



# Santa Rosa County

## Board of County Commissioners

**Sheila Fitzgerald, Special Projects/Grants Director**

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### MEMORANDUM

TO: Tony Gomillion  
FROM: Sheila Fitzgerald  
DATE: March 23, 2016  
SUBJECT: Consulting Services for NRDA funded Artificial Reef Project

#### **RECOMMENDATION:**

That the Board acknowledge Taylor Engineering as the highest qualified firm for consultation activities related to the design and deployment of two artificial reefs funded with Natural Resource Damage Assessment (NRDA) grant funds and authorize staff to develop a contract and fee proposal for consideration at the April 11, 2016 meeting.

#### **BACKGROUND**

Santa Rosa County was awarded grant funds through the NRDA process to expand the existing nearshore snorkeling reef and design and construct an inshore fishing reef. Consulting activities is an allowable use of grant funds. At the January 14, 2016 meeting, the board authorized advertisement of an RFQ for consulting services. Proposals were received on Tuesday, March 15, 2016. Five firms submitted proposals. The five proposals were reviewed and ranked independently by:

Michael Schmidt, Asst. County Engineer and Grant Project Manager  
Chris Verlinde, UF/IFAS Fl. Sea Grant Extension & County Reef Coordinator  
Alex Fogg, Fisheries Biologist, Artificial Reef Program with FWC  
Sheila Fitzgerald, Grants Director & NRDA Grant Administrator

The results of the ranking are as follows:

- 1 – Taylor Engineering, Inc.
- 2 – Coastal Systems International, Inc.
- 3 – Wetland Sciences Incorporated
- 4 – CB&I Environmental & Infrastructure, Inc.
- 5 – Emerald Ocean Engineering LLC

Information on Taylor Engineering, Inc. is included as backup. References have been verified and all comments were highly positive.

#### **NEXT STEPS**

The draft contract and fee proposal will be provided to the Board for consideration at the April 11, 2016 meeting.



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**Tab 1. Corporate Overview**

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**Professional Resources**

Since 1983, Taylor Engineering has provided leading-edge solutions for water-related engineering, environmental, and planning challenges. With over 50 employees, Taylor Engineering is the largest Florida-based coastal and water resources engineering firm. Team members include 23 licensed professional engineers (11 coastal, five water resources, two dredging, two civil, and three structural engineers) and 27 persons with advanced degrees in engineering or sciences. These team members' skills and experience include coastal engineering; coastal restoration design; environmental sciences; hydraulic, morphological, and hydrodynamic modeling; coastal, riverine, and estuarine processes; hydrology and hydraulics; structural engineering; civil engineering; and construction administration, observation, and certification. Several senior team members bring additional years of experience working in key coastal engineering positions at federal and state agencies.

**Office Locations**

Taylor Engineering's headquarters are in Jacksonville, Florida; the firm maintains full-service branch offices in Destin, Sarasota, and West Palm Beach, Florida and field offices in Austin, Texas; Savannah, Georgia; and the U.S. Capital region.

**Expertise**

The company focuses its attention on water-related engineering, planning, and environmental challenges with particular emphasis on coastal regions. The company takes on projects—from coastal and environmental restoration, coastal processes analysis, beach nourishment, and coastal structures, to wave and storm-surge modeling, flood control, and flood insurance studies—that cover the spectrum of water-related issues. Each service shares a common characteristic: it supports projects occurring in the water or at the water's edge.

**Key Services**

Key services within our core areas of expertise include:

- Artificial Reef Design & Permitting
- Beach Nourishment
- Shore Protection & Erosion Control
- Coastal Processes Analysis
- Coastal Hydraulics, Wave, & Beach Modeling
- Coastal & Marine Structures
- Waterfront Recreation Facilities
- Dredging & Dredged Material Management
- Hydrology & Hydraulics Analysis & Modeling
- Flood Control & Floodplain Management
- Water Resources Management
- Environmental Assessments, Planning, Permitting, & Restoration
- Mitigation Design
- Port Engineering & Navigation
- Construction Phase Services
- Geographic Information Systems





## Delivering Leading-Edge Solutions

Throughout Taylor Engineering's 30+ years' history, we have developed a well-established portfolio of successful coastal projects. Taylor applies a "long-haul" approach to projects — one that focuses on application of the problem-solution cycle of engineering and program development. Taylor Engineering bases this effort on its commitment to providing a life-cycle approach to the art and science of delivering leading-edge solutions in the water environment. This philosophical approach has served Taylor Engineering well for over 30 years.

### Closing

Taylor Engineering's principal client base has always been county and other government clients. This history of service to governments at all levels throughout Florida has fostered our understanding of the demands placed on government officials — limited budgets, multiple stakeholders, and a mandate to serve the community effectively and efficiently. We always work to provide the highest level of client service, to exceed the client's expectation, and to deliver high quality projects to meet community needs.



*Taylor Engineering's Life-Cycle Approach to Providing Leading-Edge Solutions*

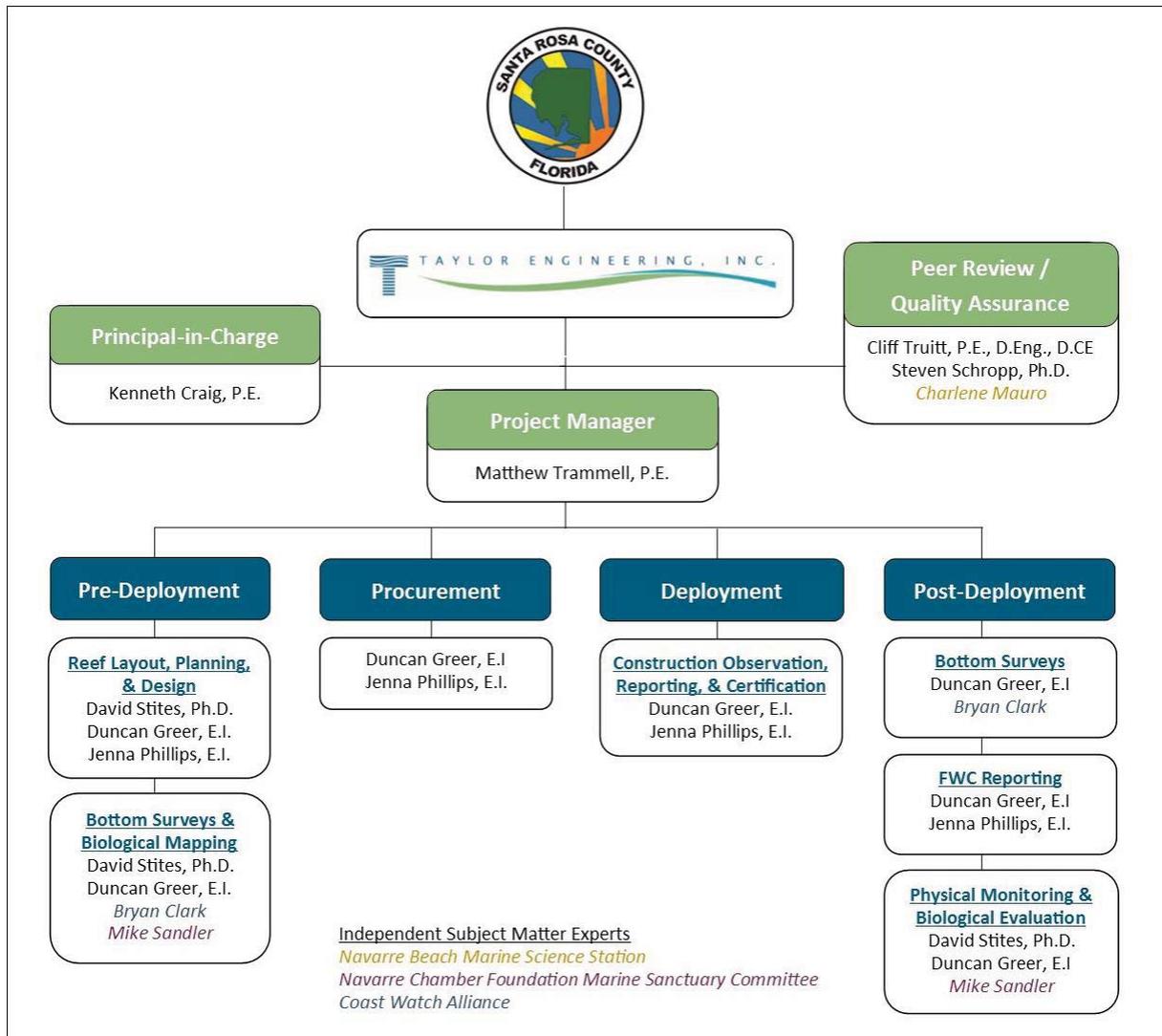
We contend that few companies, if any, can match Taylor Engineering's combination of assets: our superb working relationship with local, federal, and state agency personnel; our proven success with artificial reef and beach planning, management, and engineering projects; and our dedicated, local Florida-based staff. Specifically, for Santa Rosa County, no other engineering firm can show the same level of experience on artificial reef projects or match our understanding of local areas possessed by Taylor Engineering's project manager, Matthew Trammell, P.E. We intend for this package to underscore a salient point — namely, that *no other company headquartered in Florida can match Taylor Engineering's depth and breadth of corporate experience in this field of practice.*





Tab 2. Key Personnel

Organizational Chart



As identified on the above organizational chart, key personnel from Taylor Engineering are joined by subject matter experts with direct, relevant artificial reef experience in Santa Rosa County:

- Cheryl Mauro with the Navarre Beach Marine Science Station
- Bryan Clark with Coast Watch Alliance
- Mike Sandler (and other volunteers) with the Navarre Chamber Foundation Marine Sanctuary Committee

Qualifications summaries for all personnel identified on the organizational chart are below. Licenses and resumes for Taylor Engineering key personnel are located at the end of this tab.

