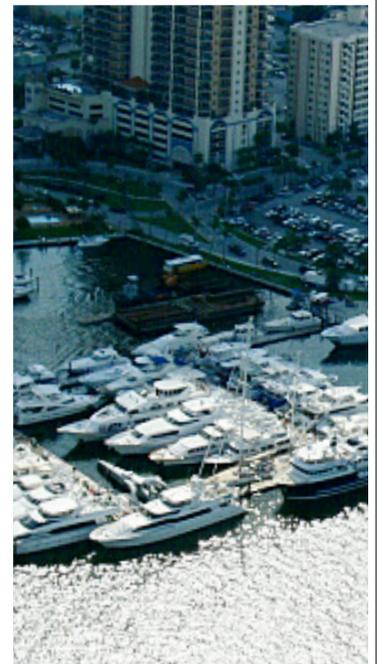


CIVIL / ENVIRONMENTAL ENGINEERING SERVICES FOR CITY OF FORT LAUDERDALE INTRACOASTAL WATERWAY - LAS OLAS MARINA DREDGING PROJECT

Prepared For: **CITY OF FORT LAUDERDALE**
100 N. Andrews Avenue, #619
Fort Lauderdale, Florida 33301

RFQ#
946-11484

Due Date/Time:
September 29, 2014
2:00 P.M.



Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

Original

EXHIBIT 7
14-1584
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SECTION 1

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SECTION 2 PROPOSAL LETTER / LETTER OF INTEREST / PROPOSAL SIGNATURE FORM

See the following pages.



September 29, 2014

Ronald Archey, Procurement Specialist
City of Fort Lauderdale, City Hall
Division of Procurement Services
100 N. Andrews Ave. Room #619
Fort Lauderdale, Florida 33301

RE: RFQ# 946-11484, Civil/Environmental Engineering Services for the City of Fort Lauderdale Intracoastal Waterway - Las Olas Marina Dredging Project

Dear Mr. Archey:

Calvin, Giordano & Associates, Inc. (CGA) and our subconsultants, Lakdas/Yohalem Engineering, Inc. (MBE), Radise International (MBE), and Cummins Cederberg, Inc. propose a team of highly qualified and experienced coastal engineering professionals. We are pleased to submit this response to the City of Fort Lauderdale outlining our approach, capabilities, experience and the benefits that we will bring to your organization and the **Las Olas Marina Dredging Project**.

CGA provides comprehensive engineering, environmental and management services to both the public and private sectors. The company's multi-disciplined waterfront team was formed to address a growing demand for planning, engineering, funding and construction management with projects located in the coastal zone. CGA's professionals have extensive hydrographic surveying, civil, coastal and environmental engineering experience.

With more than 300 professional staff members, CGA has the depth and capabilities to assist with waterfront development, water resources management, environmental assessment, coastal structure design and storm protection.

CGA is up to the challenge, with proven success navigating today's rigorous environmental protection and building requirements, always focused with a distinct forward view toward responsible and sustainable development.

Our firm is a well-established, multi-disciplinary firm with offices located in Fort Lauderdale and throughout South Florida - for over 77 years; our firm has been providing municipal consulting services to the region. With over 35 years

in coastal project engineering, permitting and management, CGA is uniquely qualified to deliver the required quality services stipulated in your RFQ's Scope of Services - our staff is 100% committed to the success of the project.

CGA's Fort Lauderdale office located at **1800 Eller Drive, Suite 600, Fort Lauderdale, FL 33316** will be the responsible office for this contract. Shelley Eichner, AICP, Senior Vice President, will serve as the Principal-In-Charge of the proposed services. David Decker, P.E., a proven leader to manage this contract, will serve as your direct contact for this contract. CGA's aforementioned sub-consultants will support our team with qualified personnel and services.

- Building Code Services
- Coastal Engineering
- Code Enforcement
- Construction Engineering & Inspection
- Construction Services
- Contract Government
- Data Technologies & Development
- Emergency Management Services
- Engineering
- Governmental Services
- Indoor Air Quality
- Landscape Architecture & Environmental Services
- Municipal Engineering Planning
- Public Administration
- Redevelopment & Urban Design
- Renewable Energy
- Resort Development
- Surveying & Mapping
- Transportation Planning & Traffic Engineering
- Utility & Community Maintenance Services
- Water Resources Management

1800 Eller Drive, Suite 600
Fort Lauderdale, FL 33316
Phone: 954.921.7781
Fax: 954.921.8807

September 29, 2014
RFQ# 946-11484
Fort Lauderdale Intracoastal Waterway
Las Olas Marina Dredging Project
Page 2

Their contact information is as follows:

PRINCIPAL-IN-CHARGE

Shelley Eichner, AICP
Senior Vice President
seichner@cgasolutions.com
Telephone: (954) 921-7781
Fax: (954) 921-8807

PROJECT MANAGER/MAIN CONTACT

David Decker, PE
Project Manager
ddecker@cgasolutions.com
Telephone: (561) 684-6161
Fax: (561) 684-6360

As with all of our projects, we will focus on customer service, timely project delivery and accurate documentation of the project improvements. We look forward to the opportunity to work with you in the future as you implement your vision for the City of Fort Lauderdale.

Very truly yours,
CALVIN, GIORDANO & ASSOCIATES, INC.



Shelley Eichner
Senior Vice-President

BID/PROPOSAL SIGNATURE PAGE

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

The below signed hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal I will accept a contract if approved by the CITY and such acceptance covers all terms, conditions, and specifications of this bid/proposal.

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

Submitted by: Shelley Eichner (signature) September 26, 2014 (date)

Name (printed) Shelley Eichner, AICP Title: Senior Vice President

Company: (Legal Registration) Calvin, Giordano & Associates, Inc.

CONTRACTOR, IF FOREIGN CORPORATION, MAY BE REQUIRED TO OBTAIN A CERTIFICATE OF AUTHORITY FROM THE DEPARTMENT OF STATE, IN ACCORDANCE WITH FLORIDA STATUTE §607.1501 (visit <http://www.dos.state.fl.us/>).

Address: 1800 Eller Drive, Suite 600

City Fort Lauderdale State: Florida Zip 33316

Telephone No. (954) 921-7781 FAX No. (954) 921-8807 Email: seichner@cgasolutions.com

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions): N/A

Payment Terms (section 1.04): N/A Total Bid Discount (section 1.05): N/A

Does your firm qualify for MBE or WBE status (section 1.09): MBE NO WBE NO

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

<u>Addendum No.</u>	<u>Date Issued</u>
NONE	N/A

VARIANCES: State any variations to specifications, terms and conditions in the space provided below or reference in the space provided below all variances contained on other pages of bid, attachments or bid pages. No variations or exceptions by the Proposer will be deemed to be part of the bid submitted unless such variation or exception is listed and contained within the bid documents and referenced in the space provided below. If no statement is contained in the below space, it is hereby implied that your bid/proposal complies with the full scope of this solicitation. **HAVE YOU STATED ANY VARIANCES OR EXCEPTIONS BELOW? BIDDER MUST CLICK THE EXCEPTION LINK IF ANY VARIATION OR EXCEPTION IS TAKEN TO THE SPECIFICATIONS, TERMS AND CONDITIONS.** If this section does not apply to your bid, simply mark N/A in the section below.

Variances:



SECTION 3 QUALIFICATIONS OF THE FIRM

Calvin, Giordano & Associates, Inc. (CGA) is a multi-disciplinary firm that began as a small two person-surveying firm in Florida over 77 years ago. From 1937 to 2014 we have grown to over 300 employees, expanded geographically with offices in Fort Lauderdale, West Palm Beach, Port St. Lucie, Homestead, Clearwater, Jacksonville and Atlanta, Georgia.

Since its inception, CGA has served as professional consultants to various municipalities throughout Florida including the Cities of Sunny Isles Beach, Hollywood, Miami Beach, North Miami Beach, Pembroke Pines, Dania Beach, Weston and the Towns of Surfside, Medley, Davie, and Bay Harbor Island, many of which have been repeat clients for more than twenty (20) years.

Calvin, Giordano & Associates has strategically added an exceptionally broad range of services to meet our clients' needs. Our professional services include:

- Building Code Services
- Coastal Engineering
- Code Enforcement
- Construction Engineering & Inspection
- Construction Services
- Data Technologies & Development
- Emergency Management Services
- Engineering
- Environmental Services
- Governmental Services
- Indoor Air Quality
- Landscape Architecture
- Municipal Engineering
- Planning
- Public Administration
- Redevelopment & Urban Design
- Renewable Energy
- Resort Development
- Surveying and Mapping
- Transportation Planning and Traffic Engineering
- Utility & Community Maintenance Services
- Water Resources Management

STANDARD FORM 330

See the following pages for Calvin, Giordano & Associates Standard Form 330.

**STANDARD FORM 330
CIVIL/ENVIRONMENTAL ENGINEERING QUALIFICATIONS**

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION <i>(City and State)</i> CITY OF FORT LAUDERDALE INTRACOASTAL WATERWAY - LAS OLAS MARINA DREDGING PROJECT	
2. PUBLIC NOTICE DATE AUGUST 29, 2014	3. SOLICITATION OR PROJECT NUMBER 946-11484

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE DAVID DECKER, PE - SENIOR PROJECT ENGINEER/PROJECT MANAGER		
5. NAME OF FIRM CALVIN, GIORDANO & ASSOCIATES, INC.		
6. TELEPHONE NUMBER (954) 921-7781	7. FAX NUMBER (954) 921-8807	8. E-MAIL ADDRESS DDECKER@CGASOLUTIONS.COM

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	<i>(Check)</i>			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCONTRACTOR			
a.	X			Calvin, Giordano & Associates, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	1800 Eller Drive Suite 600 Fort Lauderdale, FL 33316	Civil Engineering, Hydrographic Surveying, Environmental Permitting
b.			X	Lakdas Yohalem Engineering, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	2211 NE 54 th St. Fort Lauderdale, FL 33308	Structural Engineering
c.			X	Radise International <input type="checkbox"/> CHECK IF BRANCH OFFICE	4152 W. Blue Heron Blvd. Suite 228 Riviera Beach, FL 33404	Geotechnical Engineering, Dredge Spoil Testing
d.			X	Cummins Cederberg <input type="checkbox"/> CHECK IF BRANCH OFFICE	7550 S. Red Rd. Suite 217 South Miami, FL 33143	Hydrodynamic Modeling, Sediment Transport Modeling
e.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		

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 <i>(City and State)</i> ENVIRONMENTAL IMPACT STATEMENT, PORT/HARBOR EXPANSION FREEPOR, BAHAMAS	22. YEAR COMPLETED PROFESSIONAL SERVICES 2010	
	CONSTRUCTION <i>(If applicable)</i> Since 2009	
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER GRAND BAHAMA PORT AUTHORITY, LTD.	b. POINT OF CONTACT NAME LLOYD CHEONG ENVIROLOGIC INTERNATIONAL, LTD.	c. POINT OF CONTACT TELEPHONE NUMBER (954) 727-3965

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

This project was performed to support the construction of Freeport Harbor's turning basin - Area 4, expanding the harbor by 192 acres to accommodate post Panamax vessels and anticipated future increases of containerized cargo through Freeport's reshaping-free trade zone. The harbor deepening and expansion is being performed in partnership with Bahama Rock, Ltd. to complete the excavation / dredging. CGA working closely with Envirologic International (a Bahamian environmental consulting firm) to complete the required field investigations, due diligence assessments, alternative evaluations, geotechnical studies, biological investigations and extensive hydrodynamic modeling and coastal development risk analyses. This work was performed to help select the preferred design and to weigh the pros and cons of various alternative configurations. The study efforts included a survey of over 100 private wells to properly address the increased potential for salt water intrusion into the Islands surficial aquifer.

CGA working with Envirologic, as well as biological and hydrogeological specialists prepared an extensive EIS that was submitted both to the Bahamas Government and the Grand Bahama Port Authority. The environmental document served to present the project to the citizens of Eight Mile Rock. Three public discussion meetings were held. Details on flood protection, dust control, blasting management and future land use were all addressed in this process. The project construction plan followed US established environmental criteria. Special attention was given to the potential to adversely impact Hawksbill Creek and nearby hard bottom reef communities. The development plan was adjusted to address these concerns.

Cost: \$260,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a. (1) FIRM NAME Calvin, Giordano & Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Environmental & Coastal Engineers
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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 <p style="text-align: center;">2</p>			
21. TITLE AND LOCATION <i>(City and State)</i> DREDGING, SPOIL MANAGEMENT & ENVIRONMENTAL MITIGATION WATERWAY MAINTENANCE NORTH PALM BEACH, FLORIDA		22. YEAR COMPLETED <table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">PROFESSIONAL SERVICES 2011</td> <td style="text-align: center;">CONSTRUCTION <i>(If applicable)</i> 2011</td> </tr> </table>		PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i> 2011
PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i> 2011				
23. PROJECT OWNER'S INFORMATION					
a. PROJECT OWNER VILLAGE OF NORTH PALM BEACH	b. POINT OF CONTACT NAME BRIAN MOREE	c. POINT OF CONTACT TELEPHONE NUMBER (561) 691-3440			

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

This project was completed in four phases involving the maintenance dredging and management of spoil removed from approximately 3.7 miles of navigable tidal waterways. Diverse existing conditions required the use of different equipment and techniques to complete the work. Portions of the project supported sensitive sea grass beds that required environmental mitigation. With the help of the USCG 7th District, and the State of Florida an extensive "No Motor Zone" was created to protect nearby imperiled sea grass beds.

CGA had to perform extensive sediment testing to address the limits of arsenic tainted sediments in portions of the dredge area. The use of hydraulic dredge with the injection of flocculants was performed to sequester the pollutant. The project team had to address numerous private individual special needs because of ROW encroachments. To help support the project, grant funds were secured from the Florida Inland Navigation District. Overall, the project involved permits from the State of Florida, the Corps of Engineers, the US Coast Guard and the Florida Trustees. The maintenance dredge area involved sovereign, NPB and privately owned submerged lands. Compounding this situation, the location of sensitive sea grass areas and contaminated sediments were located in both sovereign and NPB submerged lands.

The handling and use of the dredge spoil required extensive testing to determine the ambient level of arsenic. As a result of this effort, essentially all of the spoil was used beneficially. By working cooperatively with the Florida Parks the mitigation effort was mutually beneficial for the boaters as well as protecting the shallow park waters near Munyon Island.

Cost: \$320,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Calvin, Giordano & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Environmental & Coastal Engineers
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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 3
21. TITLE AND LOCATION <i>(City and State)</i> ENVIRONMENTAL EVALUATIONS, POWER SYSTEM SERVICE IMPROVEMENTS GRAND BAHAMA ISLAND, BAHAMAS		22. YEAR COMPLETED PROFESSIONAL SERVICES 2012 CONSTRUCTION <i>(If applicable)</i> 2012
23. PROJECT OWNER'S INFORMATION		
b. PROJECT OWNER GRAND BAHAMA PORT AUTHORITY	b. POINT OF CONTACT NAME LLOYD REID, EMERA UTILITY SERVICES	c. POINT OF CONTACT TELEPHONE NUMBER (617) 849-7351

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

This project was comprised of two environmental evaluations to assess the impacts likely to occur from an increase in power generating capacity and the installation of approximately 21.2 miles of 112.5 KV transmission lines and additional generators requiring increased cooling water flows. The preparation of an Environmental Impact Assessment following NEPA guidelines was completed and presented to the Bahamian Government to obtain approval for the project. As a result of the increased generating potential, an in depth analysis of the effects of an 1800 CM/hr (150%) increase in cooling water flows was modeled considering different discharge and diffusor configurations. This included evaluating the potential for adverse impacts to estuarine biota from the power plants increased cooling water discharge. This evaluation included the biological categorization and prevalence measurement and documentation using divers versed in marine biology and specifically in mangrove habitats. Both the discharge and receiving waters were sampled to compare the characteristics of both water sources and to ensure that fluctuations in both did not yield conditions that adversely impact the biota. This exercise was specifically focused on juvenile fish species prevalent in shallow tidal waters and mangrove forest.

The work effort included alignment and ROW evaluations for the transmission lines including public workshops with the residents of the Villages of Eight Mile Rock and West End. The public coordination efforts followed the protocols established by the Bahamas Environment, Science and Technology Commission (BEST). The reports prepared for the increased cooling water flows also followed the BEST requirements. The Visual Plumes, DKHW and PDS environmental discharge models were all used.

Cost: \$85,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Calvin, Giordano & Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Landscape Architecture, Electrical, Civil and Traffic Engineering, Construction Administration
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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 <p style="text-align: center;">4</p>
21. TITLE AND LOCATION <i>(City and State)</i> BOCA RATON INLET JETTY RECONSTRUCTION. BOCA RATON, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION 2008

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Boca Raton, Fl	b. POINT OF CONTACT NAME Mr. James Vance, Jr. The Vance Construction Co.	c. POINT OF CONTACT TELEPHONE NUMBER (561) 719-4696
---	--	---

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

CGA was contracted by The Vance Construction Company to provide hydrographic surveying services for pre and post construction of The City of Boca Raton Inlet Jetty.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Calvin, Giordano & Associates	West Palm Beach, FL	Hydrographic Surveying
b.			
c.			
d.			

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 <p style="text-align: center;">5</p>
21. TITLE AND LOCATION (City and State) CITY OF DANIA BEACH CITY OF DANIA BEACH, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <p style="text-align: center;">2009</p>	CONSTRUCTION <p style="text-align: center;">2009</p>
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Dania Beach	b. POINT OF CONTACT NAME Mr. Dominic F. Orlando, P.E. Director of Public Services	c. POINT OF CONTACT TELEPHONE NUMBER (954) 924-3740

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

CGA was contracted by The City of Dania Beach, FL to provide hydrographic surveying services for design of a proposed water main directional bore under the Dania Cutoff Canal.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Calvin, Giordano & Associates	West Palm Beach, FL	Hydrographic Surveying
b.			
c.			
d.			

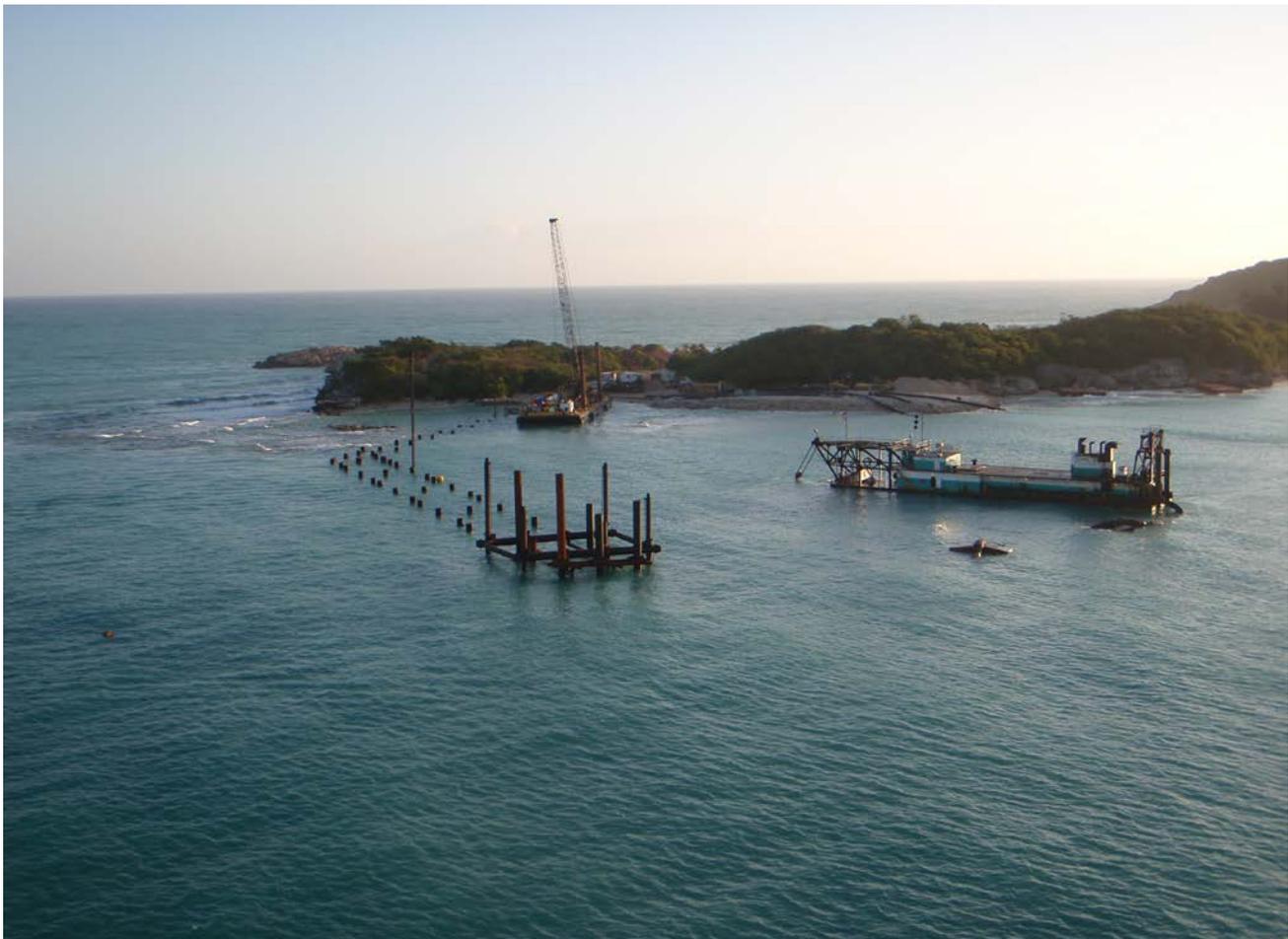
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 6
21. TITLE AND LOCATION <i>(City and State)</i> ROYAL CARIBBEAN RESORT PIER LABADEE, HAITI	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION 2009

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Orion Dredging	b. POINT OF CONTACT NAME Curtis Huggins	c. POINT OF CONTACT TELEPHONE NUMBER (904) 504-0606
---	---	---

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

CGA was contracted by Orion Dredging Services LLC, to provide hydrographic surveying services beginning with a pre-dredge survey, monthly pay request surveys and the final post dredge hydrographic survey.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Calvin, Giordano & Associates	West Palm Beach, FL	Hydrographic Surveying
b.			
c.			
d.			

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 <i>(City and State)</i> BEACH EROSION AND RENOURISHMENT 1 MIAMI BEACH, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION 2007

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER DERM	B. POINT OF CONTACT NAME BRIAN FLYNN	c. POINT OF CONTACT TELEPHONE NUMBER (305) 372-*6850
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

CGA was contracted by The Marine Contractor to complete the daily progress surveys and control for the transfer of sand from the wider Lummus Park (7th St) area and hydraulically pumping the sand to renourish the 20th St eroded hot spot. The project consisted of daily relocation of sand 7 days a week for a duration of 42 days. The total construction cost of this project was \$2.2 Million.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Calvin, Giordano & Associates	Fort Lauderdale, FL	Topographic Surveying
b.			
c.			
d.			

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
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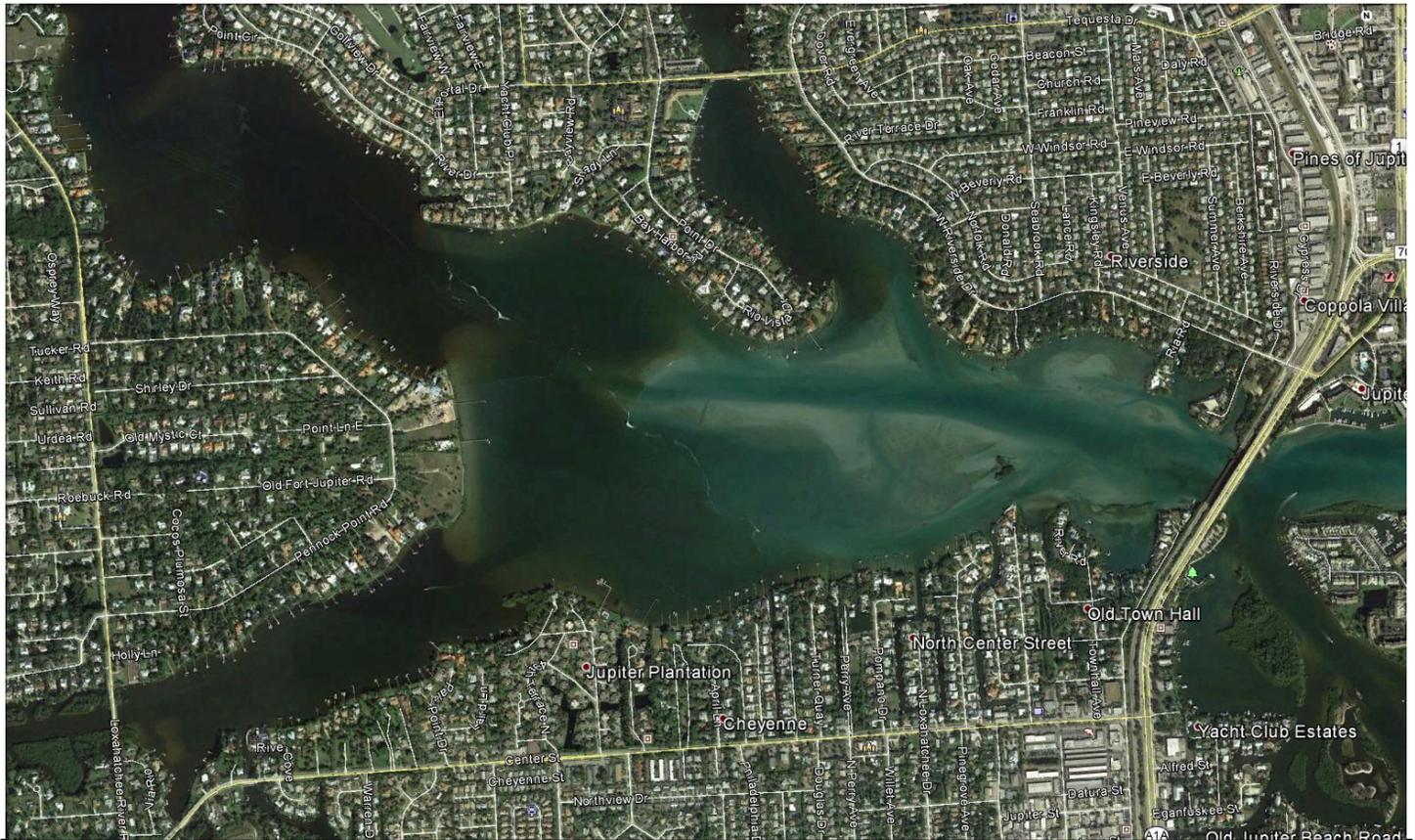
21. TITLE AND LOCATION <i>(City and State)</i> LOXAHATCHEE RIVER CANAL EMBAYMENT DREDGING JUPITER, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION 2011

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Town of Jupiter, FL	b. POINT OF CONTACT NAME Curtis Huggins Orion Dredging Services, LLC.	c. POINT OF CONTACT TELEPHONE NUMBER (813) 839-8441
--	---	---

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

CGA was contracted by The Orion Dredging Services, LLC. to provide hydrographic surveying services for pre and post construction for the Loxahatchee River located in The Town of Jupiter.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Calvin, Giordano & Associates	West Palm Beach, FL	Hydrographic Surveying
b.			
c.			
d.			

H. ADDITIONAL INFORMATION

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE



b. DATE

SEPT. 26, 2014

a. NAME AND TITLE

SHELLEY EICHNER, AICP, SENIOR VICE PRESIDENT

ARCHITECT-ENGINEER QUALIFICATIONS	1. SOLICITATION NUMBER (If any) RFQ 946-11484
--	---

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME CALVIN, GIORDANO & ASSOCIATES, INC.			3. YEAR ESTABLISHED 1937	4. DUNS NUMBER FEIN 65-0013869
2b. STREET 1800 ELLER DRIVE, SUITE 600			5. OWNERSHIP TYPE CORPORATION	
2c. CITY FORT LAUDERDALE	2d. STATE FL	2e. ZIP CODE 33316	a. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE SHELLEY EICHNER, AICP, SENIOR VICE PRESIDENT			7. NAME OF FIRM <i>(If block 2a is a branch office)</i>	
6b. TELEPHONE NUMBER (954) 921-7781	6c. E-MAIL ADDRESS SEICNER@CGASOLUTIONS.COM			
8a. FORMER FIRM NAME(S) <i>(If any)</i> M.E. BERRY & ASSOCIATES / BERRY & CALVIN, INC.			8b. YR. ESTABLISHED 1937 / 1985	8c. DUNS NUMBER 044297369

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 <i>(see below)</i>
		(1) FIRM	(2) BRANCH			
02	Administrative	81			Codes; Standards, Ordinances	1
10	Chemical Engineers	1			Construction Management	4
12	Civil Engineers	21			Cost Estimating	4
15	Construction Inspector	21			Educational Facilities	3
21	Electrical Engineers	2			Environmental Impact Studies, Assessments or Statements	4
39	Landscape Architects	4			Highways; Streets; Airfield Paving; Parking Lots	4
47	Planners: Urban/Regional	9			Hospital & Medical Facilities	4
52	Sanitary Engineers				Irrigation; Drainage	6
	Permitting Specialists	20			Landscape Architecture	4
38	Surveyors	6			Office Building; Industrial Parks	3
60	Transportation Engineers	3			Planning (Community, Regional Area-wide & State)	4
08	Computer CADD Technicians	5			Planning (Site, Installation, and Project)	7
38	Field Surveyors	10			Sewage Collection, Treatment and Disposal	4
29	GIS/Data Technology Specialists	8			Surveying; Platting; Mapping; Flood Plain Studies	8
	Code Enforcement Specialist	20			Storm Water Handling & Facilities	6
24	Environmental Specialists	2			Traffic & Transportation Engineering	3
24	Environmental Field Crew	1			Urban Renewals; Community Development	4
39	Landscape Designers / Inspectors	6			Water Supply; Treatment and Distribution	8
07	Biologist(s)/Indoor Air Quality	1			Zoning; Land Use Studies	3
	Other Employees	81				
Total		302				

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	0	1. Less than \$100,000	6. \$2 million to less than \$5 mil	7. \$5 million to less than \$10 mil	8. \$10 million to less than \$25 mil
b. Non-Federal Work	8	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 mil	9. \$25 million to less than \$50 mil	10. \$50 million or greater
c. Total Work	8	4. \$500,000 to less than \$1 mil	5. \$1 million to less than \$2 mil		

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

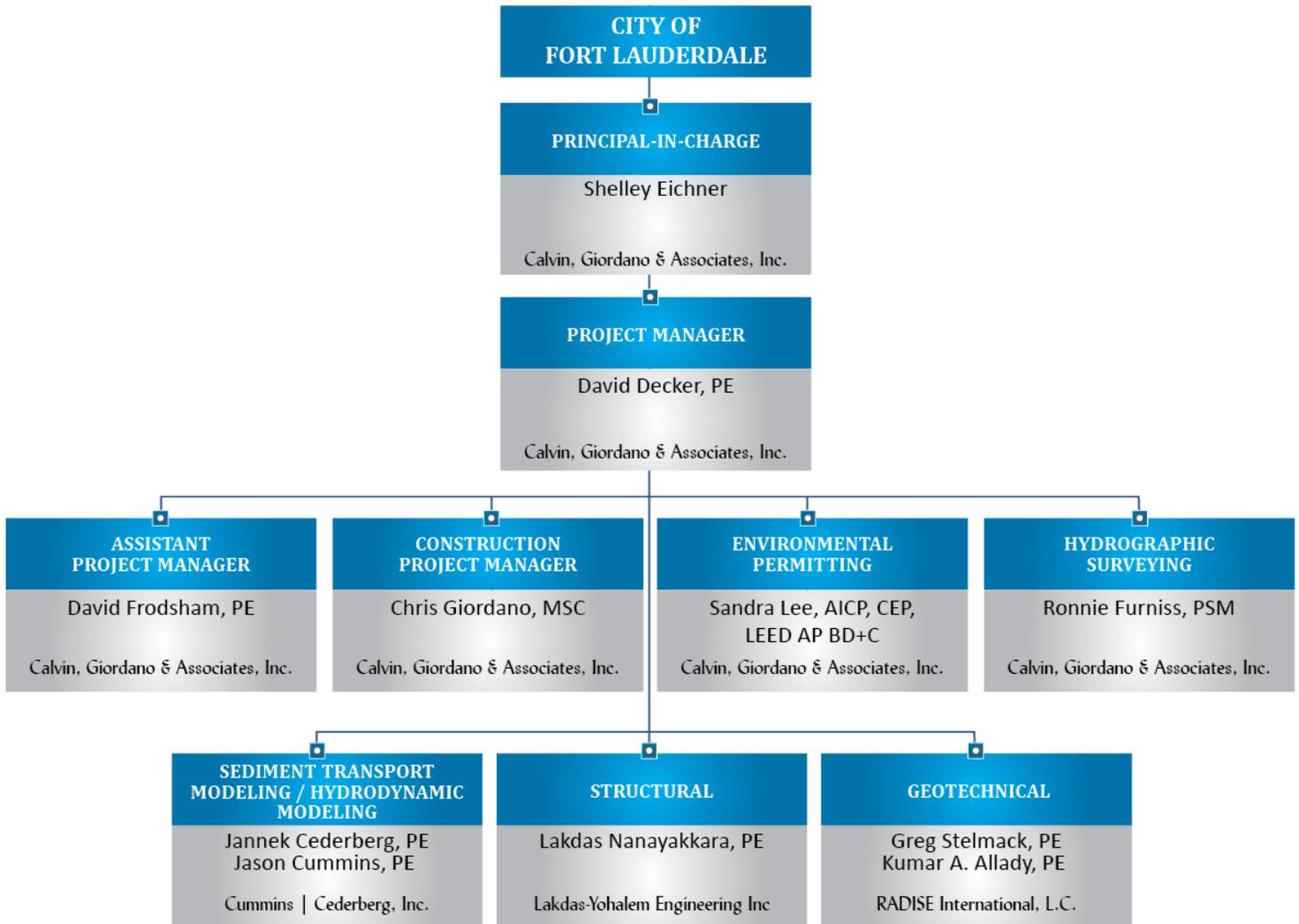
a. SIGNATURE 	b. DATE SEPT. 26, 2014
c. NAME AND TITLE SHELLEY EICHNER, AICP, SENIOR VICE PRESIDENT	



SECTION 4 QUALIFICATIONS OF THE PROJECT TEAM

See the Organizational Chart and Standard Form 330 resumes on the following pages.

D. ORGANIZATIONAL CHART



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME David Decker, PE	13. ROLE IN THIS CONTRACT Coastal Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 35	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION *(City and State)*
Calvin, Giordano & Associates, Inc. - Fort Lauderdale, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
B.S. 1977, Coastal Engineering, Florida Institute of Technology

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Professional Civil Engineer - Florida
LEED Accredited Professional

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

Mr. Decker specializes in engineering and environmental planning for projects located in the coastal zone. He has over 32 years of experience as a consulting engineer primarily specializing in the planning, design and financing of waterfront infrastructure. Solving the unique problems associated with development in the coastal setting has been the primary focus of Mr. Decker's career.

Publication: Deepwater Port Development, Balancing Benefits and Impacts. Proceedings of the Symposium on Coastal and Ocean Management, American Society of Civil Engineers. 1989

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
a.	Atlantic Dry-Dock and Marina Jacksonville, Duval County, Florida	1991	1992
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Manager responsible for environmental permitting of a shipyard expansion, including dredging a portion of the St. Johns River to -55 ft MLW to accommodate a large dry-dock.		
b.	Cruise Ship Berth Siting Gorda Cay, Bahamas	1998	2000
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Manager responsible for evaluating Bahamian Out Island to assess the feasibility of creating a remote cruise destination for Disney Cruise Lines. Work completed included facilities site selection, berth alignment, detailed field studies to assess physical and environmental design considerations, dredging assessment, wave forecasting, current and tide studies and computer modeling to predict shoreline changes and slip shoaling rates.		
c.	Trident Wharf Configuration Study Kings Bay, Georgia	1980	1994
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm As project manager performed current and sediment studies in the St. Mary's River in support of Kings Bay Trident Submarine Wharf Configuration Studies. Extensive tide, current and bottom sediment data was gathered to assess shoaling and erosion rates. A detailed sub-water inspection was also accomplished at the existing Kings Bay Wharf.		
d.	Port Everglades/Dania Cut-Off Canal Deepening & Widening Port Everglades, Florida	1987	1990
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm As project manager this project was undertaken as a component of the larger West Lake Project. It involved deepening an existing navigation channel between Port La Dania and the Intracoastal Waterway adjacent south of Port Everglades.		
e.	Port Canaveral West Turing Basin Brevard County, Florida	1991	2001
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm As project manager responsible for permitting port deepening and berthing project. This project involved extensive coordination with the Corps of Engineers on the development of the project's "DDM" and Environmental Impact Statement. The development of a complex 2300-acre mitigation project to offset dredging impacts was incorporated into the plan as a component of the Federal Authorization. AAPA awarded this project their national environmental award.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Chris Giordano	13. ROLE IN THIS CONTRACT Marine Specialist	14. YEARS EXPERIENCE	
		a. TOTAL 8	b. WITH CURRENT FIRM 3

15. FIRM NAME AND LOCATION *(City and State)*
Calvin, Giordano & Associates, Inc. – Fort Lauderdale, FL

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BSEET, Electrical Engineering Technology, Concentration on Computer Systems. University of Central Florida, Orlando, FL. 2005	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Florida Specialty Marine Contractor No. SCC131151012
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Chris Giordano has a total of 8 years construction management experience. After graduating from the University of Central Florida with a Bachelor of Science in Electrical Engineering Technology he pursued a career in the construction management industry. Chris held the positions of Project Administrator, Project Manager, Contracts Manager, and finally Project Controls Manager for the Orion Marine Group before deciding to pursue other avenues. He was then appointed the position of Project Administrator at Calvin, Giordano & Associates, Inc.

Throughout his career, Chris has managed hundreds of millions of dollars in construction. The clients for these projects ranged from federal, state, local and private clients. Chris gained construction experience throughout the southeastern United States as well as in the Caribbean.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
a.	Pier Construction & Cruise Ship Berth Dredging Labadee, Haiti	n/a	2009
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Projects control manager aided in the dredging of approximately 300,000 CY of rock and sand for navigational and beach re-nourishment purposes. Berth was dredged and pier constructed to accommodate the world's largest cruise ships.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	Miami Dade County BEAR 1 (Beach Erosion and Re-Nourishment) South Beach, Miami, Florida	n/a	2007
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE As project manager, oversaw the excavation of the Loomis Park area to accommodate the 21 st street hot spots north to 30 th Street. Construction valued at \$2.2 million.	<input type="checkbox"/> Check if project performed with current firm	
c.	Volusia County Emergency Beach Nourishment-Dune Restoration New Smyrna Beach, Florida	n/a	2006
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE As co-project manager, supervised the excavation of 800,000 CY of beach quality sand from FIND's DMMA 434 spoil area. The material was excavated and trucked to the intramodel site where 16" hydraulic dredge transported the material slurry over 7 miles to its final destination on the beach. Over 5 miles of beach dune were constructed with the 800,000 CY of material. Estimated construction valued at \$13.5 million	<input type="checkbox"/> Check if project performed with current firm	
d.	Jaxport Dames Point Expansion – Project One Jacksonville, Florida	n/a	2009
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE As co-project manager, supervised, excavation of over 1MM CY of material from the future Dames Point Terminal Expansion (total project value of \$289MM). The material was excavated and pumped to tow upland material management sites. At these sites compactable fill was separated from unsuitables. The compactable fill was left at the temp site to later become the terminal storage container lot. The unsuitables were pumped across the river to Bartram Island Spoil Area. Construction value for dredging was \$10 million.	<input type="checkbox"/> Check if project performed with current firm	
e.	TPA FY 08&09 Maintenance Dredging Tampa, Florida	n/a	2009
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Site Plan Si Provide an annual maintenance contract to maintain all depths at all Tampa Port Authority Berths. Construction value of \$2.5 million annually.	<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 David Frodsham, PE	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		A. TOTAL 7	B. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)
Calvin, Giordano & Associates, Inc. - Fort Lauderdale, FL

16. EDUCATION (DEGREE AND SPECIALIZATION) * B.S., Civil Engineering, Penn State University * M.S., Engineering Management, Univ. of Louisville	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida PE No. 75507
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Frodsham is a licensed Professional Engineer at CGA with more than five years of experience in coastal engineering, construction management, permitting, and civil site design. He is proficient in the use of AutoCAD and is fluent in Spanish.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Environmental Impact Analysis, Port/Harbor Expansion, Freeport, Bahamas	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION (if applicable) 2010
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Performed hydrodynamic modeling, thermal plume modeling, and coastal development risk analysis for harbor expansion related work for various projects.		<input type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) Dredging, Spoil Management & Environmental Mitigation, Waterway Maintenance	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (if applicable) 2011
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Conducted seagrass surveys, and assisted with related environmental mitigation for the maintenance dredging of municipally owned canals.		<input type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) Sunny Isles Beach Emergency Seawall Repair	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION (if applicable) 2014
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed emergency seawall repair for 500 feet of failing seawall with related permitting work through State and Federal regulatory agencies.		<input type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Surfside Seawall Design/Surfside, FL Town of Surfside, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Performed inspections and assessment of 10 municipally-owned seawalls in Surfside, FL. Designed new seawalls, prepared bid documents and specifications, and acquired all necessary federal, state and local permits as Engineer of Record for project. Solicited and was awarded a \$0.5M FIND grant to repair seawalls.		<input type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) Sunset Bay Marina Stuart, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION (if applicable) 2010
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Carried out modifications to FDEP permit and USACE Submerged Land Lease for a reconfiguration of marina, including seagrass investigation.		<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 Ronnie Furniss, PSM	13. ROLE IN THIS CONTRACT Senior Surveyor and Mapper	14. YEARS EXPERIENCE	
		a. TOTAL 35	b. WITH CURRENT FIRM 35

15. FIRM NAME AND LOCATION *(City and State)*
Calvin, Giordano & Associates, Inc. – West Palm Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
FDOT-sponsored seminar on C.E.F.B.
AutoCAD AUD Softdesk Certification Courses
CAICE Visual Coordinate Geometry and CAICE Visual DTM courses by A.G.A.

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Professional Surveyor and Mapper,
State of Florida, No. 6272

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Furniss has 35 years of experience in surveying, all with CGA. He began his career as a rodman and worked in the field for the first 17 years of his employment. He has been instrumental in upgrading the firm's electronic data collection processing and procedures. In the past 9 years he has been in charge of special projects and managing the West Palm Beach Survey Department

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
a.	C-16 Canal Right-of-Way Survey Palm Beach County, Florida	2009	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Furniss was responsible for project management, field crew and office supervision overseeing final drawings and deliverables to South Florida Water Management District.		
b.	G-08 Hillsboro Canal Right-of-Way Survey Palm Beach, Broward County Line, Florida	2010	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Furniss was responsible for project management, field crew and office supervision overseeing final drawings and deliverables to South Florida Water Management District.		
c.	Loxahatchee River Embayment Dredging Jupiter, Florida	2011	2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Furniss was the project surveyor and mapper on this project which consisted of a bathymetric survey. Responsible for data collection and processing, calculating volume reports and providing final as-built drawings.		
d.	Boca Raton Inlet Jetty Reconstruction Boca Raton, Florida	2008	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Furniss was the project surveyor and mapper on this project which consisted of a bathymetric survey. Responsible for construction layout, data collection and processing and providing final as-built drawings.		
e.	Royal Caribbean Cruise Day Stop Labadee, Haiti	2009	2009
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Furniss was the project surveyor and mapper on this project which consisted of a bathymetric survey. Responsible for data collection and processing, calculating volume reports and providing final as-built drawings.		



SECTION 5 PROJECT MANAGER'S EXPERIENCE



Mr. Decker specializes in coastal and environmental planning and design for projects located in the coastal zone. He assists clients with the planning, design and financing of infrastructure for primarily waterfront projects including municipal and public style developments.

Solving the unique engineering and environmental problems associated with development in a coastal or environmentally sensitive setting has been the primary focus of Mr. Decker's 35 years of experience.

Specific projects have included being the project manager responsible for completing a flood protection and water management plan for the City of Port St Lucie's 8000 acre Planning Area III. As Project Manager, Mr. Decker addressed land use, facilities condition, maintenance requirements, design criteria and water quality treatment. For the City of Venice, Florida, he served as Project Director to provide coordination with City staff on the development of a citywide stormwater master plan and the implementation of a multi-faceted funding program, which included developing a stormwater utility. Project tasks included preparation of engineering studies and cost estimates, coordinating public information meetings.

Other projects include:

Atlantic Dry-Dock and Marina, Jacksonville, Duval County, Florida. Project Manager responsible for environmental permitting of a shipyard expansion, including dredging a portion of the St. Johns River to -55 ft MLW to accommodate a large dry-dock. Study included extensive analysis of current loads on the dry-dock. A detailed evaluation of dredge spoil and contaminated sediments was also made. Permits were issued and a submerged land lease obtained from the State of Florida to allow for facility expansion.

Dredge Spoil Management Study, Canaveral Port Authority, Brevard County, Florida. Project Manager responsible for performing a detailed alternatives analysis to address the long-term maintenance dredge spoil requirements and alternatives for the Canaveral Port Authority. The results of this study were used to reaffirm with the Environmental Protection Agency the need to maintain Port Canaveral's offshore spoil disposal options.

Maintenance Dredging, Port of Palm Beach District, Florida. Responsible for permitting the maintenance dredging of port's turning basins and slips. This effort included authorization of the project for future inclusion in the federal project. The permit application also allowed for extensive bulkhead repair. Dredge spoil was authorized for placement on Peanut Island and the beaches.



SECTION 6 APPROACH TO SCOPE OF WORK

SERVICES APPROACH

City Goals - The City of Fort Lauderdale has a definite need to perform maintenance dredging with the Las Olas and Bahia Mar Marinas to help sustain the City’s position as a world-renowned yachting center. The City has also come to recognize that channel and basin deepening to -15’ MLW is necessary to maintain its position as a leader capable of servicing and homeporting larger mega-yachts and now super yachts. The opportunity is not just one of bragging rights. The City, which is now home to one of the world’s premier yacht service industry centers, has the opportunity to further grow and provide business and employment opportunities should the community meet the navigation and docking demand for the larger vessels. We suggest that the City’s goal should be to build a base of support to successfully maintain its recognized position as the premier yachting center in a Five Star City.

City Objectives - The need to deepen and widen the ICW and adjoining public marina centers is a key objective. The project is uniquely challenging because of the existing developed character of the surrounding properties, and the involvement of multiple responsible parties. To increase the challenge, this is combined with a relatively high cost, primarily attributable to the need to dredge a significant volume of native limestone. While the City has been exploring improvement to the Las Olas marina for over ten years, the cost of the proposed improvements and dredging has been an obstacle. When exploring alternatives and their supporting benefits, the narrow definition and the relatively small scale of the Las Olas project have been limiting factors. With the potential to combine the project with the associated ICW and Bahia Mar projects, the expected benefit level is apt to improve. If the marinas are credited with the benefit of being a public centers as was being considered with the Las Olas Corridor Improvement project there is an opportunity to leverage the City’s position to secure Waterway Assistance and Boating Improvement Funds.

CGA Approach to this Project - CGA’s approach is to first work closely with the City and their designated representatives to identify and prioritize the project goals and objectives. We will also work to identify the primary and secondary stakeholders. With this information we will then recruit the participation of various City, County, FIND, regulatory, and elected officials to participate with six strategic project related meetings to successfully move the project forward.

To someone not familiar with the completion of both new construction dredging, as well as maintenance dredging, the approvals and construction process for a project such as proposed can appear overwhelmingly difficult. The number of various agencies involved combined with their diverse areas of interest or concern can make it difficult to ascertain if a concern or a request for additional study or field work is justified. In fact, there typically are certain regulatory personnel and members of the public who, as a matter of principle, will openly and aggressively oppose such a project for any number of reasons. There are generally three different approaches available to successfully complete a water resources development project:

- 1. Public Interest Driven Project** - Such a project is driven forward with overwhelming public, private and political support. Examples would be hurricane damage repairs for a community. This type of project is driven by the public through their elected officials.
- 2. Public Infrastructure Development (Step by Step)** - This type of project is typically of average magnitude and importance. The project follows the established planning, permitting, funding and construction processes. Such a project may take several years to make its way through the project development and approvals processes. Examples of such projects include the ongoing Port Everglades / Corps deepening project or an FDOT transpor-



tation improvement project. These projects are accomplished on a step by step basis, slowly and sequentially, followed by the regulatory process with feedback from the public solicited near the end of the process. This delay with public review can cause problems with late plan revisions and controversy associated with not being made aware of the project earlier.

- 3. Sponsor Driven Project** - This third approach is the recommended approach. It requires hands-on involvement of the project sponsor (City and CGA), to coordinate closely with involved regulatory personnel, the public at large, and the elected officials throughout the process. This approach stays focused on the project while deliberately causing the planning, permitting and public participation to occur simultaneously. This approach is occasionally applied to projects, such as the Las Olas Marina dredging, to expedite them after they have become entangled in the step by step Infrastructure Development Process.

It is apparent that the proposed Las Olas dredging project is not at a public interest level to be eligible for the attention that comes with Approach 1. The project has been on the community's list of wants for over 10 years. To continue using the step by step process is apt to delay the successful permitting and implementation for several more years. To avoid this, CGA proposes to interface closely with the project sponsors to implement the third approach. This requires the organization of a project team made up of members from the City, FIND, the mitigation plan developers, the Corps, FDEP, Bahia Mar, Broward County, Elected Officials, the commenting agencies including FFWCC, USFWS, NMFS, EPA, the Marine Industries Association and a few interested members of the public such as a resident with nearby property and members of public environmental organizations such as Audubon and National Wildlife Federation.

Involvement and Communications - On past projects where this approach has been applied, CGA's project manager coordinated a series of approximately six meetings that were held to collectively review and receive comments on the dredging and mitigation plans.

While all the team members will most likely have some familiarity with the project, the first meeting is an introduction to the project details. An overview of the project goals, available technical information, benefits and need for the project and recognized obstacles will be presented. It is anticipated that the team members will meet five more times at about two month intervals throughout the planning and permitting processes. The objective with the team, or committee, is to develop broad support for the project. As the various viewpoints become apparent, the plan will be adjusted for review and comment by all. With the involvement of such a broad cadre of participants, the objective is to refine the plan, identifying and addressing potential challenges or problems collectively. As the final plan evolves, an effort is underway to march forward on numerous fronts with all the participants working through the varied obstacles and technical challenges. This results in a balanced and supportable plan that otherwise would not be individually conceived by the City or CGA. In effect, the team members take ownership of the plan and the project plan is refined to address various concerns raised in the process. Inevitably, some conflict arises in this process, but the participants are all exposed to the different elements of concern or the minimum requirements to have a successful project. This exposure allows everyone to understand the issue or concern being raised and allows for a collective solution to be developed.

Proven Success - As an example, this approach was taken with the expansion (dredging and spoil disposal) of Port Canaveral's West Turning Basin. This man-made harbor is now home to the Port's fleet of cruise ships as well as a Coast Guard Station, several private marinas and a public park. The project included over 2,000 acres of wetland mitigation preserve along Sykes Creek and the Banana River. The project team assembled for this project followed the same basic format described here. The team quickly unified and became focused on finding solutions to challenges as they arose. In fact, as the permitting process (which included an EIS) continued, essentially all of the participants seemed to look for means to improve the project rather than ways to delay or scuttle it. The project was awarded the Port Development Project of the year by AAPA and now, years later, the project continues to grow and exceed initial expectations. Port Canaveral is now constructing the sixth cruise pier in the West



Basin. We see a striking parallel when comparing our Port Canaveral experience and the possibilities with this project.

It is understood that numerous technical studies and surveys have been completed by the City and FIND including the development of a Conceptual Mitigation Plan that has been forwarded to the Corps and FDEP for comment. This information should serve as a solid starting block to introduce the project to the project team. Thereafter, additional field work and testing, as mentioned in the RFQ will be performed. This additional information, as needed will include technical, procedural and financial information will be developed and incorporated into the local, state and federal permit applications. This will include the results of the many tasks identified in the City’s RFQ for this project including hydrographic surveys, core borings,

geotechnical analyses, sediment and water quality testing, benthic community studies including habitat and biological characterization, environmental protection, engineering considerations, cost benefit analyses and potential for miscellaneous related secondary impacts. This technical information will complete the permit applications and help guide decisions on the project limits, spoil management considerations, dredging setbacks from existing structures, continuity of vessel navigation and initial and ongoing responsibility for mitigation initiatives and well as dredge area maintenance.

Team Participation - Presented below are the anticipated team meetings and the primary topic of each meeting. These meetings will proceed in parallel with the detailed project planning and permitting processes.

I.	PRIMARY MEETING TOPIC	NEED	GOAL
1	Introduction	Promote understanding and participation	ID & remedy possible fatal flaws or legal issues
2	Add Technical Data	Prepare permit applications w/ new input	Streamline application review via involvement
3	Review of RAI	When justified acquire addl. information	Complete application following addl. submittal
4	Avoid Application Bog Down	Draw support from Elected Officials & Team	Keep application from being mired in details
5	Develop Plans/ Funding Appl.	Initial and ongoing responsibilities and costs	Conceive \$\$ sustainable project w/ participants
6	Local project unveiling	Public workshop meeting (w/ Commission)	Prepare the community / construction activities

With today’s technology, it is important to recognize that team meetings can be attended and viewed remotely relying on web casting.



Project Schedule - The anticipated schedule to complete the project will obviously be a function of the level of controversy that the project provokes. Assuming that the City is amenable to participating with the above described approach and there are no unique technical obstacles, the estimated time required from the notice to proceed to commence construction bidding will be approximately 12 months. As described earlier, the proposed team meetings will be held at two month intervals. These meetings will serve to motivate the project team and serve as a basic schedule to develop and deliver milestones described in the Team meeting summary. This schedule will also be closely integrated with the application and permitting process. Care will be taken to ensure ample time for the permit application reviewers to perform their tasks and respond back in time for the Team to review their Requests for Additional Information (RAI). With the State, there is a 30 day review and comment period so this will be considered when preparing for the project Team meetings.

In addition to the proposed dredging project, CGA has considerable experience assisting client's project costs and revenues associated with their marinas and associated amenities. In fact, CGA staff performed some of the initial cost and revenue projections for three proposed Las Olas Marina alternative development plans for the City's Marina Advisory Council. It is suggested that consideration be given to determine such costs and associated revenue potential for the overall project since. As is often the case with waterfront facilities, the whole is greater than the sum of the parts.

Workload - Presently CGA is enjoying a modest increase in overall business volume. However, this increase is primarily being realized by the Firm's Government Services Sector. Our conventional civil, coastal, environmental engineering and surveying divisions now have adequate staff availability to immediately support the City with this project.



SECTION 7 REFERENCES

CLIENT / CONTACT	DESCRIPTION OF WORK	DATE OF COMPLETION	COST
<p>Village of North Palm Beach</p> <p>Brian Moree <i>Director of Public Works</i> 645 Prosperity Farms Rd North Palm Beach, FL 33408 bmoree@village-npb.org</p> <p>(561) 691-3440 (561) 626-5869 (Fax)</p>	<p>Dredge Design, Sediment Testing & Analysis, FIND Grant Funding Acquisition, State & Local Permitting, Dredge Spoil Management, Benthic Resource Mapping.</p> 	2011	Construction Cost \$320,000

CLIENT / CONTACT	DESCRIPTION OF WORK	DATE OF COMPLETION	COST
<p>EnviroLogic International, Ltd. (Freeport, Bahamas)</p> <p>Lloyd Cheong <i>Environmental Chemist/ Geologist</i> P.O. Box F-40163 Freeport, Bahamas Envirologic.bahamas@gmail.com</p> <p>(242) 351-2490 (242) 351-9605 (Fax) (242) 533-0772 (Cell)</p>	<p>Field Investigation, Due Diligence Assessments, Alternative Evaluations, Geotechnical Studies, Biological Investigations, Hydrodynamic Modeling, Coastal Development Risk Analysis, Engineering Design, Environmental Assessment</p>	Ongoing	Construction \$260,000



CLIENT / CONTACT	DESCRIPTION OF WORK	DATE OF COMPLETION	COST
<p>Emera Utility Services</p> <p>Lloyd Reid <i>Senior Project Manager</i> P.O. Box F-42508 Freeport Maritime Center Freeport, Grand Bahama, Bahamas Lloyd.reid@emera.com</p> <p>(617) 849-7351 (242) 359-4223 (Cell)</p>	<p>Hydrodynamic Modeling, Coastal Development Risk Analysis, Benthic Resource Mapping, Environmental Impact Assessment</p> 	<p>2012</p>	<p>Est. / Actual-Construction \$85,000</p>



SECTION 8 MINORITY/WOMEN (M/WBE) PARTICIPATION

CGA is not a Minority/Women Business Enterprise. However, CGA recognizes that we have a personal and professional responsibility to reach out to minority-owned firms and is committed to providing development opportunities for them. CGA continually works regularly with these firms and assist them in professional development by providing support, guidance and a work flow knowledge that they can use to plan and grow their own business.

With offices in throughout South Florida, we have a personal and professional vested interest in the success, growth and betterment of our surrounding environment and all of its inhabitants. CGA will continue our efforts to reinvest in the local community and involve minority and women-owned sub-consultants when ever possible in our projects.

CGA's current commitment to use Minority Business Enterprises is evidenced by the use of the following sub-consultants.





SECTION 9 LOCAL BUSINESS PREFERENCE (LBP)

See the following page for the local business form.

BROWARD COUNTY BUSINESS TAX RECEIPT

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT						
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000						
VALID OCTOBER 1, 2013 THROUGH SEPTEMBER 30, 2014						
DBA: Business Name: CALVIN GIORDANO & ASSOCIATES INC				Receipt #: 315-316 Business Type: ENGINEER (ENGINEER SURVEYOR OFFICE CORP)		
Owner Name: DENNIS GIORDANO				Business Opened: 09/07/1999		
Business Location: 1800 ELLER DR 600 FT LAUDERDALE				State/County/Cert/Reg: EB0000514		
Business Phone: 954-921-7781				Exemption Code:		
Rooms	Seats	Employees	Machines	Professionals		
		183				
For Vending Business Only						
Number of Machines:			Vending Type:			
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	4.50	0.00	0.00	0.00	0.00	49.50
<p>THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS</p> <p>THIS BECOMES A TAX RECEIPT WHEN VALIDATED</p> <p>This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.</p>						
Mailing Address:				Receipt #15B-13-00000206		
CALVIN GIORDANO & ASSOCIATES INC 1800 ELLER DR 600 FORT LAUDERDALE, FL 33316				Paid 10/28/2013 4.50		
2013 - 2014						

LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT

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

(1) _____ is a **Class A** Business as defined in City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the City of Fort Lauderdale current year Business Tax Receipt and a complete list of full-time employees and their addresses shall be provided within 10 calendar days of a formal request by the City.
 Business Name

(2) _____ is a **Class B** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the Business Tax Receipt or a complete list of full-time employees and their addresses shall be provided within 10 calendar days of a formal request by the City.
 Business Name

(3) Calvin, Giordano & Associates, Inc. is a **Class C** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the Broward County Business Tax Receipt shall be provided within 10 calendar days of a formal request by the City.
 Business Name

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

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

(6) _____ is considered a **Class D** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. and does not qualify for Local Preference consideration.
 Business Name

BIDDER'S COMPANY: Calvin, Giordano & Associates, Inc.

AUTHORIZED COMPANY PERSON: Shelley Eichner, AICP, Senior Vice President September 26, 2014
 NAME SIGNATURE DATE



SECTION 10 SAMPLE INSURANCE CERTIFICATE



CERTIFICATE OF LIABILITY INSURANCE

CALVI-2 OP ID: E1

DATE (MMDDYYYY)
09/03/2014

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

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

PRODUCER Brown & Brown of Florida, Inc. 1201 W Cypress Creek Rd # 130 P.O. Box 5727 Ft. Lauderdale, FL 33310-5727 Stephen E. Patton, AAI	CONTACT NAME: PHONE (A/C, No, Ext): 954-776-2222 FAX (A/C, No): 954-776-4446 E-MAIL ADDRESS:														
INSURED Calvin, Giordano & Assoc, Inc. Attn: Dennis Giordano 1800 Eller Drive #600 Ft. Lauderdale, FL 33316	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Hartford Casualty Ins. Co</td> <td>29424</td> </tr> <tr> <td>INSURER B : American Guar & Liab Ins Co</td> <td>26247</td> </tr> <tr> <td>INSURER C : Hartford Ins. Co. of the S.E.</td> <td>38261</td> </tr> <tr> <td>INSURER D : Hartford Ins Co of Midwest</td> <td>37478</td> </tr> <tr> <td>INSURER E : Landmark American Ins. Co.</td> <td>33138</td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Hartford Casualty Ins. Co	29424	INSURER B : American Guar & Liab Ins Co	26247	INSURER C : Hartford Ins. Co. of the S.E.	38261	INSURER D : Hartford Ins Co of Midwest	37478	INSURER E : Landmark American Ins. Co.	33138	INSURER F :	
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INSURER E : Landmark American Ins. Co.	33138														
INSURER F :															

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDITIONAL SUBROGATION (INSR. WVD)	POLICY NUMBER	POLICY EFF (MMDDYYYY)	POLICY EXP (MMDDYYYY)	LIMITS
A	<input checked="" type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC		21UUNLK3645	01/01/2014	01/01/2015	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 \$
D	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		21UENJB7000	01/01/2014	01/01/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (PER ACCIDENT) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0		AUC594612804	01/01/2014	01/01/2015	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> N	21WBNO3209	01/01/2014	01/01/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Professional Liab Retention: \$200,000		LHR746782 RETRO DATE 8/27/1959	08/27/2014	08/27/2015	Per Claim 2,000,000 Aggregate 2,000,000

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

CERTIFICATE HOLDER CALVING Calvin, Giordano & Associates, Inc 1800 Eller Drive #600 Ft Lauderdale, FL 33316	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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SECTION 11 JOINT VENTURES

Not applicable.



SECTION 12 SUB-CONSULTANTS

CUMMINS | CEDERBERG Coastal & Marine Engineering

Cummins | Cederberg was founded by Mr. Jason Cummins and Mr. Jannek Cederberg. The two principals have extensive experience in coastal and marine engineering in South Florida, as well as throughout Latin America, and the Caribbean, from both private and public clients. The Principals have experience from initial field investigations such as bathymetric surveying, soil borings, current and wave measurements through detailed analyses utilizing complex computer models and subsequent design of coastal structures, marinas and ports. In addition, they have significant experience in contract negotiations and construction administration

Mr. Cederberg has extensive experience in designing and planning coastal development projects with an emphasis on achieving a waterfront experience characterized by a strong connectivity between the water and upland environment.

Mr. Cummins is a registered Professional Engineer with experience ranging from inception to construction, including: field investigations, feasibility studies, comprehensive coastal engineering analyses, numerical modeling, engineering design, construction drawings, technical specifications and construction oversight

Lakdas/Yohalem Engineering, Inc. (LYE) is a medium sized professional Civil, Structural, Marine & Bridge Engineering firm that has been in practice in South Florida since 1965 and working at the Port since 1980. LYE, is a Certified Business by the State of Florida, Palm Beach and Broward County, and Department of Transportation. Their Engineering services include the following:

STRUCTURAL

- Structural Condition Survey of existing buildings and bridge structures
- Structural Design for new and addition to existing building structures

- Port & Airport Terminal and related building facilities
- Petroleum Facilities, Terminals and Tanks
- Parks and Recreational Projects
- Feasibility Design and Compile Reports
- Damage Assessment and Failure Evaluation of structures
- Water and Wastewater Treatment plant structural design
- Piers, Bulkhead Walls, Marinas, Seawalls and Dock Structures
- Value-Engineering and constructability review of construction documents prepared by others
- On-site Threshold and Special Inspection services during construction
- Construction and Project Management

RADISE International, LC is a premier, Florida based,



minority and small business (DBE, CBE, CDBE, SBE, S/WBE, ACDBE) Geotechnical Engineering and Construction Materials Testing

and Inspection Firm (CEI) that has been in business for over 15 years. They have a staff of 46 engineers, field inspectors and support staff, including 6 PE's, 5 EI's and 6 graduate Civil Engineers, with their senior staff having over 200 years of combined Geotechnical Engineering and Materials Testing and Inspection experience. RADISE performs all drilling in-house with 2 drill rigs. They have significant experience and a solid background in working with both the Public and Private Sectors in South Florida, with continuing service contracts with Cities, Counties, School Districts, and clients like the FDOT, SFWMD, and USACE on operations that run 24/7. RADISE has 2 FDOT Certified Laboratories (Broward & Palm Beach Counties), and is also an FDOT Construction Testing Qualification Program (CTQP) Training Provider. RADISE has no litigation issues and a spotless safety record since inception. They also have offices in Miami, Ft. Lauderdale, and Orlando.



SECTION 13 NON-COLLUSION STATEMENT

See the following page.

NON-COLLUSION STATEMENT:

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

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

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

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

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

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

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

<u>NAME</u>	<u>RELATIONSHIPS</u>
Not Applicable	
_____	_____
_____	_____

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