addition, we surveyed, designed, permitted and provided CEI services for hundreds of miles of reconstructed roadway in our infrastructure rehabilitation projects.

Stormwater/Drainage

CTA has prepared master plans, conceptual permits, and studies. We have designed, permitted, bid and managed the construction of thousands of acres of stormwater infrastructure improvements. CTA understands the importance of flood protection measures, as standing water promotes unhealthy conditions as well as inhibits essential services from accessing the area.

Within the past ten (10) years CTA has prepared comprehensive stormwater management plans for the Cities of Aventura, Hallandale Beach, Sunrise, Miami Gardens, Greenacres, the Town of Davie, Study Area #1 modification for Pompano Beach. In addition, we are the drainage engineers for Tindall Hammock Irrigation and Soil Conservation District (THISCD), and the Central Broward Water Control District (CBWCD) providing planning, capital improvements costs, design and construction administration services which resolved flooding and environmental concerns for the Cities. CTA has performed major and minor stormwater basin studies and has implemented recommendations of those studies through design, permitting, & CEI of basin-wide improvements. Our stormwater master planning projects include computer modeling using Streamline Technologies ICPR Software as well as PCSWMM, the commercial version of US EPA SWMM5 Software. CTA has used the ICPR for the past twenty (20) years, and utilizes the latest update, V4.

We have designed and permitted over 400,000 linear feet of storm sewer and exfiltration trench. These designs have included sustainable practices such as the design of bio-swales, exfiltration trench, STORMCEPTORS, and wetland/retention preserve areas.

CTA has recently created the Stormwater Master Plan for the City of Hallandale Beach (2,816 Acres), the Western C-11 Basin Study for the CBWCD (15,952 acres), and for a major portion of the City of Greenacres known as Original Section (250 Acres). These projects included development of scheduled improvements to be implemented over a number of fiscal years to mitigate flooding conditions. We are currently working as the Prime with our sub-consultant, Hazen and Sawyer, on the Comprehensive Stormwater Master Plan for Aventura; and we are a sub-consultant to Hazen and Sawyer (the Prime) on the City of Fort Lauderdale Stormwater Master Plan Implementation of the Durrs and River Oaks Neighborhoods, and also are in the process of completing the East Basin Study (14,938 acres) for the CBWCD.

TAB 4 - OTHER COMPLETED DOCUMENTS

Water & Sewer

CTA has completed numerous sections of the Utility Zone Analysis (UAZ) Program (including both water and sanitary sewer), City of Lake Worth Watermain Replacement, City of Hollywood Watermain Replacement, City of Plantation Watermain Replacement, the City of Oakland Park Watermain and Sanitary Replacement, and the Town of Davie Watermain and Sanitary Replacement. CTA has surveyed, designed, permitted, bid and managed the construction of thousands of acres/feet of watermain, sanitary, and lift station infrastructure. In addition, we have modeled many water and wastewater systems using WaterCAD and SewerCAD.

The following is a tabulation of some of our water and wastewater work:

Government Entity	Watermain (LF)	Sanitary (LF)	Forcemain (LF)	ROW Rest. (LF)	Water Services (EA)	Lift Stations (EA)
Broward County	690,000	676,000	73,000	700,000	5,000	45
Oakland Park	49,000	7,000	7,000	41,200	800	9
Hollywood	246,000	0	0	123,000	1500	2
Lake Worth	20,000	0	0	14,300	510	0
Plantation	51,000	0	0	43,500	520	0
North Miami Beach	14,500	0	0	4,600	170	0
Davie	28,000	12,750	3,000	29,800	260	0
Greenacres	1,000	7,500	0	6,400	0	0
TOTAL	1,099,500	703,250	83,000	962,800	8,760	56

CTA provided topographic survey, design, permitting and construction engineering and inspection services on each of these projects. Permitting was performed through the Health Department, and County Wastewater.

Park Improvements (Civil)

Craven Thompson & Associates, Inc.'s (CTA) active park design, permitting, and construction experience involves preparing design documents that include sports fields, path systems, exercise trails, vehicular circulation, stormwater detention, play areas, visitor facilities and interpretive signage. Our passive park projects incorporate elements, including a number of nature trails, picnic areas, and gathering spaces that take advantage of existing natural features. Passive parks can also act as social spaces for people to interact. The maintaining of natural green space is not only environmentally important, but moreover, is much less costly from a maintenance perspective. The civil engineering department assisted the landscape architecture department to design and permit park improvements.

TAB 4 - OTHER COMPLETED DOCUMENTS

LANDSCAPE ARCHITECTURAL SERVICES

The Landscape Architecture Department at CTA was created in 1985 when its first Registered Landscape Architect joined the team. The Landscape Architecture Department was created in response to increased public and private concern for natural systems, environmental quality and community appearance. CTA has been actively engaged in Landscape Architecture ever since, resulting in hundreds of impressive landscape architectural projects in South Florida. Our Landscape Architects are readily available to provide services to conduct site planning for the initial conceptual planning stages of a project, as well as the landscape, hardscape, site amenity and irrigation plans.



CTA has designed many projects within the tri-county area, including parks, streetscape and median landscape and irrigation design. Our staff has overseen the construction of multiple exciting and innovative waterfront parks including a four-acre riverfront promenade park in Kentucky that consisted of large public plazas, elaborate fountains, a unique performance pavilion and one of the largest and most creatively themed fully ADA accessible playgrounds in the region. CTA oversaw the installation of a nature themed waterfront park in Sunrise that was designed to include created wetlands with boardwalk and pavilions, nature trails, themed play zones and educational signage. Additionally, as the consulting Landscape Architect for the City of Coconut Creek, CTA provides landscape plan code/permit review as well as meeting with residents on landscape issues.

Streetscapes/Complete streets

We have designed a number of right-of-way landscaping and traffic calming projects in the South Florida area. Aesthetic features, such as street lights, trees, berthing, shrubs and other landscaping, can contribute to the unique character of a street and assist in mitigating resident concerns with regards to traffic, noise, and security concerns. Some of the streets including landscape, hardscape, traffic calming and beautification recently completed include: NE 14th Terrace Streetscape & Rehabilitation (includes stormwater pump station landscape screening), NE 5th Avenue Streetscape, Floranada Road Streetscape & Traffic Calming, North Miami Intersections Traffic Calming, Oakland Park Boulevard Median Enhancements, Powerline Road Median Enhancements, and Miramar Parkway & Miramar Boulevard Median Enhancements.



North Miami Intersections Traffic Calming, Oakland Park Boulevard Median Enhancements, Powerline Road Median Enhancements, and Miramar Parkway & Miramar Boulevard Median Enhancements.



TAB 4 - OTHER COMPLETED DOCUMENTS

Recently finished Complete Streets projects include NW 34th Court, and NE 38th Street in Oakland Park, and six (6) complete streets in the Historical Area in the City of Miramar. The Landscape Architecture Department also completed the Bicycle/Pedestrian Greenways & Trails Master Plan for the entire City of Sunrise.

CTA designed approximately seventy (70) miles of Greenways in Broward County. These included the C-14 Canal/Cypress Creek Greenway, New River/SR 84 Greenway, Flamingo Road Trail, Dixie Highway/FEC Trail and Griffin/Orange Drive Greenway. Many of our other projects include master plans, design, permitting and construction services for streetscapes, median landscaping and hardscape, right-of-way enhancements, active and passive parks, recreational amenities for upscale residential projects, landscape and hardscape for libraries, community centers, fire stations, city halls, and urban redevelopment throughout South Florida.

Parks

CTA's active park design, permitting, and construction experience involves preparing design documents that include sports fields, path systems, exercise trails, vehicular circulation, stormwater detention, play areas, visitor facilities and interpretive signage. Our passive park projects incorporate elements, including a number of nature trails, picnic areas, and gathering spaces that take advantage of existing natural features. Passive parks can also act as social spaces for people to interact. The maintaining of natural green space is not only environmentally important, but moreover, is much less costly from a maintenance perspective. Recently completed or current park projects include:

- Bluesten Park
- Sawgrass Sanctuary Park
- 12th Street Park
- Pine Island Road & NW 50th Street Athletic Complex
- Oak Hammock Park
- Cypress Park
- River Oaks Wetland Preserve Park
- Welleby Park
- Oscar Wind Park
- Flamingo Park
- the Urban Art Park
- Jaco Pastorius Park
- Waterways Park



TAB 4 - OTHER COMPLETED DOCUMENTS

Our landscape architects create master plans, designs for public facilities such as libraries, community centers, city halls and other municipal facilities that promote the building architecture and emphasize the character of the surrounding neighborhood. We consider that a building is not an invasion of the landscape, but a vital extension of it. Where a building rests on the land, and how it rests on the land, sets the context for its evolving construction, development, and use.



Urban Design Planning

Over the past several years, urban design in South Florida has gone through a drastic change. With the introduction of 'modern urbanism' the language of development has been changed forever. Suburban communities are now urban; mass transit is being taken seriously; pocket parks and urban oasis are becoming more of a common occurrence and 'sustainability' and 'green buildings' has entered into Code requirements from many cities and counties.



The CTA approach to Urban Design Plans builds on three key principles.

- Build on Your Strength
- Create Great Places
- Activate the Street

With every urban design plan, CTA will review these three key principles to determine how they can all be met. All three are incredibly important in an urban environment. By building on the strength that is already present in the City, site or area, by creating a great space that pays attention to the details and by activating the street which provides an undeniable energy, change will be achieved quicker and will be more successful. In outlining an applicable approach, it is assumed that the task would be to



TAB 4 - OTHER COMPLETED DOCUMENTS

develop general urban design plans for a specific area within the City. The final deliverable could possibly be a set of design guidelines for the redevelopment of an area.

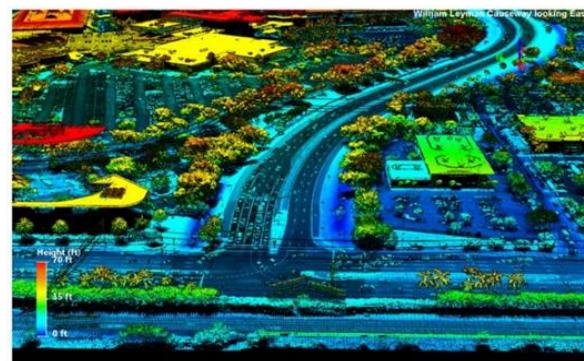
LAND SURVEYING

CTA has provided surveying services on a significant number of roadway projects including:

- Miramar Historic Area Complete Streets Phase II
- NE 29th Place; NW 21st Avenue
- State Road 7
- Electronics Way
- North Riverside Drive
- 7th Street
- Filmore Street; NE 34th Court
- NE 38th Street Complete Streets
- Pine Island Road (BCHCED)
- Miramar Parkway (BCHCED)
- Spangler Boulevard
- Fleming Avenue
- NW 125th Street Improvements
- Sunrise Boulevard (BCHCED)

Other roadway projects where CTA Key Personnel have provided surveying services includes: the NE 5th Avenue Streetscape and Roadway Reconstruction Project; the Floranada Road Traffic Calming Improvement Project; and North Miami Intersection Traffic Calming; Each of these projects involved traffic calming elements, as well as sidewalks, drainage, pavement marking & signage, landscaping & irrigation, and ADA considerations.

In addition, these CTA Key Personnel have undertaken surveying services for roadway milling & re-surfacing projects such as: the 207th Street Milling & Resurfacing; Country Club Drive Milling & Resurfacing; NW 191st Street Milling & Resurfacing; NE 29th Court; NE 201st Terrace; NE 27th Court, and the Frontage Road along NE 203rd Street Milling & Resurfacing; the NE 188th Street, NE 185th Street; and NE 31st Avenue Milling & Resurfacing projects, all in the City of Aventura, and 191st Street Milling & Resurfacing project in City of Miami Gardens.



These CTA team members have performed surveying services for hundreds of miles of roadway on neighborhood projects including: Miami Gardens Livable Neighborhood Improvements – Vista Verde; City of Oakland Park Garden Acres Neighborhood Improvements; South County Neighborhood Improvement Project, Central County Neighborhood Improvement Project; North Central County Neighborhood Improvement Project; and North County Neighborhood Improvement Project, NE and NW Quadrants. Through selection and training of personnel and



TAB 4 - OTHER COMPLETED DOCUMENTS

a program to obtain the best equipment available, we have developed a skilled and technically equipped Surveying Department, capable of conducting almost any type of survey.

In addition to conventional boundary topographic and construction surveys, we have the experience to provide the latest in 3D Laser Scanning - High Definition Surveying, Geodetic Control, PLSS Retracement, Hydrographic, Cadastral, Photogrammetric Control, Right-of-Way and Construction Surveys. We also have personnel and equipment to determine tidal datum's and water boundary lines and can provide expert witness testimony. Through the utilization of our Global Positioning System, 3D Laser Scanner and total stations with state-of-the-art data collectors, our survey data can be imported into a CADD environment which can be plotted or transferred to our clients via e-mail or on CD/DVD. CTA continues to refine and adapt CADD and GIS to a broad spectrum of uses. This blend of high technology with personalized service forms the core of every CTA project. CTA's equipment includes the Hydrolite-TM for its portability and Hydrographic survey solutions. We find that the use of this product provides us with flexibility for getting into areas that require smaller more versatile boats and still provides the accuracy from our Trimble Survey grade receivers. CTA provides leadership in the surveying industry by providing educational opportunities to its employees and supporting the Florida Society of Professional Land Surveyors State and Local Chapters. We have had five Chapter Presidents, three State Presidents and three Directors. Our personnel have served on numerous committees and have provided Chairmen to twelve major State Committees. CTA is dedicated to providing quality surveys and is meeting the challenge of today's changing times by innovative techniques that not only reduce the cost of field and office work and increases the accuracy over the methods previously accepted in the industry.

CTA's GIS project experience includes the Broward County Regional Reuse Water Master Plan through Broward County Natural Resources Department, the Town of Davie Transit Oriented Corridor (TOC) Stormwater Master Plan, Fire Hydrant Maintenance Program for the City of Sunrise, the City of North Miami Beach Water & Sewer, and Commercial Stormwater assessment GIS database for the City of Oakland Park. In addition, CTA (working with their sub-consultants) developed high resolution LiDAR and mobile LiDAR to create surveying level topography and digital terrain models for a Master Stormwater Study for Hallandale Beach, roadway/infrastructure improvements for Lake Worth, and water main installation plans for Plantation.



TAB 4 - OTHER COMPLETED DOCUMENTS

Sub-Consultants

The Chappell Group, Inc. – Environmental Studies and Arborists

Contact Information:

Ms. Sarah Chappell, President
 Chappell Group, Inc.
 714 East McNab Road
 Pompano Beach, Florida 33060
 Phone: (954) 782-1908
 Email: sarah@thechappellgroup.com

Company Overview:



▪ Environmental Permitting

For over 13 years, TCG has provided environmental permitting services for various projects, project phases and permit compliance. TCG coordinates with various local, State, and Federal agencies during the pre-application process, the permitting processes, and the compliance phase. TCG has experience with agencies such as United States Army Corps of Engineers, South Florida Water Management District, Florida Department of Environmental Protection, Florida Game and Freshwater Fish Commission, and United States Fish and Wildlife Service.

▪ Environmental Impact Statements

TCG has performed various Environmental Impact Assessments in accordance with N.E.P.A. requirements. These studies involve a wide range of issues including social, economic, cultural, historical, natural, and physical impact evaluations. Some issues considered during these studies are contamination, wetlands, water quality, air quality, noise, endangered species, archeological, and historical sites.

▪ Environmental/Construction Coordination:

TCG is a certified DBE/MBE/CBE/SBE firm that covers the specialized fields of wetlands delineation, marina and wetland permitting, marina design, wetland mitigation, and monitoring; threatened and endangered species surveys and habitat management plans; environmental impact assessments; Phase I environmental site assessments; benthic surveys; and all forms of environmental permitting and compliance for Federal, State, and local agencies. In this regard, TCG is unique because engineering, environmental, regulatory, scientific, and operational field expertise are available for multi-disciplinary projects. TCG has successfully developed plans and obtain permits from the appropriate governmental agencies including Florida Department of Environmental Protection, Army Corps of Engineers, South Florida Water Management District, Florida Fish and Wildlife Conservation Commission, U.S. Fish and Wildlife Service, and many County Environmental Regulatory agencies throughout the State of Florida for a wide variety of projects. TCG has numerous projects ongoing with municipalities around the State of Florida and has successfully coordinated projects through the permitting, design, and implementation stages of their respective capital projects.



TAB 4 - OTHER COMPLETED DOCUMENTS

HBC Engineering Company – Traffic Studies / Traffic Signals

Contact Information:

Mr. Adebayo Coker, P.E., Project Manager
 HBC Engineering Company
 13155 SW 134th Street, Suite 207
 Miami, Florida 33186
 Phone: (305) 232-7932
 Email: acoker@hbcengineeringco.com



Company Overview:

HBC was founded in 2006 to provide full-service, multi-disciplinary consulting, planning and transportation engineering services to public and private sector clients. HBC offers one of the most highly qualified and experienced traffic engineering teams in South Florida. HBC's expertise and experience are rooted in the fundamentals of traffic engineering, and we provide a full range of services, including concurrency and growth management studies, traffic calming, municipal reviews, site-specific traffic impact and parking studies, interchange justification and modification reports, traffic safety studies, land use plan amendments, signal warrant studies, and transportation planning and traffic forecasting for major infrastructural works such as airports, seaports and transit terminals, new developments and sub-divisions, and large-scale developments for public agencies including the Florida Department of Transportation, Miami-Dade County, City of Marathon, as well as numerous private sector clients. As roadway widening is no longer seen as the only solution to resolving congestion on Florida's roads, our traffic engineering team has also developed expertise in multimodal corridor studies, arterial investment studies, access management, travel demand management, system improvements, and transportation enhancements that provide balanced approaches to enhancing the mobility needs of communities. Additionally, it includes seasoned PD&E professionals whose traffic engineering experience adds a valuable dimension to the team. The combination of skills and balancing of engineering and community goals have enabled the team to succeed with developing context-sensitive designs for private commercial/residential developments, neighborhoods and university campus circulation systems. All in-house modeling and forecasting assignments utilize the latest industry software and computer applications, including FSUTMS, CORSIM and VISSIM for network simulations, and Synchro, CORSIM, and HCS for intersection and corridor system analysis as well as the LOS Plan software suite developed by the Florida Department of Transportation (FDOT).



TAB 4 - OTHER COMPLETED DOCUMENTS

MUEngineers, Inc. – Structural Engineering

Contact Information:

Mr. Marcus Unterweger, P.E., SI LEED AP, President
 MUEngineers, Inc.
 3440 NE 12th Avenue
 Oakland Park, Florida 33334
 Phone: (954) 324-4730
 Email: munterweger@muengineers.com



Company Overview:

MUEngineers, Inc. is a full service, dynamic structural engineering and inspection firm based in Fort Lauderdale, Florida. We provide services to commercial, industrial, legal and residential clients for projects of all types and sizes. We are committed to providing innovative, sustainable and high quality design solutions to meet and exceed our clients' expectations and needs. We select our structural systems creatively with the project budget, constructability, and local construction techniques and methods in mind. We provide competent, practical, economical and sustainable solutions by:

- staying in close contact with our clients
- staying at the forefront of engineering technologies
- supplementing our extensive experience, creativity and open minds with state of the art analysis, design and CAD software
- demonstrating our solutions in a quality set of construction documents
- saving our clients time and money
- focusing on the ultimate goal our clients' needs and the overall success of the project.

MUEngineers, Inc. was founded in 2010 by Marcus Unterweger. He holds a Master's degree in structural engineering, an MBA and is a LEED accredited professional. He is a registered professional engineer, a Florida-certified special/threshold inspector and has been practicing engineering at one of the leading national engineering firms in Florida since 1999, managing one of the local offices for more than 5 years. His varied design experience includes work with: educational facilities, municipal facilities, high rise buildings, healthcare facilities, churches, office buildings, pedestrian bridges, parking garages and more. Mr. Unterweger founded MUEngineers, Inc. with the goal of providing exceptional, highly efficient structural engineering and inspection services to local architects, owners and contractors.

Services MUE offers:

- structural design and analysis of new construction
- evaluation of existing building, and assessment of existing conditions
- additions to existing structures
- repair, renovation and restoration of existing structures
- specialty engineering / shop drawings
- peer reviews, feasibility studies and valueengineering services



TAB 4 - OTHER COMPLETED DOCUMENTS

- 40 year structural recertification inspections
- threshold inspections, special inspections and due diligence inspections
- turnover studies
- review / evaluation of existing buildings and assessment of existing conditions
- forensic engineering
- emergency response
- expert witness and litigation support

Electrical Design Associates, Inc. – Electrical Eng., Lighting, Lift Station Electrical & SCADA

Contact Information:

Ms. Lillian Reyes, P.E., President
 Electrical Design Associates, Inc.
 8401 Lake Worth Road, Suite 221
 Lake Worth, Florida 33467
 Phone: (561) 819-5556
 Email: lreyes@goeda.com



Electrical Design Associates
INC.

Company Overview: Electrical Design Associates, Inc. (EDA) is a small sized consulting engineering firm specializing in electrical, instrumentation, power source design, and roadway lighting design incorporated in September 1998. EDA provides consulting engineering services to both the public and private sectors. EDA is a Certified Minority/ Women Business Enterprise with offices in Palm Beach, Hillsborough and Orange Counties. Their present staff includes registered engineers, graduate engineers, instrumentation designers, CADD technicians, and one field superintendent. EDA's staff experience includes municipal lighting projects, roadway lighting improvements, including recreational facilities, active and passive facilities throughout the State for several municipalities including but not limited to the City of Deerfield Beach, Village of Wellington, Port St. Lucie, Palm Beach County, Parkland, the City of Fort Lauderdale, Miramar, Pompano Beach, City of Sunrise, Martin County, Miami-Dade County, Lake Mary, North Miami Beach, Daytona Beach, the Town of Davie, Miami Beach, FDOT, as well as Florida Atlantic University. EDA is staffed to provide electrical and instrumentation engineering services from inception through design, bid, and construction completion.

TAB 4 - OTHER COMPLETED DOCUMENTS

Bailey Engineering Consultants, Inc. – Controls Instrumentation for Lift Stations

Contact Information:

Mr. Stephen Bailey, P.E., President
Bailey Engineering Consultants
10620 Griffin Road, Suite 202
Cooper City, Florida 33328
Phone: (954) 448-7930
Email: sbailey@baileyengineering.com



Company Overview:

Bailey Engineering Consultants, Inc. (BEC) is a multi-disciplined consulting engineering firm specializing in electrical, instrumentation, SCADA and HVAC/Plumbing system designs for Water and Wastewater projects. BEC provides consulting engineering services to the public and private sectors with preferential services for municipal and governmental clients.

Incorporated in 1992, BEC is a second-generation consulting engineering firm with offices in Cooper City, Lake Worth and Orlando, Florida. BEC's wastewater treatment plant design experience is diverse. Clients include City of Daytona Beach, City of Sanford, The Villages, Volusia County and Marion County. Process designs include 5 stage BNR, Membrane Treatment and extended processes.

BEC's electrical distribution system experience covers from low voltage applications up to medium voltage 13 KV distribution system designs. BEC is currently implement "smart" designs on projects and utilize data highways as a means to communicate to motor starters, variable frequency drives and motor monitoring equipment. BEC integrates data highway systems seamlessly and reliably into plant control system insuring the end user of a fully redundant powerful power communication architecture.

Instrumentation systems design experience includes experience in state of the art HMI/PLC based control systems. This experience encompasses computers, networking and programming.

To reinforce emphasis on quality, the company has complex project designs reviewed by independent companies. BEC interfaces with designers from complimentary disciplines during the design process to review designs and to assist in the preparation of design drawings and specifications for specific project needs.

BEC's staff's electrical experience includes electrical and instrumentation system designs for industrial plants, specifically Water and Wastewater Treatment Facilities located throughout the state of Florida.

TAB 4 - OTHER COMPLETED DOCUMENTS

GPI Geospatial, Inc. - Photogrammetry & LiDAR

Contact Information:

Steve Kuda, P.S.M., Senior Vice President
GPI Geospatial, Inc.
423 S. Keller Road, Suite 300
Orlando, Florida 32810
Phone: (407) 931-0889
Email skuda@gpinet.com



Company Overview: GPI is a premier mapping firm for all forms of transportation in North America. GPI's mission is to map the foundation for infrastructure improvements that enhance the connectivity between people and communities. GPI's vision is to be the most trusted provider of precision mapping, imagery, LiDAR, and surveying services within the transportation, planning, design, construction, and government communities.

InfraMap Corp. - Subsurface Utility Locates

Contact Information:

Mr. Andres Garcia, Utility Location Manager, ULM
InfraMap Corp
1860 Old Okeechobee Road, #201
West Palm Beach, Florida 33409
Phone: (561) 586-0790
Email: agarcia@Inframap.net



Company Overview: InfraMap is a leading provider of Utility Infrastructure Mapping and Subsurface Utility Engineering (S.U.E.) services. InfraMap collects utility infrastructure data in the field using sophisticated geophysical techniques and instrumentation (including GPR), with automated data collection gear and state of the art survey equipment. InfraMap then merges this information onto their client's base mapping in their desired format. They collect and present this data to aid their clients in reducing the design and construction cost of major infrastructure projects.

Founded in 1987, InfraMap is a utility infrastructure mapping specialist. Their clients are State and Local Transportation Departments, Airports, Port Authorities and Utilities. InfraMap has performed some of the largest utility mapping projects ever undertaken by any firm. InfraMap has the resources to perform and deliver multiple large-scale projects on time, throughout the United States, as evidenced by their past and recent performance.



TAB 4 - OTHER COMPLETED DOCUMENTS

Absolute Civil Engineering Solutions – Geotechnical & Testing

Contact Information:

Ms. Tiffany Leal, President
Absolute Civil Engineering Solutions, LLC
4121 SW 47th Avenue, Suite 1319
Davie, Florida 33314
Phone: (954) 349-8797
Email Address: tleal@absoluteces.com



Company Overview: Absolute Civil Engineering Solutions (ACES) is a Certified M/WBE firm offering a full range of engineering and testing services from pre-construction through post-construction. On a daily basis, ACES provides consulting services to both the private and public sector, including: owners, developers, architects, general contractors, property management companies, school boards, Departments of Transportation and municipalities. At ACES, they are focused on knowing their Clients' project goals, helping create cost savings and communicating effectively. As ACES progresses through their work assignments, they continually keep their clients updated on project findings. ACES is communication oriented, with positive, action-oriented attitudes. The mission of ACES' principals is to continue growing a geotechnical, environmental and construction materials testing consulting firm that listens to their Clients, develops a clear understanding of their Clients' needs and goals, and tailors its services to meet those needs in a quality, timely, and cost-effective manner. Simply stated, ACES' goal is to be the leader in their profession and to set the standards that other consultants in their industry strive to obtain. Based on feedback from their Clients, ACES has and continues to meet and exceed their expectations. The people who makeup ACES are truly some of the best engineers and technical professionals in the industry. Experience, technical ability and commitment to Client service from each and every staff member of ACES are the simple secrets to their success.



TAB 4 - OTHER COMPLETED DOCUMENTS

Masuen Consulting - Irrigation Designers

Contact Information:

Ms. Michele Masuen, President
 Masuen Consulting, LLC
 32801 Highway 441 N. #293
 Okeechobee, Florida 34972
 Phone: (866) 928-1533, Extension 114
 Email: michele@masuenconsulting.com



Company Overview: Masuen Consulting LLC, is an Outdoor Water Management and Sustainability Consulting firm comprised of landscape architects, horticulturalists, agronomists, agricultural engineers, water resource engineers, environmental engineers, irrigation designers, landscape designers, site planners, and construction/project managers. The firm is dedicated to providing clients with services focused on **water conservation, resource & cost sustainability, operational efficiencies, regulatory compliance, and exemplary service**. Everything Masuen Consulting LLC delivers is the result of a critical thinking, 'out of the box', oriented mindset guided by a senior management team with over eighty-five (85) years of combined experience in the landscape, golf, government, and agricultural industries.

The consulting firm was created with the sole focus of bringing science based, field verified solutions to the Landscape, Golf, Government, and Agricultural marketplaces. As industry professionals with expertise in soils, plants, water, hydraulics, design theory, water shed analysis and management, and construction/project management, we develop and implement successful 'holistic' outdoor water management solutions to meet each client's unique needs.

Masuen Consulting has been providing **proven solutions to real world problems in the outdoor water management and sustainability arenas** for almost twenty (20) years. The company consists of three divisions; 1) Design, 2) Technical Consulting and 3) Water Management. Masuen Consulting, LLC offers its services throughout the United States and overseas. Masuen has offices in Florida, Georgia, Texas, and Washington State.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/29/2018

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

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

PRODUCER Corporate Insurance Advisors 1401 E Broward Blvd Suite 103 Ft. Lauderdale	FL 33301	CONTACT NAME: Angela Nervi-Saketkoo	
		PHONE (A/C, No. Ext): (954)315-5000	FAX (A/C, No): (954)315-5050
		E-MAIL ADDRESS: ANervi@ciafl.net	
		INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A: Hartford Fire Insurance Co.	19682
INSURED Craven Thompson & Associates, Inc. 3563 NW 53rd Street Fort Lauderdale	FL 33309	INSURER B: Hartford Property & Casualty	34690
		INSURER C: Hartford Casualty Insurance Company	29424
		INSURER D: Hartford Ins Co of the Southea	38261
		INSURER E: Continental Casualty Co.	20443
		INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 18-19 WC,PL; 1718GL

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 INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input checked="" type="checkbox"/> PRO- JECT <input type="checkbox"/> LOC <input checked="" type="checkbox"/> OTHER: Contractual Liab		21UUNZP1507	12/01/2017	12/01/2018	EACH OCCURRENCE	\$ 1,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence)					\$ 300,000	
	MED EXP (Any one person)					\$ 10,000	
	PERSONAL & ADV INJURY					\$ 1,000,000	
	GENERAL AGGREGATE					\$ 2,000,000	
	PRODUCTS - COMP/OP AGG					\$ 2,000,000	
	Employee Benefits					\$ 1,000,000	
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY		21UENHF3705	12/01/2017	12/01/2018	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	BODILY INJURY (Per person)					\$	
	BODILY INJURY (Per accident)					\$	
	PROPERTY DAMAGE (Per accident)					\$	
	Uninsured motorist					\$ 1,000,000	
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000		21XHUZP1253	12/01/2017	12/01/2018	EACH OCCURRENCE	\$ 6,000,000
	AGGREGATE					\$ 6,000,000	
						\$	
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 <input type="checkbox"/> N N / A	21WBAT3534	01/01/2018	01/01/2019	<input checked="" type="checkbox"/> PER STATUTE	OTH- ER
	E.L. EACH ACCIDENT					\$ 1,000,000	
	E.L. DISEASE - EA EMPLOYEE					\$ 1,000,000	
	E.L. DISEASE - POLICY LIMIT					\$ 1,000,000	
E	Professional Liability		AEH59198336	03/30/2018	03/30/2019	Each Claim	\$2,000,000
	Aggregate					\$4,000,000	
	Deductible					\$35,000	

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

CERTIFICATE HOLDER	CANCELLATION
For Proposals Purposes Only	<p>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</p>



**SCRUTINIZED COMPANY CERTIFICATION
PURSUANT TO FLORIDA STATUTE § 287.135.**

I, Patrick J. Gibney, P.E., V.P., Eng., on behalf of Craven, Thompson & Associates, Inc.
 Print Name and Title Company Name

certify that Craven, Thompson & Associates, Inc. :
 Company Name

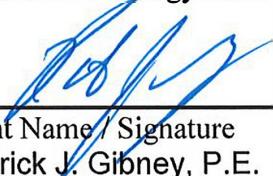
1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City's determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City's determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over \$1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

Craven, Thompson & Assoc.
 Company Name


 Print Name / Signature
Patrick J. Gibney, P.E.

Vice President, Engineering
 Title

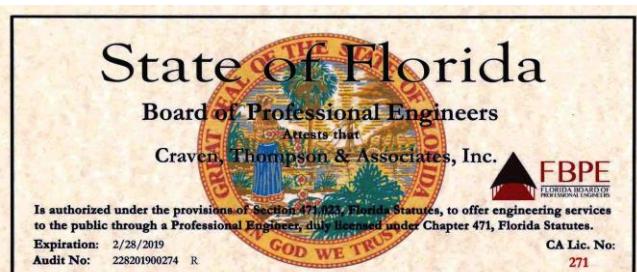
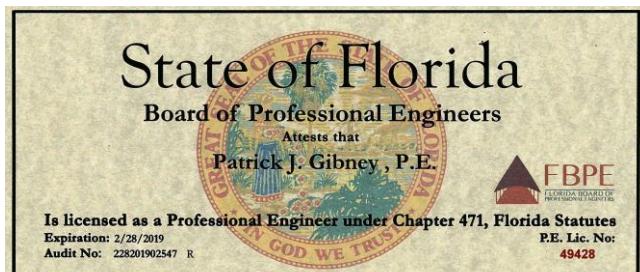
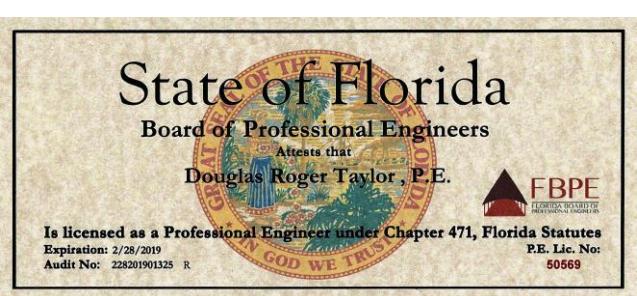
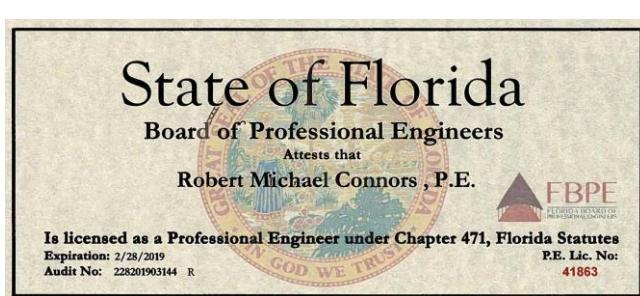
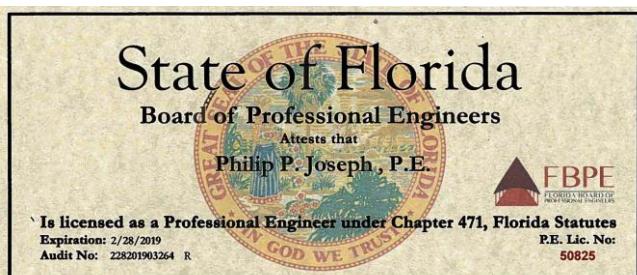
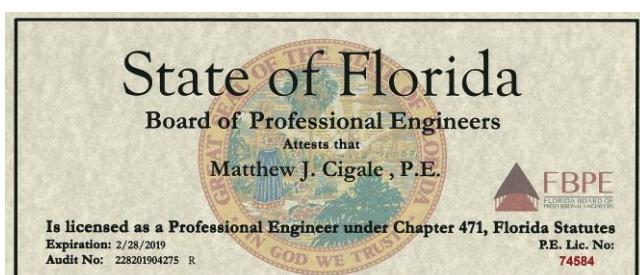
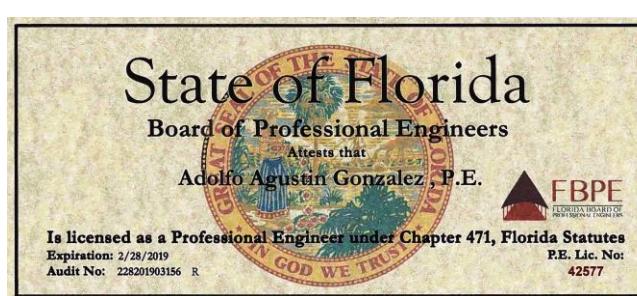
Tab 5
Professional Registration
Certificates



TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

PROFESSIONAL LICENSES / CERTIFICATIONS

Craven Thompson & Associates, Inc.

 <p>State of Florida Board of Professional Engineers Attests that Craven, Thompson & Associates, Inc. Is authorized under the provisions of Section 471.022, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes. Expiration: 2/28/2019 Audit No: 22820190274 R P.E. Lic. No: 271</p>	 <p>State of Florida Board of Professional Engineers Attests that Patrick J. Gibney, P.E. Is licensed as a Professional Engineer under Chapter 471, Florida Statutes Expiration: 2/28/2019 Audit No: 228201902547 R P.E. Lic. No: 49428</p>
 <p>State of Florida Board of Professional Engineers Attests that Douglas Roger Taylor, P.E. Is licensed as a Professional Engineer under Chapter 471, Florida Statutes Expiration: 2/28/2019 Audit No: 228201901325 R P.E. Lic. No: 50569</p>	 <p>State of Florida Board of Professional Engineers Attests that Robert Michael Connors, P.E. Is licensed as a Professional Engineer under Chapter 471, Florida Statutes Expiration: 2/28/2019 Audit No: 228201903144 R P.E. Lic. No: 41863</p>
 <p>State of Florida Board of Professional Engineers Attests that Philip P. Joseph, P.E. Is licensed as a Professional Engineer under Chapter 471, Florida Statutes Expiration: 2/28/2019 Audit No: 228201903264 R P.E. Lic. No: 50825</p>	 <p>State of Florida Board of Professional Engineers Attests that Matthew J. Cigale, P.E. Is licensed as a Professional Engineer under Chapter 471, Florida Statutes Expiration: 2/28/2019 Audit No: 228201904275 R P.E. Lic. No: 74584</p>
 <p>State of Florida Board of Professional Engineers Attests that Adolfo Agustin Gonzalez, P.E. Is licensed as a Professional Engineer under Chapter 471, Florida Statutes Expiration: 2/28/2019 Audit No: 228201903156 R P.E. Lic. No: 42577</p>	
<p>Florida Department of Agriculture and Consumer Services Division of Consumer Services Board of Professional Surveyors and Mappers 2005 Apalachee Parkway Tallahassee, Florida 32399-6500</p> <p>Professional Surveyor and Mapper Business License Under the provisions of Chapter 472, Florida Statutes</p> <p>CRAVEN-THOMPSON & ASSOC, INC 3563 NW 53RD ST FT LAUDERDALE, FL 33309-6311</p> <p>ADAM H. PUTNAM COMMISSIONER OF AGRICULTURE</p> <p>This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.</p>	<p>License No.: LB271 Expiration Date February 28, 2019</p> <p>RICHARD D PRYCE 13901 SW 26TH ST DAVIE, FL 33325-5006</p> <p>ADAM H. PUTNAM COMMISSIONER OF AGRICULTURE</p> <p>This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.</p>

CITY OF PEMBROKE PINES – SOLICITATION PSEN-18-02
PROFESSIONAL SERVICE PROVIDERS (ARCHITECTURAL, ENGINEERING, SURVEYING & MAPPING)





TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

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

License No.: **LS6559**
Expiration Date February 28, 2019

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

NICHOLAS MESSINA JR
3563 NW 53RD ST
FORT LAUDERDALE, FL 33309-6311

[Signature]

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

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

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

License No.: **LS4343**
Expiration Date February 28, 2019

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

DOUGLAS M DAVIE
18360 103RD TRL S
BOCA RATON, FL 33498-1659

[Signature]

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

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

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

License No.: **LS4387**
Expiration Date February 28, 2019

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

THOMAS C SHAHAN
2700 NE 10TH AVE
POMPANO BEACH, FL 33064-6302

[Signature]

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

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

RICK SCOTT, GOVERNOR

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

LICENSE NUMBER
LC0000114

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

CRAVEN, THOMPSON & ASSOC INC
3563 NW 53RD ST
FT LAUDERDALE FL 333096311

[Signature]

ISSUED: 11/06/2017 DISPLAY AS REQUIRED BY LAW SEQ # L1711060001561

RICK SCOTT, GOVERNOR

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

LICENSE NUMBER
LA0001368

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

HANDLEY, JOSEPH DAVIS
3470 NE 17 TERRACE
OAKLAND PARK FL 33334

[Signature]

ISSUED: 11/06/2017 DISPLAY AS REQUIRED BY LAW SEQ # L1711060001547

RICK SCOTT, GOVERNOR

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

LICENSE NUMBER
LA66693937

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

SCHULTZ, DOUGLAS JAMES
4103 NW 58TH DRIVE
COCONUT CREEK FL 33073

[Signature]

ISSUED: 11/14/2017 DISPLAY AS REQUIRED BY LAW SEQ # L1711140001800

RICK SCOTT, GOVERNOR

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

LICENSE NUMBER
LA5669376

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

PEAVLER, SCOTT WADE
1874 NW 45TH COURT
TAMARAC FL 33309

[Signature]

ISSUED: 11/12/2017 DISPLAY AS REQUIRED BY LAW SEQ # L1711120002082

RICK SCOTT, GOVERNOR

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

LICENSE NUMBER
LA6667250

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

ROTHENBERGER, CALEB J
333 NW 47TH STREET
OAKLAND PARK FL 33309

[Signature]

ISSUED: 11/16/2017 DISPLAY AS REQUIRED BY LAW SEQ # L1711160001721

TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS



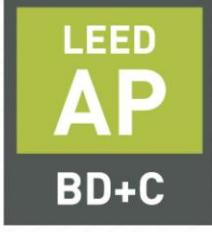
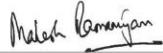


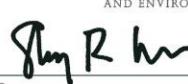
TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS





TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

	<p>GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT Douglas Schultz HAS ATTAINED THE DESIGNATION OF LEED AP® Building Design + Construction by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED green building program.</p>
<p>10445923-AP-BD+C CREDENTIAL ID</p> <p>11 AUG 2011 ISSUED</p> <p>09 AUG 2019 VALID THROUGH</p>	 <p>MAHESH RAMANUJAN PRESIDENT & CEO, U.S. GREEN BUILDING COUNCIL PRESIDENT & CEO, GREEN BUSINESS CERTIFICATION INC.</p>

	<p>HEREBY CERTIFIES THAT Caleb Rothenberger HAS ACHIEVED THE DESIGNATION OF LEED® ACCREDITED PROFESSIONAL BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICE REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™.</p>
 Chairman	 Peter Templeton, President
<p>June 14, 2009 Date Issued</p>	



TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS



Florida Department of Transportation

RICK SCOTT
GOVERNOR605 Suwannee Street
Tallahassee, FL 32399-0450MIKE DEW
SECRETARY

June 29, 2018

Thomas McDonald, President
CRAVEN, THOMPSON & ASSOCIATES, INC.
3563 NW 53rd Street
Fort Lauderdale, Florida 33309

Dear Mr. McDonald:

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

- Group 3 - Highway Design - Roadway
 - 3.1 - Minor Highway Design
 - 3.2 - Major Highway Design
- Group 8 - Survey and Mapping
 - 8.1 - Control Surveying
 - 8.2 - Design, Right of Way & Construction Surveying
- Group 10 - Construction Engineering Inspection
 - 10.1 - Roadway Construction Engineering Inspection
- Group 15 - Landscape Architect

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2019 for contracting purposes.

Approved Rates

Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
150.71%	0.002%	Reimbursed	No	0.00%

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell
Professional Services
Qualification Administrator

www.fdot.gov

TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

State of Florida Department of State

I certify from the records of this office that CRAVEN, THOMPSON & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on January 1, 1962.

The document number of this corporation is 254407.

I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on January 16, 2018, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Sixteenth day of January, 2018*



Ken Detjen
Secretary of State

Tracking Number: CC1640127508

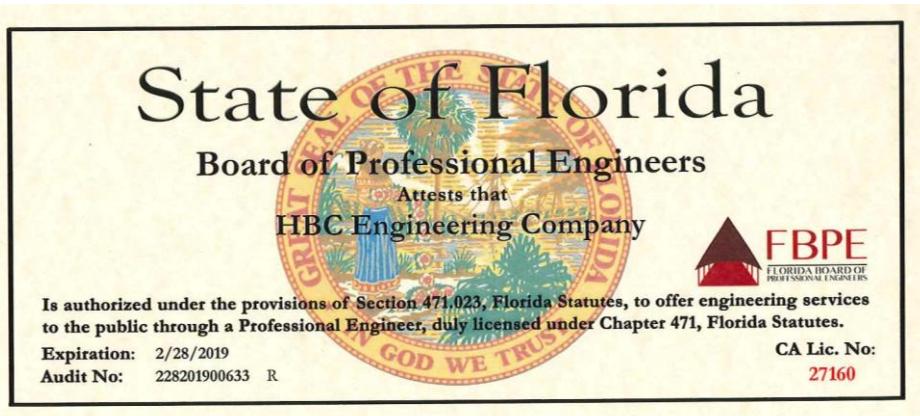
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<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

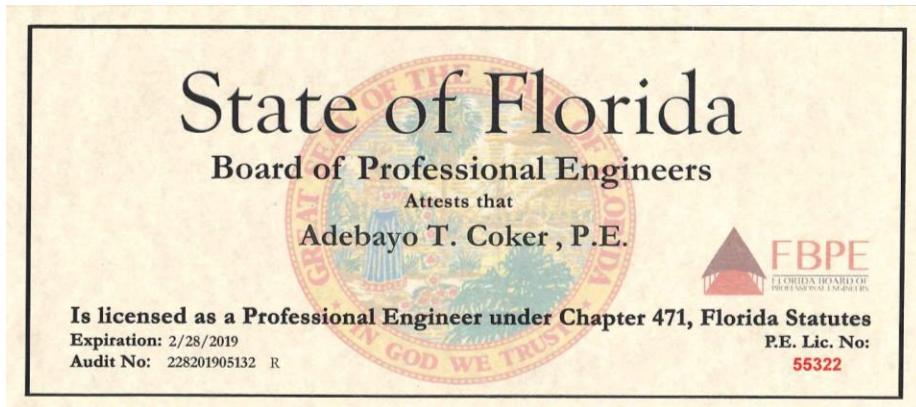


TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

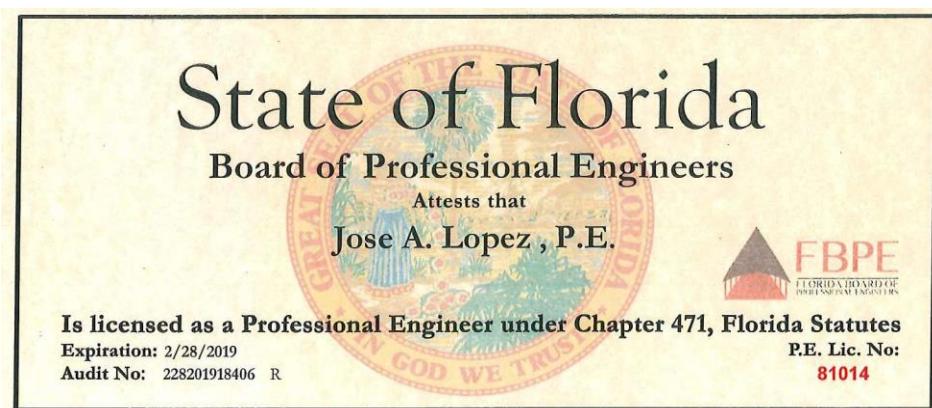
Subconsultant - HBC Engineering - Traffic Studies / Traffic Signals



DBPR - OSBORNE, GERARD A., Professional Engineer	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=FCBDF4AA4064D38D2B...
11:50:45 AM 1/19/2018	
Licensee Details	
Licensee Information	
Name:	OSBORNE, GERARD A. (Primary Name)
Main Address:	15882 SW 65 TERRACE MIAMI Florida 33193
County:	DADE
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	81522
Status:	Current,Active
Licensure Date:	07/05/2016
Expires:	02/28/2019
Special Qualifications	Qualification Effective
Civil	07/05/2016
Alternate Names	



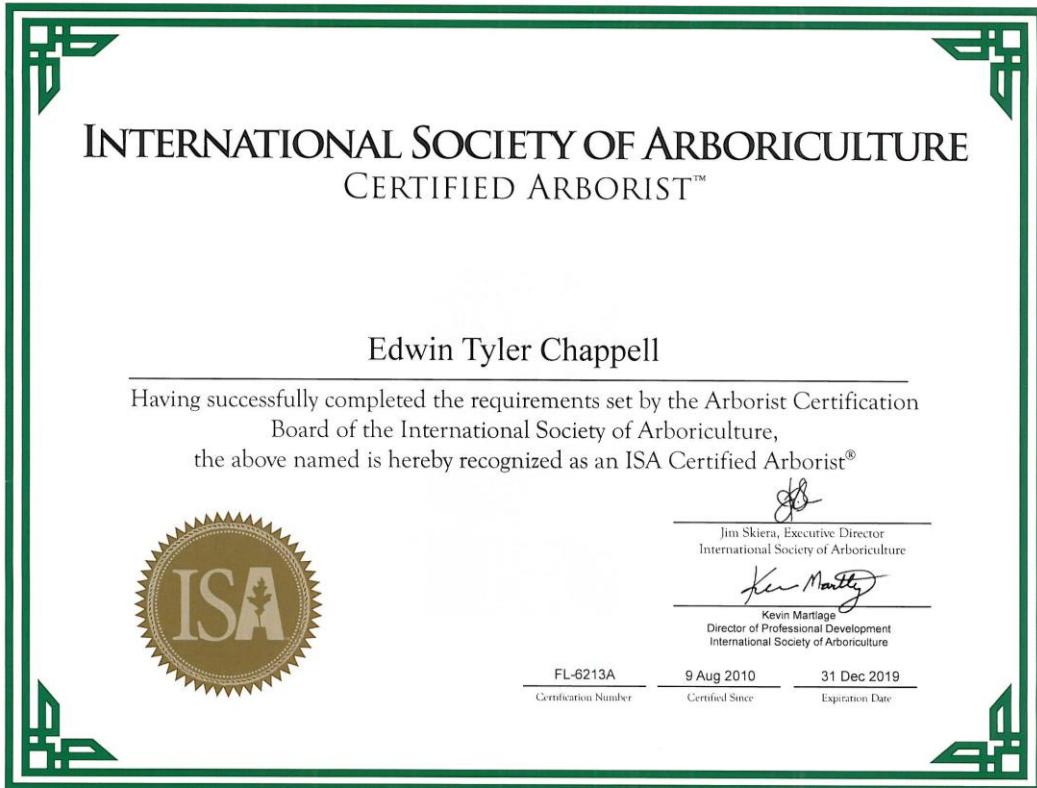
TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS





TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

The Chappell Group, Inc.



TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

State of Florida *Department of State*

I certify from the records of this office that THE CHAPPELL GROUP, INC. is a corporation organized under the laws of the State of Florida, filed on April 14, 2005.

The document number of this corporation is P05000055901.

I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on March 8, 2018, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Eighth day of March, 2018*



Ken Detzner
Secretary of State

Tracking Number: CC0202179544

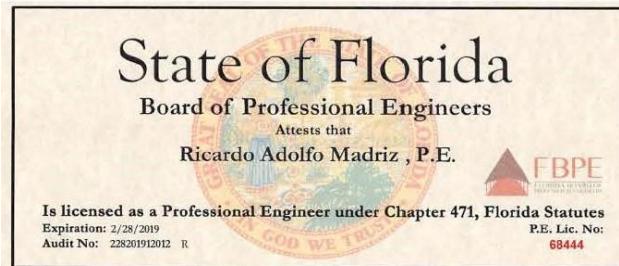
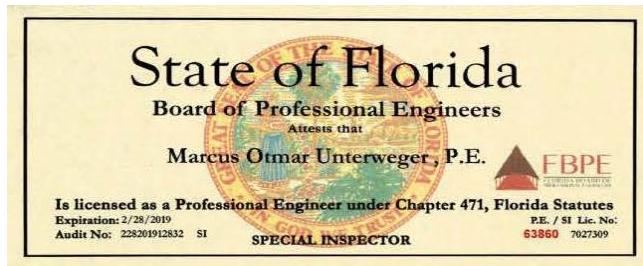
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

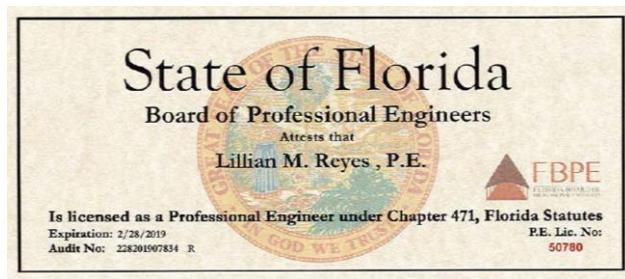
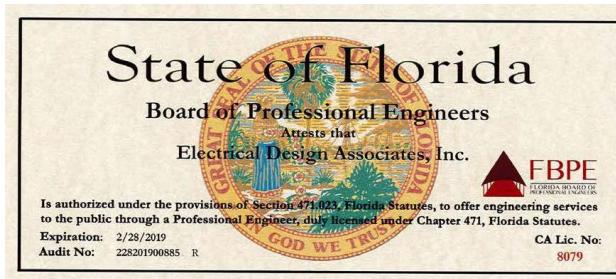
MUEngineers, Inc. – Structural Engineering





TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

Electrical Design Associates, Inc. – Lighting & Electrical Power Source



State of Florida Department of State

I certify from the records of this office that ELECTRICAL DESIGN ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on October 8, 1998.

The document number of this corporation is P98000086834.

I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on January 12, 2018, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twelfth day of January, 2018*



Ken Detmer
Secretary of State

Tracking Number: CC1791175584

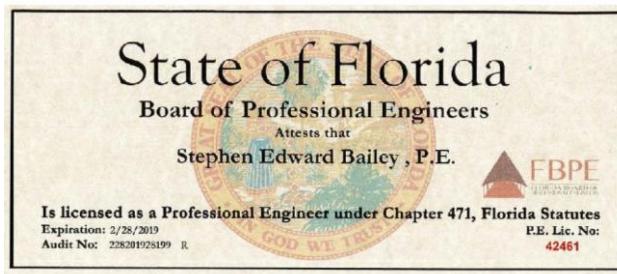
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

Bailey Engineering Consultants, Inc. – Controls Instrumentation for Lift Stations





TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

GPI Geospatial, Inc. – Photogrammetry & LiDAR



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

License No.: **LB6748**
 Expiration Date February 28, 2019

Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

GPI GEOSPATIAL, INC.
 423 S KELLER RD STE 300
 ORLANDO, FL 32810-6132


 ADAM H. PUTNAM
 COMMISSIONER OF AGRICULTURE

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



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

License No.: **LS6766**
 Expiration Date February 28, 2019

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

MATTHEW ROBERT LALUZERNE
 423 S KELLER RD STE 300
 ORLANDO, FL 32810-6132


 ADAM H. PUTNAM
 COMMISSIONER OF AGRICULTURE

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



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

License No.: **LS6631**
 Expiration Date February 28, 2019

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

IARELIS D HALL
 1345 GOLF COURSE DR
 APOPKA, FL 32712-2122


 ADAM H. PUTNAM
 COMMISSIONER OF AGRICULTURE

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

TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

State of Florida Department of State

I certify from the records of this office that GPI GEOSPATIAL, INC. is a corporation organized under the laws of the State of Florida, filed on December 29, 2003.

The document number of this corporation is P04000000100.

I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on January 16, 2018, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Sixteenth day of January, 2018*



Ken Detmer

Secretary of State

Tracking Number: CC5205921204

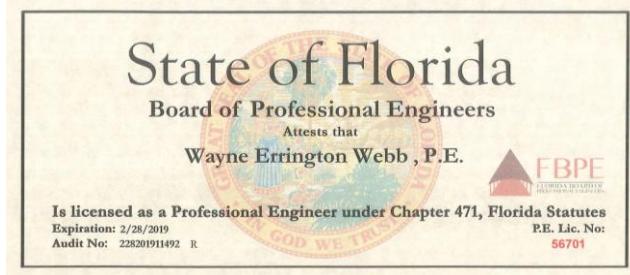
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

Absolute Civil Engineering Solutions, LLC – Geotechnical Engineering & Testing



State of Florida Department of State

I certify from the records of this office that ABSOLUTE CIVIL ENGINEERING SOLUTIONS, LLC is a limited liability company organized under the laws of the State of Florida, filed on May 6, 2011, effective May 1, 2011.

The document number of this limited liability company is L11000054398.

I further certify that said limited liability company has paid all fees due this office through December 31, 2018, that its most recent annual report was filed on February 15, 2018, and that its status is active.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Fifteenth day of February,
2018*



Ken Detmer
Secretary of State

Tracking Number: CC6719747517

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

<https://services.sumbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

Subconsultant - InfraMap Corp.

	Florida Department of Agriculture and Consumer Services Division of Consumer Services Board of Professional Surveyors and Mappers 2005 Apalachee Pkwy Tallahassee, Florida 32399-6500	License No.: LB6666 Expiration Date February 28, 2021
Professional Surveyor and Mapper Business License Under the provisions of Chapter 472, Florida Statutes		
INFRAMAP CORP 1860 OLD OKEECHOBEE ROAD #201 WEST PALM BEACH, FL 33409		 ADAM H. PUTNAM COMMISSIONER OF AGRICULTURE
This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.		

<p><i>State of Florida Department of State</i></p> <p>I certify from the records of this office that INFRAMAP CORP. is a Delaware corporation authorized to transact business in the State of Florida, qualified on October 6, 1994.</p> <p>The document number of this corporation is F94000005189.</p> <p>I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on January 2, 2018, and that its status is active.</p> <p>I further certify that said corporation has not filed a Certificate of Withdrawal.</p> <p><i>Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Second day of January, 2018</i></p> <p> <i>Ken Detmer</i> Secretary of State</p> <p>Tracking Number: CC8470014968 To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed. https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication</p>	
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TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

Masuen Consulting, LLC – Irrigation Design



GREEN BUILDING CERTIFICATION INSTITUTE

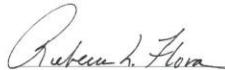
HEREBY CERTIFIES THAT

Judy Jensen

HAS ACHIEVED THE DESIGNATION OF

LEED® ACCREDITED PROFESSIONAL

BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICE
REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY
AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™.



Chairman

May 9, 2008
Date Issued



S. Richard Fedrizzi, President and CEO



Printed on 50% bamboo fibers / 50% post-consumer fibers with vegetable based inks.



TAB 5 - PROFESSIONAL REGISTRATION CERTIFICATIONS

2018 FLORIDA LIMITED LIABILITY COMPANY ANNUAL REPORT

DOCUMENT# L04000000183

Entity Name: MASUEN CONSULTING, LLC**Current Principal Place of Business:**32801 HWY 441 N
#293
OKEECHOBEE, FL 34972**Current Mailing Address:**642 YATES RD
NEWPORT, WA 99156 US**FEI Number:** 20-0561636

FILED

Jan 18, 2018

Secretary of State

CC9603635675

Name and Address of Current Registered Agent:WALKER, MITCHEL
32801 HWY 441 N
#293
OKEECHOBEE, FL 34972 US**Certificate of Status Desired:** Yes*The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.*

SIGNATURE: MITCHEL WALKER

01/18/2018

Electronic Signature of Registered Agent

Date

Authorized Person(s) Detail :

Title	MGRM	Title	MGRM
Name	WALKER, MITCHEL A	Name	MASUEN, MICHELE
Address	642 YATES ROAD	Address	642 YATES ROAD
City-State-Zip:	NEWPORT WA 99156	City-State-Zip:	NEWPORT WA 99156

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am a managing member or manager of the limited liability company or the receiver or trustee empowered to execute this report as required by Chapter 605, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: MITCHEL WALKER

PRESIDENT

01/18/2018

Electronic Signature of Signing Authorized Person(s) Detail

Date

Supplier: Craven Thompson & Associates, Inc.

City of Pembroke Pines

Attachment C

NON-COLLUSIVE AFFIDAVIT

BIDDER is the **Craven, Thompson & Associates, Inc.**,
(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature **Patrick J. Gibney, P.E.**

Title **Vice President, Engineering**

Name of Company **Craven, Thompson & Associates, Inc.**

Supplier: Craven Thompson & Associates, Inc.

City of Pembroke Pines

Attachment D

**SWORN STATEMENT
ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

1. This sworn statement is submitted **Craven, Thompson & Associates, Inc.** (name of entity submitting sworn statement) whose business address is **3563 N. 53rd Street, Fort Laud., FL 33309** and (if applicable) its Federal Employer Identification Number (FEIN) is **59-0948029**. (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: .)
2. My name is **Patrick J. Gibney, P.E.** and my
(Please print name of individual signing)
relationship to the entity named above is **Vice President, Engineering**.
3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a *prima facie* case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**

A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

Patrick J. Gibney, P.E.

Bidder's Name/Signature

Craven, Thompson & Associates, Inc.

Company

07/23/2018

Date

Supplier: Craven Thompson & Associates, Inc.

CONTACT INFORMATION FORM

IN ACCORDANCE WITH “RFQ # PSEN-18-02” titled “**Professional Service Providers (Architectural, Engineering, Surveying & Mapping)**” attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal.

COMPANY INFORMATION:

COMPANY: Craven, Thompson & Associates, Inc.

STREET ADDRESS: 3563 NW 53rd Street

CITY, STATE & ZIP CODE: Fort Lauderdale, Florida 33309

PRIMARY CONTACT FOR THE PROJECT:

NAME: Patrick J. Gibney, P.E. TITLE: Vice President, Engineering

E-MAIL: pgibney@craventhompson.com

TELEPHONE: (954) 739-6400 FAX: (954) 739-6409

CORPORATE OFFICER AUTHORIZED APPROVER:

NAME: Patrick J. Gibney, P.E. TITLE: Vice President, Engineering

E-MAIL: pgibney@craventhompson.com

TELEPHONE: (954) 739-6400 FAX: (954) 739-6409

SIGNATURE: Patrick J. Gibney, P.E.

Supplier: **Craven Thompson & Associates, Inc.**

PROFESSIONAL SERVICES FORM

Please check the boxes shown below that your company wants to be considered for:

<input checked="" type="checkbox"/>	General Civil and Environmental Engineering Services
<input type="checkbox"/>	Treatment Plant Process Engineering Services
<input type="checkbox"/>	Electrical Engineering Services
<input type="checkbox"/>	Geotechnical Services
<input type="checkbox"/>	Structural Engineering Services
<input checked="" type="checkbox"/>	Land Surveying Services
<input type="checkbox"/>	General Architectural Services
<input checked="" type="checkbox"/>	Landscape Architecture Services
<input type="checkbox"/>	Hydro-Geological Services
<input type="checkbox"/>	FDOT Roadway Engineering Services

Supplier: Craven Thompson & Associates, Inc.

City of Pembroke Pines

Attachment G

**EQUAL BENEFITS CERTIFICATION FORM
FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES**

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

"During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City's Code of Ordinances, and its employees with Domestic Partners and all Married Couples".

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

SECTION 1 DEFINITIONS

1. **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
2. **Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
3. **Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
4. **Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are

located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.
7. **Traditional marriage** means a marriage between one man and one woman.

SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

A. Contractor currently complies with the requirements of this section; or

B. Contractor will comply with the conditions of this section at the time of contract award; or

C. Contractor will not comply with the conditions of this section at the time of contract award:
or

D. Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):

1. The Contractor does not provide benefits to employees' spouses in traditional marriages;

2. The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;

3. The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;

4. The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME: **Craven, Thompson & Associates, Inc.**

AUTHORIZED OFFICER NAME / SIGNATURE: **Patrick J. Gibney, P.E.**

Supplier: Craven Thompson & Associates, Inc.

City of Pembroke Pines

Attachment L

**SCRUTINIZED COMPANY CERTIFICATION
PURSUANT TO FLORIDA STATUTE § 287.135**

I, **Patrick J. Gibney, Vice President, Engineering,**
Print Name and Title on behalf of **Craven, Thompson & Associates, Inc.,**
Company Name

certify that **Craven, Thompson & Associates, Inc.**
Company Name

1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City's determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City's determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over \$1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

Craven, Thompson & Associates, Inc.
Company Name

Patrick J. Gibney, P.E.
Print Name / Signature

Vice President, Engineering
Title

[3] [4]