

**Board of
Commissioners Meeting
January 20, 2017**

FLORIDA INLAND NAVIGATION DISTRICT
Board of Commissioners Meeting

9:00 a.m., Friday, January 20, 2017

The Casa Monica Hotel
95 Cordova Street
St. Augustine (St. Johns County), FL 32084-4424

Item 1. Call to Order.

Chair Cuozzo will call the meeting to order.

Item 2. Pledge of Allegiance.

Commissioner Blow will lead the Pledge of Allegiance to the United States of America.

Item 3. Roll Call.

Secretary Donaldson will call the roll.

Item 4. Consent Agenda.

The consent agenda items are presented for approval. Commissioners may remove any items from this agenda that they have questions on or would like the Board to discuss in depth. Any items removed would then be included in the regular agenda in an order assigned by the Chair.

- a) Volusia County St Johns River Waterway Cleanup Program Funding Request, Volusia County, FL.
- b) Miami-Dade County Baynanza Waterway Cleanup Program Funding Request, Miami-Dade County, FL.
- c) Brevard County Small-Scale Derelict Vessel Removal Program Application, Brevard County, FL.

(Please see back up pages 6-16)

RECOMMEND: Approval of the Consent Agenda.

Item 5. Additions or Deletions.

Any additions or deletions to the meeting agenda will be announced.

RECOMMEND: Approval of a Final Agenda.

Item 6. Public Comments.

The public is invited to provide comments on issues that are NOT on today's agenda. All comments regarding a specific agenda item will be considered following Board discussion of that agenda item. *Please note: Individuals who have comments concerning a specific agenda item should fill out a speaker card and communicate with staff prior to that agenda item.*

Item 7. Board Meeting Minutes.

The minutes of the following meetings are presented for approval.

- December 16, 2016 – Finance & Budget Committee Mtg. (Pls see back up pages 17-20)
- December 16, 2016 – Board Meeting (Please see back up pages 21-43)

RECOMMEND: Approval of the minutes as presented.

Item 8. Staff Report on St. Johns County Area Projects.

Staff will present a report on the District's St. Johns County area projects .

(Please see back up pages 44-63)

Item 9. Comments from the U.S. Army Corps of Engineers.

U.S. Army Corps of Engineers (USACE) Intracoastal Waterway Project Manager, Ms. Lacy Pfaff, is scheduled to present an update on projects and activities.

(Please see back up pages 64-70)

Item 10. Scope of Work and Fee Quote for Additional Analysis and Presentation of Information for Commercial-Industrial Waterway Access within the District's Twelve Member Counties, FL.

Following the initial study and December 16, 2016 presentation by Planning Solutions Corp (PSC), the Board requested staff solicit an additional scope and fee quote to continue the effort to identify and promote Commercial/Industrial Waterway access within the twelve counties of the District.

PSC has provided a scope and fee quote in the amount of \$180,505 (or about \$15,000 per county) to complete "Phase II" of this study effort. If approved, PSC could begin presentations as early as March (Duval) or April (Flagler), with County site-specific assessments completed and presentation prepared for that County.

The proposal also seeks to coordinate with the District's Economic Consultant (Task 6).

(Please see back up pages 71-74)

RECOMMEND Approval of scope and fee quote from Planning Solutions Corp in the amount of \$180,505.00 for Phase II of a District-wide Commercial/Industrial Waterway Access Inventory Plan, including County-specific presentations.

Item 11. Project Bid Approval for Weir Replacement at Dredge Material Management Area DU-2, Duval County, FL.

Taylor Engineering and District staff have been working to replace the failing weir at Dredged Material Management Area (DMMA) DU-2. This site is expected to be utilized for non-beach compatible material during the forthcoming Nassau County Reach 1 dredging project. Bids were originally opened for the project on November 22, 2016, and only two bids were received. Both bids were well over the engineering estimate for this project and were rejected.

The project was re-advertised and bids were opened on January 12, 2017. The results of bids will be tabulated and presented for Board review and approval at the January 20, 2017 Board meeting.

(Please see back up pages 75-80)

RECOMMEND Approval of the low qualified bid for weir replacement at DMMA DU-2, Duval County, FL.

Item 12. Revised Scope of Services and Fee Proposal for Professional Engineering Services, St. Lucie County Reach 1 Dredging Project, Permitting and Design, St. Lucie County, FL

At the December 16, 2016 Board meeting, the Board authorized staff to expend up to \$50,000.00 with Taylor Engineering to coordinate with St. Lucie County on the forthcoming St. Lucie Reach 1 Dredging Project. The County has requested any beach-compatible material from the Intracoastal Waterway (IWW) dredging project be placed directly on the severely eroded beaches south of Fort Pierce Inlet.

Taylor Engineering has already initiated this effort and has provided the attached scope and fee quote for this work. In addition, staff is requesting a change order in the amount of \$46,000.00 of funding remaining from the initial work order from this project to be utilized to conduct the additional core borings required to test for beach-compatible material within the IWW.

Taylor Engineering will also provide a brief update on the status of this project.

(Please see back up page 81-119)

RECOMMEND: Approval of a proposal and fee quote from Taylor Engineering in the amount of \$49,885.92 and approval of a change order in the amount of \$46,000.00 to re-evaluate and redesign the St. Lucie Reach 1 Dredging Project, within and in cooperation with St. Lucie County, FL.

Item 13. Lease of Material Storage Area (MSA) 617C for Public Reef Construction
Material Staging, Palm Beach County, FL.

Vance Construction has requested a 1-month lease (with a possible one (1) month extension) of Material Storage Area (MSA) 617C in Palm Beach County for material staging and waterway access. This project is a Palm Beach County Environmental Resources Management public reef construction project.

(Please see back up pages 120-131)

RECOMMEND Approval of a one (1) month lease agreement (with possible one month extension) with Vance Construction Company, for the temporary use of M A 617C, Palm Beach County, FL.

Item 14. Revised Scope of Services and Fee Proposal for Professional Engineering
Services, Nassau County Reach 1 Dredging Project, Fernandina Harbor
Alternate Bid Analysis, Nassau County, FL

At the December 16, 2016 Board meeting, the Board requested staff and Taylor Engineering to coordinate with the City of Fernandina Beach on the forthcoming maintenance dredging project for Nassau County Reach 1. The City is in need of maintenance dredging of the public marina and they may be able to save time, effort and funding by coordinating their project with the dredging of the Atlantic Intracoastal Waterway (AIWW).

Taylor Engineering has provided a scope and fee quote in the amount of \$19,434.00 to facilitate this coordination and determine suitability and capacity of Dredged Material Management Area (DMMA) NA-1.

Taylor Engineering will also provide a brief update on the status of this project.

(Please see back up page 132-140)

RECOMMEND: Approval of a proposal and fee quote from Taylor Engineering in the amount of \$19,434.00 to include the City of Fernandina Beach Marina Harbor as an alternate bid in the maintenance dredging of Nassau Reach 1, Nassau County, FL.

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Item 15. Major Project Cost Estimate Modification Request - Town of Marineland Marina Phase B Waterways Assistance Program Project, Flagler County, FL.

The Town of Marineland has submitted a request for a major project cost modification to their Waterways Assistance Program (WAP) project - Marineland Marina Phase B (Project #FL-ML-14-24). In 2015, a minor cost modification was approved by the FIND Executive Director and the Flagler County FIND Commissioner. After having received final contractor pricing for the project, the Town is requesting to shift funding among individual project elements. The cost of dredging and dock construction has decreased, while the cost of constructing the dock master's facility has increased. The overall District project cost share of this project will remain the same, as will the Town's match. As a major cost-estimate modification, Board approval is required.

(Please see back up page 141-144)

RECOMMEND Approval of a major project cost estimate modification to Project Agreement #FL-ML-14-24, Marineland Marina Phase B Project, Flagler County, FL.

Item 16. Finance and Budget Committee Report.

The District's Finance and Budget Committee met prior to the Board meeting and will provide their recommendations concerning items on the Committee's agenda.

(Please refer to the Finance and Budget Committee Agenda Package)

RECOMMEND: Approval of the recommendations of the District's Finance and Budget Committee.

Item 17. Washington D.C. Report.

The District's federal governmental relations firm has submitted a status report concerning activity on the District's federal issues.

(Please see back up pages 145-148)

RECOMMEND: *([his item is presented for Board review and discussion only.)*

Item 18. Additional Staff Comments and Additional Agenda Items.

Item 19. Additional Commissioners Comments.

Item 20. Adjournment.

If a person decides to appeal any decision made by the board, agency, or commission with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

PRELIMINARY CONSENT AGENDA

FLORIDA INLAND NAVIGATION DISTRICT Board of Commissioners Board Meeting

9:00 a.m., Friday, January 20, 2017

**The Casa Monica Hotel
95 Cordova Street
St. Augustine (St Johns County), FL 32084-4424**

Item A. Volusia County St Johns River Waterway Cleanup Program Funding Request, Volusia County, FL.

Volusia County has submitted a funding assistance request for a Waterway Cleanup event to be held on April 22, 2017. The District has funded this successful cleanup in the past. The request is consistent with the District's program rules.

(Please see back up pages 7-9)

RECOMMEND Approval of Volusia County's request for \$5,000 from the District's Waterway Cleanup Program for the annual St Johns River Cleanup, Volusia County, FL.

Item B. Miami-Dade County Baynanza Waterway Cleanup Program Funding Request, Miami-Dade County, FL.

Miami-Dade County has submitted a funding assistance request for the Baynanza River Cleanup (April 22, 2017). The District has funded this successful cleanup in the past. The request is consistent with the District's program rules.

(Please see back up pages 10-13)

RECOMMEND Approval of Miami-Dade County's request for \$10,000 from the District's Waterway Cleanup Program for the 3Waterway Cleanups, Miami-Dade County, FL.

Item C. Brevard County Small-Scale Derelict Vessel Removal Program Application, Brevard County, FL.

Brevard County has submitted a funding assistance request for the removal of twenty-six (26) derelict vessels located on the District's waterways within Brevard County. The total project cost is estimated to be \$85,000. Consistent with Rule 66B-2.015, Small-Scale Derelict Vessel Removal Projects, the project is eligible for up to 75% District funding reimbursement. The County is applying for FFWCC Derelict Vessel Removal Grant funding and is requesting \$30,000 (35%) District funding reimbursement.

(Please see back up pages 14-16)

RECOMMEND Approval of the Brevard County's request for up to \$30,000 cost-share through the District's Small-Scale Derelict Vessel Removal Projects program, Brevard County, FL.



**Growth and Resource Management Department
Environmental Management**

123 West Indiana Avenue • Room 202 • DeLand, FL. 32720
Phone (386) 736-5927 • (386) 254-4612 • (386) 423-3303
Fax (386) 740-5193
www.volusia.org

January 4, 2017

Mr. Mark Crosley
Assistant Director
Florida Inland Navigation District
1314 Marcinski Road
Jupiter, FL 33477

Dear Mr. Crosley,

Attached for the Governing Board's consideration is a request for Waterway Cleanup Assistance funding for the 21st Annual St. Johns River Cleanup to be held on April 22, 2017.

The St. Johns River Cleanup site locations for 2017 are:

- Ninemile Point Park, at the West end of Ninemile Point Road, Pierson
- DeLeon Springs State Park, 601 Burst Park Road, DeLeon Springs
- Ed Stone Park, 2990 W. State Road 44, DeLand
- Lake Beresford Park, 2100 Fatio Road, Deland
- French Avenue boat launch / Starks Landing, Orange City
- Lake Monroe Park, 975 S. U.S. 17-92, DeBary
- Lemon Bluff boat ramp, 907 Lemon Bluff Rd., Osteen
- C.S. Lee Park, 4600 East S.R. 46, Geneva

The Governing Board has generously supported the work of Volusia County historically, and this request would continue that valued tradition. Environmental Management is honored to sponsor this funding request and would administer the grant monies according to program guidelines. Please see the attached documents and let me know if any other information is needed. I can be reached directly at (386)736-5927 ex 12729 or jcoil@volusia.org.

Sincerely,

Joan Coil
SJR Cleanup Coordinator

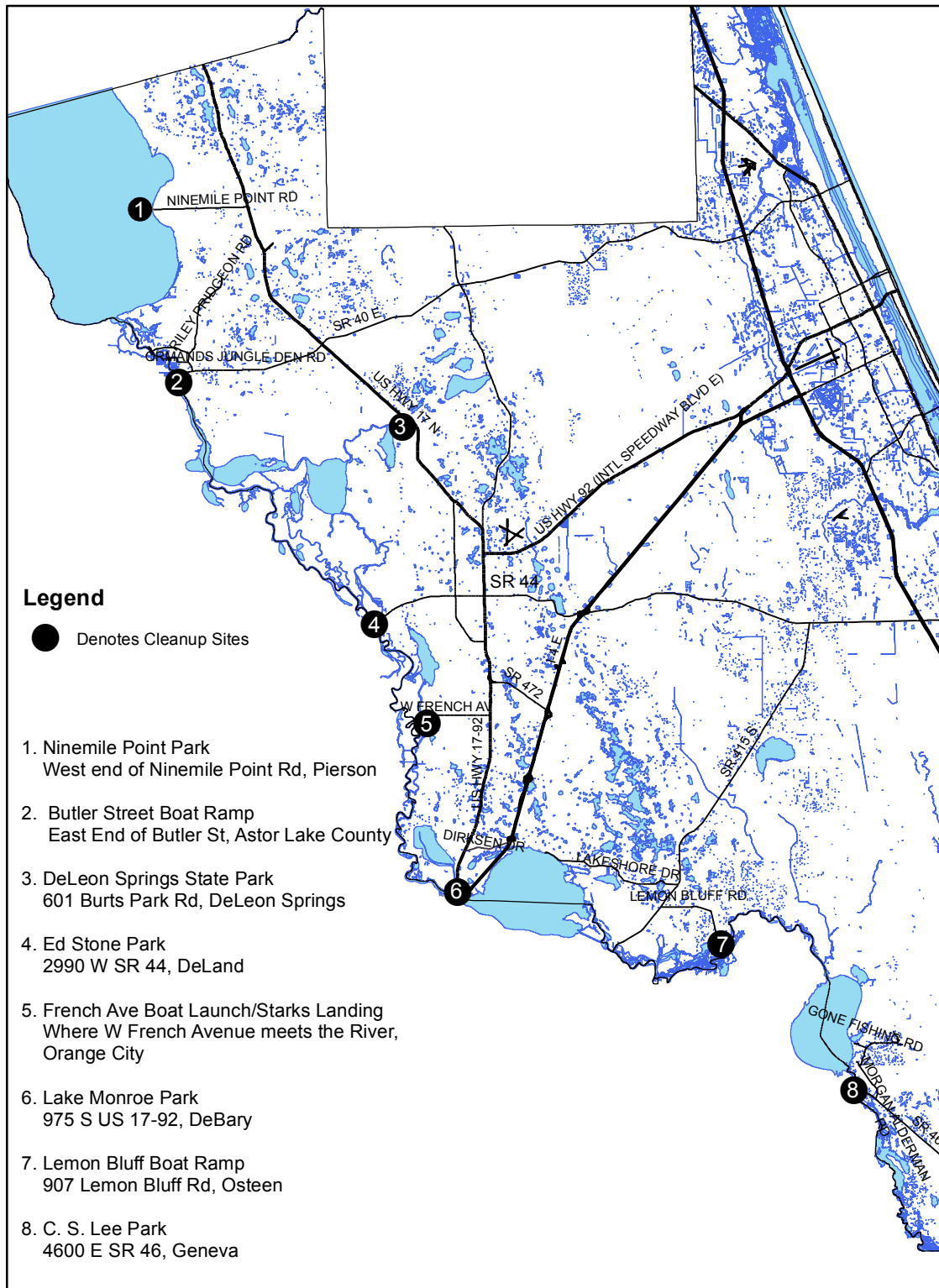
**FLORIDA INLAND NAVIGATION DISTRICT
WATERWAY CLEANUP ASSISTANCE PROGRAM**

PROJECT COST ESTIMATE

PROJECT TITLE: 21st Annual St. Johns River Cleanup, 22 April 2017

APPLICANT: Volusia County Environmental Management

Expenditures:	Estimated	Applicant	FIND
Staff Mileage	150.00	150.00	
Beach towel and promotional items	9092.89	4092.89	5000.00
Staff Time	3540.00	3540.00	
Posters	75.00	75.00	
Office Supplies -	150.00	150.00	
Signs	35.00	35.00	
Grainger – Gloves	200.00	200.00	
Koan Mini Storage-store cleanup materials	1441.00	1441.00	
Total Expenses	\$13,591.00	\$9683.89	\$5000.00





Carlos A. Gimenez, Mayor

Department of Regulatory and Economic Resources

Environmental Resources Management

701 NW 1st Court, 2nd Floor

Miami, Florida 33136-3912

T 305-372-6784 F 305-372-6419

miamidade.gov

December 6, 2016

Janet Zimmerman, Assistant Executive Director
Florida Inland Navigation District (FIND)
1314 Marcinski Road
Jupiter, FL 33477

Re: Request for Sponsorship Funding Towards Baynanza 2017

Dear Ms. Zimmerman:

I am happy to inform you that Miami-Dade County is already working on the celebration of Baynanza 2017. We have greatly appreciated the support for our annual Baynanza Biscayne Bay Cleanup Day by the Florida Inland Navigation District (FIND) in past years, and look forward to working together again with FIND in 2017.

The 35th annual Biscayne Bay Cleanup Day is scheduled for April 22, 2017, and is expected to draw over 6,000 community participants. These volunteers from all over Miami-Dade County are dedicated to cleaning our shores and nearby islands of debris.

The Florida Inland Navigation District has been an outstanding supporter of Baynanza, and we are looking forward to maintaining our partnership. For this purpose, we are asking for the same contribution from previous years of \$10,000 from FIND. This contribution will assist us with the funding of the Baynanza t-shirts that are provided to all participating volunteers. The cost of the t-shirts is approximately \$26,000 for 7,200 shirts (see attached). Baynanza t-shirts help generate excitement about participation in this event and are an essential element in educating our community about the importance of protecting our waterways and marine environment. In return for your sponsorship, FIND's logo will appear in the Baynanza 2017 marketing materials, including the commemorative t-shirt and Calendar of Events.

The funds contributed towards Baynanza 2017 will be managed by the Miami-Dade County Division of Environmental Resources Management (DERM), and this event will be coordinated under my direct supervision.

Delivering Excellence Every Day

MIAMI-DADE
COUNTY

Baynanza's History

Baynanza was created in 1982 in an effort by Miami-Dade County to save Biscayne Bay, and to date, it's the largest coastal cleanup in South Florida. This program was created when local community leaders and Miami-Dade County joined forces with other government and private agencies to raise awareness about the dire conditions of one of our most important natural resources, Biscayne Bay. At the time, the Bay was being threatened by the direct impact of pollution from sewage runoff, marine debris, and other contaminants. The main idea for the creation of Baynanza was to get the community involved in the efforts to bring Biscayne Bay back to life, and the name came from a play of words between bonanza and bay. Thirty-four years later, the Baynanza Biscayne Bay Cleanup Day, has become a staple in the local efforts to clean our coastal areas and community awareness. On this day, thousands of volunteers go out to more than twenty sites throughout Miami-Dade County to pick up several tons of trash from the shorelines and nearby islands of the Bay. But Baynanza is more than just a 1-day event. This internationally known program is comprised of more than 45 great environmental events organized by several local agencies and sponsors. Overall, Baynanza runs from March to April every year, giving the community an array of educational events to choose from.

Baynanza's Current Success


Miami-Dade County hosted the 34th anniversary of the Baynanza Biscayne Bay Cleanup Day on Saturday, April 16, 2016. Almost 6,000 community volunteers participated at 20 cleanup sites. At the end of the day, the Baynanza volunteers managed to collect 38.5 tons of trash from the shoreline of Biscayne Bay.

Baynanza 2017

The Baynanza 2017 Biscayne Bay Cleanup Day is scheduled to take place on Saturday, April 22nd and is expected to draw over 6,000 community participants. These volunteers will help to clean 23 sites and 16 islands in Biscayne Bay (see attached). Collectively, we hope to pick up more than 38 tons of trash from our waterways.

We greatly appreciate your support for Baynanza 2017. Should you have any questions, please do not hesitate to contact me at 305-372-6422 or BalforH@miamidade.gov.

Best Regards,



Herb Balfour
Baynanza Coordinator
Miami-Dade County RER-DERM

Baynanza Biscayne Bay Cleanup Day 2017 Budget		
Description	Cost	Contributions
Sanitation Equipment & Supplies (toilets, dumpsters, recycle trash, biohazard disposal)	\$10,000	
Commemorative t-shirts (7,200 shirts)	\$26,000	From FIND \$10,000
Staff Day of the Event	\$24,000	
Staff Event Planning	\$15,000	
Event Supplies (water, ice, garbage bags, etc.) for the volunteers	\$2,500	
Cargo Equipment Rental / Services / Storage PODs / Parks Showmobile	\$6,000	
Site Signage and Banners	\$500	
Commemorative Calendar of Events	\$6,500	
Miscellaneous Supplies	\$1,000	
Registration Forms (2,000 copies)	\$500	
Cleanup Sites Organizer's Kit (Safety kits, etc)	\$2,000	
Postage	\$2,000	
Transportation (Vehicles / Vans)	\$2,000	
Total	\$98,000	\$10,000

BISCAYNE BAY **CLEANUP** SITE MAP DAY



Be sure to
BRING:

Workgloves • Water and snacks • Insect repellent
Sunscreen • Hat • Comfortable closed toe shoes

ATTACHMENT A
FLORIDA INLAND NAVIGATION DISTRICT
SMALL-SCALE DERELICT VESSEL REMOVAL PROGRAM APPLICATION

Applicant: Brevard County

Project Title: 2016-2017 Derelict Vessel Removal

Contact Person: Lydia E. Jackson

Title: Project Coordination Specialist

Address: 2725 Judge Fran Jamieson Way Bldg. A Room 219, Viera FL

Zip Code: 32940

Telephone: 321-633-2016 Fax: 321-633-2029

Email: Lydia.jackson@brevardcounty.us

Number of Vessels and waterway locations: 26 vessels in the Indian River & Banana River
(Please include pictures and map locations on a separate worksheet) Attachment A-1

Vessel Distance from the Intracoastal Waterway: Attachment A-1

Total Estimated Costs to removal all vessels: \$ 85,000.00; FIND Funding Requested: \$30,000.00
% of total cost: 35%. Please complete and attach a cost estimate sheet (Form # 01-06) for each vessel to be removed, in addition to a contractor bid sheet)

Amount and Source of Applicants Matching Funds: \$54,975.00 FWC Funds & \$25 County Funds

Other (non-FIND) Assistance applied for (name of program and amount): N/A

Have all vessels been identified by the Florida Fish & Wildlife Conservation Commission (FFWCC) (or other applicable marine law enforcement agency) as derelict? Yes If not, explain: _____

Have all necessary permits and or approvals been approved for the removal of the derelict vessels?

If not, please explain: FLDEP/ACOE applications are in process and permits are pending. No work will take place until all permits are received.

I hereby certify that the information provided in this application is true and accurate.

SIGNATURE:  DATE: 12/9/16

**ATTACHMENT B
FLORIDA INLAND NAVIGATION DISTRICT
SMALL-SCALE DERELICT VESSEL REMOVAL PROGRAM APPLICATION**

PROJECT COST ESTIMATE

(See Rule Sections 66B-2.005, 2.008 & 2.015 for eligibility and funding ratios)

APPLICANT: Brevard County

PROJECT: 2016-2017 Derelict Vessel Removal

VESSEL LOCATION AND IDENTIFICATION: 23 vessels in the Indian River & Banana River

Project Elements	Quantity Estimated Cost	Applicant's Cost	FIND Cost
DV-1 Removal/Disposal	\$3000	\$2250	\$750
DV-2 Removal/Disposal	\$3000	\$2250	\$750
DV-3 Removal/Disposal	\$3000	\$2250	\$750
DV-4 Removal/Disposal	\$3000	\$2250	\$750
DV-5 Removal/Disposal	\$4400	\$3300	\$1100
DV-6 Removal/Disposal	\$3000	\$2250	\$750
DV-7 Removal/Disposal	\$2500	\$1875	\$625
DV-8 Removal/Disposal	\$3500	\$2625	\$875
DV-9 Removal/Disposal	\$3000	\$2250	\$750
DV-10 Removal/Disposal	\$3400	\$2550	\$850
DV-11 Removal/Disposal	\$4500	\$3375	\$1125
DV-12 Removal/Disposal	\$4500	\$3375	\$1125
DV-13 Removal/Disposal	\$4500	\$3375	\$1125
DV-14 Removal/Disposal	\$3000	\$2250	\$750
DV-15 Removal/Disposal	\$6000	\$4500	\$1500
DV-16 Removal/Disposal	\$2500	\$1875	\$625
DV-17 Removal/Disposal	\$3500	\$2625	\$875
DV-18 Removal/Disposal	\$2000	\$1500	\$500
DV-19 Removal/Disposal	\$500	\$375	\$125
DV-20 Removal/Disposal	\$3000	\$2250	\$750
DV-21 Removal/Disposal	\$3000	\$2250	\$750
DV-22 Removal/Disposal	\$2200	\$1650	\$550
DV-23 Removal/Disposal	\$2300	\$1725	\$575
DV-24 Removal/Disposal	\$4500	\$25	\$4475
DV-25 Removal/Disposal	\$4800	\$0	\$4800
DV-26 Removal/Disposal	\$2400	\$0	\$2400

**** TOTALS =** \$ \$85,000.00 \$ 54,975.00 \$ 30,000.00

****Costs are estimates based on contractor's quotes and may not reflect actual costs.**

2016-17 Derelict Vessels



**MINUTES OF THE
FLORIDA INLAND NAVIGATION DISTRICT**

Finance and Budget Committee Meeting

8:45 a.m., Friday, December 16, 2016

The Shores

2637 South Atlantic Avenue

Daytona Beach Shores, Volusia County, Florida 32118-5643

ITEM 1. Call to Order.

Committee Chair McCabe called the meeting to order at 8:37 a.m.

ITEM 2. Roll Call.

Assistance Executive Director Janet Zimmerman called the roll and Committee Chair McCabe, Secretary Donaldson, Commissioner Blow and Commissioner Sansom were present. Ms. Zimmerman stated that a quorum was present.

ITEM 3. Additions or Deletions.

Committee Chair McCabe asked if there were any additions or deletions to the meeting agenda. Mr. Crosley stated that there were no additions or deletions to the meeting agenda.

Mr. Crosley noted that that a current Interest and Term of Funds sheet had been distributed to commissioners and staff.

Commissioner Blow made a motion to approve the agenda as presented. The motion was seconded by Secretary Donaldson. Committee Chair McCabe asked for any further discussion, hearing none, a vote was taken and the motion passed unanimously.

ITEM 4. Public Comments.

Committee Chair McCabe asked if there were any public comments on issues that are not on today's agenda. There were none.

ITEM 5. Financial Statements for October 2016.

Mr. Crosley presented the District's October 31, 2016 financial statements. He noted that October is the beginning of the District's Fiscal Year.

Mr. Crosley stated that the District's Seacoast Checking account reflects the October tax revenue collections. It is not unusual for the District to spend more revenue than collected during the month of October. The District traditionally collects most of the new tax revenue from November to January.

Mr. Crosley stated that a First Atlantic CD will be coming up for renewal in January 2017 and staff is shopping interest rates. Interest rates are slowly increasing.

Mr. Crosley stated that the third payment on the MSA 726 project has been made and the project is almost complete. He asked for questions, there were none.

Commissioner Blow made a motion to approve a recommendation to the full Board financial statements for October 2016. The motion was seconded by Commissioner Sansom. Committee Chair McCabe asked for any additional discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 6. October 2016 Budget Summary and Project Status Expenditure Reports.

Mr. Crosley presented the Budget Summary and Project Status Expenditure Reports for October 2016. He asked for questions. There were none.

ITEM 7. Delegation of Authority Report.

Mr. Crosley presented the Executive Director's Delegation of Authority Report and stated that five (5) actions were taken from November 9, 2016 December 5, 2016.

Mr. Crosley stated that after Hurricane Matthew, he approved debris removal from DMMA SJ-20A. He noted that there will be additional trees and debris removed from District properties and adjacent neighbor's yards, and that information will be included in next month's report.

Mr. Crosley stated that he approved an agreement for survey work at DMMA M-8, St. Lucie County, Florida.

Mr. Crosley stated that he approved clearing work to provide site access to MSA 641A. He asked for questions. There were none.

ITEM 8. Additional Agenda Items or Staff Comments.

Committee Chair McCabe asked if there were any additional agenda items or staff comments.

Mr. Crosley stated that the construction bids for DMMA O-7 came in and are under budget. The United States Army Corps of Engineers (USACE) has returned \$1,042,956.00 to the District. Those funds will be re-allocated in February 2016. A small amount of funding was retained by the USACE for change orders, etc.

ITEM 9. Additional Commissioners Comments.

Committee Chair McCabe asked if there were any additional Commissioner comments. There were none.

ITEM 10. Adjournment.

Committee Chair McCabe stated that hearing no further business the meeting was adjourned at 8:54 a.m.

**MINUTES OF THE
FLORIDA INLAND NAVIGATION DISTRICT**

Board of Commissioners Meeting

9:00 a.m., Friday, December 16, 2016

The Shores

2637 South Atlantic Avenue

Daytona Beach Shores, Volusia County, Florida 32118-5643

ITEM 1. Call to Order.

Vice-Chair Netts called the meeting to order at 9:00 a.m.

ITEM 2. Pledge of Allegiance.

Vice-Chair Netts led the Pledge of Allegiance to the Flag of the United States of America.

ITEM 3. Roll Call.

Secretary Donaldson called the roll and Vice-Chair Netts, Treasurer McCabe and Commissioners Blow, Chappell, Isiminger, Osteen, Sansom, and Williams were present. Chair Cuozzo and Commissioner Crowley were absent. Secretary Donaldson stated that a quorum was present.

ITEM 4. Consent Agenda.

Vice-Chair Netts asked if there were any comments or questions regarding the Consent Agenda. There were none.

Commissioner Williams made a motion to approve the Consent Agenda as presented. The motion was seconded by Commissioner O'Steen. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 5. Additions or Deletions.

Vice-Chair Netts asked if there were any additions or deletions to the meeting agenda.

Mr. Crosley stated that he would like to add to the agenda: Item 17B. Agreement, Scope of Work and Fee Quote for the Economic Update of Palm Beach County, Florida; Item 17C, Bid Approval – Intracoastal Waterway Maintenance Dredging Palm Beach Reach I, Near the Jupiter Inlet; and Item 17D, St. Lucie County Letter.

Mr. Crosley stated that because a representative from the U.S. Army Corps of Engineers (USACE) is not at today's meeting, he would like to delete from the agenda: Item 9, Comments from the U.S. Army Corps of Engineers.

Commissioner Williams stated that he would like to discuss additional dredging of Fernandina Beach Marina.

Mr. Crosley stated that he would like to add to the agenda: Item 5A, Dredging Fernandina Beach Marina.

Commissioner Blow stated that he would like to discuss the Summerhaven River project. Mr. Crosley suggested discussing the item under: Item 18, Additional Commissioner Comments.

Commissioner Chappell made a motion to approve the final agenda as amended. The motion was seconded by Commissioner Williams. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 5A. Dredging Fernandina Beach Marina.

Commissioner Williams stated that he would like to discuss adding dredging of the Fernandina Beach Marina to the District's Nassau County Dredging Project. Mr. Crosley

stated that the District is not at the bid stage for that project and it could be added as a future additional agenda item. Commissioner Williams stated that he would like to discuss the item today to determine if the Board is in favor of the additional project before he takes it to the City Commission for discussion. Mr. Crosley stated that if the question is dredging additional material and use of the District's site, with the Board's permission, he could task Taylor Engineering to review the project and bring it back as a subsequent agenda item.

Commissioner Sansom asked if this would give Commissioner Williams the time that he needs. Commissioner Williams stated that Taylor Engineering has indicated that the material could cost \$10.50 per cubic yard, which is a savings from the \$31.00 per cubic yard cost for the city to do the project separately.

Commissioner Blow suggested writing a letter to the City of Fernandina Beach stating the FIND is willing to consider allowing the marina's dredging project to be completed with the District's dredging project.

Mr. Crosley asked Mr. Scarborough if the District's dredging project plans and specifications have been completed. Mr. Scarborough stated that the Nassau County dredging plans and specifications have been completed. This additional dredging could be added to the plans and specifications.

Mr. Crosley stated that with the Board's approval he could write a letter, requesting an engineering review and cost estimate to add the project to the plans and specifications to the Nassau dredging project. If the cost is within his authority, he could approve moving forward with the project. If the additional project cost is over his spending authority, he would bring it to the Board in January for approval.

Dr. Taylor stated that he would prepare an estimate now.

Commissioner Sansom made a motion to approve moving forward with writing a letter to the City of Fernandina Beach conceptually approving the additional dredging of the Fernandina Beach Marina, subject to the capacity of DMMA NA-1 to handle the additional dredged material. The motion was seconded by Secretary Donaldson. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 6. Public Comments.

Vice-Chair Netts asked if there were any public comments on issues that are not on today's agenda.

Mr. Clay Henderson, for the Florida Audubon Society, stated that earlier this week he met with Treasurer McCabe regarding the Florida Fish & Wildlife Conservation Commission (FWC) identifying Spoil Island V-7 as a Critical Wildlife Area (CWA) for additional bird protection. The Audubon Society has been involved in wildlife protection for over 100 years as ordered by President's Roosevelt and Taft.

Mr. Henderson stated that in 1960, Mr. Russell Mason representing the Florida Audubon Society, worked with FIND to establish Spoil Island V-7 as a bird sanctuary, and the Florida Audubon Society has been completing bird surveys of Spoil Island V-7 since then.

Mr. Henderson stated that recently, the Florida Audubon Society has been working with the FWC to obtain official CWA protection of Spoil Island V7. This official protection requires land owner consent. The FWC only establishes critical wildlife areas if the property owners agree. There was conflicting information about who owned the Port

Orange island, with some records indicating it is owned by the state and managed by FIND. The item was pulled from the FWC's agenda.

Mr. Henderson stated that The Florida Audubon Society would like to work with FIND to seek legal protection of Spoil Island V7. The society will post signs on the island, contact the USACE for concurrence, and try to come to a mutual outcome for Spoil Island V-7.

Mr. Henderson stated that he respects FIND and the work that FIND does and he sincerely appreciates the partnership that FIND and the Florida Audubon Society have had since 1960. He stated that he is confident that the agencies can work together to protect the birds and FIND's interests.

ITEM 7. Board Meeting Minutes.

Vice-Chair Netts asked if there were any comments or questions regarding the November 19, 2016 Finance & Budget Committee and Board Meeting Minutes.

Commissioner Blow requested that a change be made to the November 19, 2016, Board Meeting Minutes, Item 9, to read: that when Ms. Trulock talks about the Summerhaven River project she refers to the "county" and it should state, "the St. Augustine Port Waterway and Beach District i.e. "Port District". Also, Ms. Trulock was discussing the Summerhaven River Change Order for "\$260,000.00" and it should say "\$400,000.00."

Commissioner Isiminger requested that a change be made to the November 19, 2016, Board Meeting Minutes, Item 13, to read: Commissioner Isiminger "referenced the constructions plans and specifications and asked if the plans are similar to previous project plans at this Inlet."

Treasurer McCabe made motion to approve the November 19, 2016 Personnel Committee, Finance & Budget Committee and Board Meeting Minutes as amended. The motion was seconded by Commissioner Williams. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 8. Staff Report on Volusia County Area Projects.

Mr. Crosley stated that Phase I of the Dredged Material Management Plan (DMMP) for the Intracoastal Waterway (IWW) in Volusia County was completed in 1993. Phase II of the DMMP was completed in 1994 and all major land acquisition was completed in 1997.

Mr. Crosley stated that there are six (6) identified Intracoastal Waterway (IWW) dredging reaches within Volusia County supported by seven (7) Dredged Material Management Areas (DMMA's) that have been identified and purchased for waterway maintenance. The 50-year dredging projection is 4.2 million cubic yards. The storage projection is 9 million cubic yards.

Mr. Crosley stated that to date, three (3) of the seven (7) Dredged Material Management Areas (DMMA) in the county, MSA 434/434C, V-26 and V-29, have been fully constructed. In 2006, 780,000 cubic yards of beach quality material was offloaded from MSA 434/434C and placed on the beaches of New Smyrna to repair storm damage impacts. It will be necessary to again offload the island with the next dredging event.

Mr. Crosley stated that all DMMA's with the exception of V-6 have been fenced. The future development footprint of DMMA V-22A has been cleared and grubbed. The presence of a bald eagle's nest on DMMA V-21 has precluded any development of that site beyond the security fence.

Commissioner Sansom noted that staff should be monitoring the eagle's nest to document activity or in-activity at DMMA V-21.

Mr. Crosley stated that in the fall of 2012, the USACE's hopper dredge "Currituck" conducted operations in the IWW in the vicinity of Ponce Inlet for a period of approximately four (4) days in between assignments on the U.S. east coast. Approximately 3,000 cubic yards of material was dredged for the temporary relief of shoaling in this vicinity. A full-scale dredging event was initiated in late summer of 2013 and completed in November 2013. The U.S. Army Corps of Engineers (USACE) is initiating Plans & Specifications to dredge this area again in 2017.

Mr. Crosley stated that the Volusia County Waterways Economic Study Update was completed in 2011 and it found that there were approximately 284 waterway-related businesses in the county employing 1,466 people, with salaries of approximately \$53.4 million and an economic output of \$235.4 million. This economic impact generated \$11.2 million in tax revenue. Property values were determined to be increased from \$339 to \$429 million by the presence of the IWW channel. The study reports that these values would decrease by approximately 20% overall if dredging of the waterways ceased.

Mr. Crosley stated that since 1986, the District has provided \$13.2 million in Waterways Assistance Program funding to 117 projects in the county having a total constructed value of approximately \$50.7 million.

Mr. Crosley stated that the District has partnered with Volusia County for the past several years to provide funding assistance for the removal of trash and debris from Volusia County's waterways. The District provides up to \$10,000.00 per year for this program.

ITEM 9. Comments from the U.S. Army Corps of Engineers.

This Item has been deleted from the agenda.

ITEM 10. Presentation – Professional Tallahassee Legislative Services.

Mr. Crosley stated that the District's Tallahassee legislative coordinator, Mr. Jon Moyle, with the Moyle Law Firm, P.A is here today to provide an update on the past year's activities. Mr. Moyle will also discuss insight for successful strategies for the forthcoming State Legislative session in fiscal year (FY) 2017. He recommends a 2-year agreement with a clause for a mutual 2-year extension of a continuing services contract.

Mr. Jon Moyle, President of Moyle Law Firm, stated that the Florida Legislature is getting ready for the regular session that starts March 7, 2017. Committee meetings are taking place and the Senate met this week. There are 20 new members and 16 of the new Senators previously served in the Florida House. The number of the respective political parties in the House and Senate did not change materially. The Florida House of Representatives has 79 Republican members and 41 Democratic members, with the Democrats gaining three seats following the November election. The Florida Senate has 25 Republican members and 15 Democratic members, with the Democrats gaining one seat following the November election. The Democrats in the House now have more than one-third of the House's membership, meaning that certain procedural motions could potentially be forestalled, if block voting takes place.

Mr. Moyle stated that two of the issues that will gain attention this Legislative Session include the Florida Supreme Court ruling regarding a Worker's Compensation issue that has caught the attention of the business community. Water was an issue during the last session and will continue as an issue during this session.

Mr. Moyle stated that the Legislative Organizational Session elected Senator Joe Negron, R-Palm City, as Senate President. Senator Negron is interested in the Indian River Lagoon and higher education. The House elected Representative Richard Corcoran, R-Lutz, as House Speaker. Numerous committee assignments have been made. Legislative committee meetings are beginning now and will be held regularly beginning in January and February.

Mr. Moyle stated that the Revenue Conference met earlier this week and Budget Year 2017-2018 estimates were reviewed and adjusted by the state's economists. There is approximately \$1.1 billion in new dollars that will not go far for new projects.

Mr. Moyle stated that Representative Corcoran, the new House Speaker, has implemented a lot of new rules changing the way business and appropriations will be done in the House. Members must file bills and be on record for projects. Lobbyists will be required to identify the issues for which they are lobbying. Members may no longer use private airplane travel. Any entity that has tax dollars associated with it, such as a city, county, or special taxing district will be required to file that public record. The Senate does not have to go along with these rules.

Mr. Moyle stated that the Constitutional Revision Commission will be meeting around the state and putting revision proposals together for the 2018 election cycle.

Mr. Moyle stated that The Florida Department of Environmental Protection (FDEP) pollution notification rule is being challenged as exceeding FDEP's authority. The judge will hear the argument on December 20, 2016.

Commissioner Isiminger referred to page 2 of the contract and noted that "event" should read "advance".

Commissioner Isiminger made a motion to approve a 2-year contract with Jon Moyle for Tallahassee representation with a possible 2-year extension by mutual consent. The motion was seconded by Commissioner Williams. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 11. Presentation and Discussion on the Navigation District Commercial-Industrial Waterway Access Inventory Report.

Mr. Crosley introduced Ms. Beth Lempke, with Planning Solutions Inc., who is here today to provide a draft report on commercial-industrial waterway access opportunities within the District's 12 member counties.

Ms. Lemke stated that the purpose of the commercial-industrial waterway access inventory study was necessary because most waterfront access is privately owned and subject to conversion to non-water-dependent uses. Local government provides significant funding for recreation waterway access projects, but little money is provided for commercial and industrial access. This report will highlight locations where commercial or marine contractor access is needed for staging areas and other industrial uses.

Ms. Lemke stated that existing facilities such as boat ramps, bridges, FIND sites, vacant government and industrial properties were identified for potential commercial and industrial access and use.

Mr. Lemke stated that parameters included compatible surrounding land use including: waterway site access, water depth, location near an inlet, landside site access, 2-lane road access directly to site, and direct Highway US 1 access. The size of the site was reviewed for: storage of materials, parking for employees, maneuvering of heavy vehicles, and site size – 5 acres or larger. Areas of interest included 192 bridges and 285 boat ramps, including boat docks and port facilities within the District's 12 counties. Parcels adjacent

to these facilities were also identified. She has had discussions with the City of New Smyrna Beach and the city is interested in keeping a portion of the Swoop Site Boat Ramp for industrial use.

Ms. Lemke stated that from between 1970-2010, the State of Florida had the largest coastal population growth in the County, an increase by 15 million people. By 2013, Florida led the county in new powerboats and increased vessel registrations. The demand for commercial-industrial waterway access has increased and is based on a relative correlation to vessel registrations, which are another indicator of growth in the boating industry.

Ms. Lemke stated that she has been in contact with the Florida Department of Transportation (FDOT) to discuss the SR 528 Bridge as a potential shared-use site. The site has a deep-water area alongside the bridge for barges.

Ms. Lemke stated that Florida's newest coastal residents are wealthier and can afford and desire waterfront land. Vacant land owners cannot afford coastal property taxes and are selling waterfront land for residential use. This is the time to rethink waterway and waterfront access. Mixed, shared, and multi-function use of waterfront land should be considered.

Ms. Lemke stated that maritime management plans should be completed by local government. FIND should consider adding a deed-restriction to grant applications requiring that the project provides public access for a specified amount of time.

Ms. Lemke stated that local government and state agencies should be encouraged to adopt a working waterfront with a commercial water access policy, such as requiring public access as part of waterway development plans.

Mr. Brad Griese presented a draft review of the report. Commissioner Sansom asked about the water-depth information. Ms. Lemke stated that channel water-depth is available, but shoreline water-depth was not as readily available. If FIND has a source for that information, it can be added to the report.

Secretary Donaldson noted that bathymetry depth data is sketchy closer to shore, there is more information on channel water depth. He stated that even NOAA shore depth data is not accurate and sometimes old. Information may be obtained from local county or city data and then researched further. Once there is full data and an identified site, FIND should develop a partnership with FDOT.

Commissioner Isiminger stated that this report is a planning document to identify potential contractor sites by location, land and adjacent use. He stated that the report is very thorough and he likes the way Commissioner comments were included in the report. A separate report would identify the greatest need, which is access for marine contractors to staging areas for dredging work. He stated that he does not feel that access is related to vessel registration.

Commissioner Sansom suggested adding bathymetric information to the report.

Commissioner Sansom stated that there is an existing Memorandum of Understanding (MOU) between the FDOT and FDEP relative to the use of bridge causeways for recreation.

Commissioner Blow noted that the District's FY 2016-2017 Waterway Assistance Program (WAP) application cycle is about to begin. He suggested adding a local government question that requires a listing of all owned or controlled waterfront sites that allow commercial marine contractors access for personnel use, staging, loading and

unloading in your city/county. A point value should be added to this question. He noted that the grant writer may not know the answer to the question and would have to contact the Building and Zoning Department, who may have to discuss it with another department. This gets local government interested and thinking about water-access contractor staging areas.

Vice-Chair Netts stated that the question on the District WAP application may also revive the thought that Maritime Master plans are important and need to be developed.

Commissioner Chappell asked that contractor staging water-access information, by county, should be provided to each Commissioner to use during discussion with local government to inform them that this is what FIND is considering when reviewing grant applications.

Vice-Chair Netts stated that the FIND Commissioner could also go before their County Commission and discuss where their county ranks with these types of facilities compared to other Florida counties.

Commissioner Sansom stated that FIND should provide this presentation to FDOT Secretary Boxhold so that he can see the problem and perhaps partner with FIND to network and help provide this benefit to Florida's marine contractors.

Mr. Crosley stated that this was a small contract and Ms. Lemke provided more information than the District contracted for. She did an excellent job and this is a great starting point of an ongoing process. One thing that could be done from this report is to prioritize the top 20 sites and add additional information on those sites. He would suggest working with Planning Solutions to take this to the next level.

Commissioner Donaldson stated those are great suggestions. He would like to see additional information put together to be used to educate the District counties and communities and explore examples needed to get a project going.

ITEM 12. Scope of Services and Fee Proposal for Geotechnical Exploration and Engineering for Dredged Material Management Area M-8, St. Lucie County, Florida.

Mr. Crosley stated that Taylor Engineering has completed a Request for Qualification (RFQ) to select a geotechnical consultant for work at Dredged Material Management Area (DMMA) M-8. This site is currently undergoing design and permitting in preparation for construction in the subsequent year. This work is required to evaluate the potential influence, if any, of the construction and use of DMMA M-8.

Mr. Crosley stated that Ellis & Associates (EA) have provided a scope and fee quote to conduct geotechnical evaluations of DMMA M-8. The firm has successfully completed projects for the District in the past, and staff has determined the scope and fee to be reasonable and accurate.

Commissioner Sansom made a motion to approve the proposal and fee quote from Ellis & Associates, Inc. in the amount of \$94,400.00 for geotechnical evaluation of DMMA M-8, St. Lucie County, FL. The motion was seconded by Secretary Donaldson. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 13. Taylor Engineering Hourly Rate Adjustment.

Dr. Taylor stated that for 2017 he is proposing an average 2.6% increase for all staff and a 3.9% adjustment for technical and professional staff.

Dr. Taylor stated that the industry is changing and the large firms are purchasing the smaller firms. The middle ground that evens out the profession is being lost and he finds this disturbing. He does not want to be purchased, he founded Taylor Engineering because he wanted a firm that he could be proud of and that would endure. If a large firm cannot buy a small firm, they then start to steal employees.

Dr. Taylor stated that this request is in line with industry standards and that he feels the proposed increase is reasonable given that the average proposed direct rates are lower than the average of both the Florida Department of Transportation (FDOT) and Zweig-White 2016 Salary Survey of Northeast and South Atlantic Engineering Firms. Both sources base their information on 2015 and 2016 salaries and this direct rate increase is for 2017. He stated that he respectfully asks that the Board consider this request.

Commissioner Isiminger stated that this request and proposal is fair, competitive and reasonable.

Commissioner McCabe agreed that the request is reasonable. She questioned the GIS Senior rate increase. Dr. Taylor stated that GIS staff are becoming Senior Specialists and entry level GIS service is not available. The current GIS contract with FIND is with Senior GIS service.

Commissioner Chappell asked about the multiplier. Dr. Taylor stated that it is 169 with a 12% profit. Commissioner Chappell stated that he has been going through the same process and Dr. Taylor's rates are more than fair.

Commissioner Chappell made a motion to approve the rate adjustment requested by Taylor Engineering for 2017. The motion was seconded by Commissioner Blow. Vice-

Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

Mr. Crosley stated that Taylor Engineering has been doing a great job for FIND and their work is one of the reasons the District's projects move along seamlessly.

ITEM 14. Delegation of Authority - Executive Director.

Mr. Crosley stated that each year the Board usually reviews the Executive Director's Executive Authority for accuracy and updates, as necessary. No significant changes have occurred to this authority since December 13, 2014, when the Board elected to increase the Executive Director's spending authority for administrative purposes from \$3,000.00 to \$5,000.00. Any changes to this authorization would need to be adopted by Resolution.

Commissioner Chappell asked how the Spending Authority amounts for administrative services of \$5,000.00 and land acquisition and management and dredging-related services in the amount of \$10,000.00 are working for him. Mr. Crosley stated that because project costs are increasing, he would appreciate an increase in expenditures for administrative services to \$7,000.00, land acquisition and management and dredging related services in the amount to \$14,000.00. He would also like an increase in dredged material removal from 20,000 cubic yard or less to 50,000 cubic yards or less from a site for public purposes.

Commissioner Chappell made a motion of approval to adopt Resolution 2016-06, revising the District Board's Delegation of Authority to the Executive Director (as indicated). The motion was seconded by Commissioner Sansom. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 15. Finance and Budget Committee Report.

Committee Chair McCabe stated that the District's Finance and Budget Committee met before today's Board meeting and the committee reviewed and recommends approval of the October 2016 financial statements, the delegation of authority and the expenditure and project status report. She asked for questions. There were none.

Treasurer McCabe made a motion to approve the recommendations of the District's Finance and Budget Committee, October 2016 financial statements, the delegation of authority and the expenditure and project status report. The motion was seconded by Commissioner Williams. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 16. Washington D.C. Report.

Mr. Crosley stated that following last month's elections, Republican Leadership announced they would be seeking a continuing resolution (CR) through next year that would effectively lock-in current spending levels after the current CR expired on December 9, 2016. The decision to advance a CR came after discussions between senior House Republicans and the Trump transition team, as the President-elect's team reportedly wanted to give incoming President Trump an opportunity to fully weigh-in on spending decisions. The word is that earmarks may be reinstated this year.

Mr. Crosley stated that the Washington visit is scheduled for March 6 through March 9, 2017.

Commissioner Blow stated that this may be the time to address the seagrass issue and discuss a plan to push it forward. Mr. Crosley stated that he has been talking with the Marine Industries Association (MIA) and has asked them to write a letter concerning the

National Marine Fisheries Service. If there is a chance to make a change, it would probably be early in the new administration. Commissioner Blow stated that President-elect Trump has mentioned the strangling effect of regulations to private business and he noted that those same regulations are strangling local government.

ITEM 17B. Agreement, Scope of Work and Fee Quote for the Economic Update of Palm Beach County, Florida.

Mr. Crosley stated that the Balmoral Group, the District's top-ranked firm for the Economic Analysis Update of the District Waterways, has provided a scope of work and fee quote for Palm Beach County.

Mr. Crosley stated that Attorney Breton has reviewed and approved the agreement and a work order, staff is recommending approval. Provided a satisfactory output results from this work order, staff anticipates receiving subsequent scopes and fee quotes for the remaining District counties. Future work orders may also include multiple counties and will be scheduled for Board approval as received.

Commissioner Isiminger asked if staff feels that the price is reasonable. Mr. Crosley stated that the price is very reasonable.

Commissioner Williams stated that many people feel that the IWW is an industrial canal. He stated that because of the boating community the IWW has become a recreational amenity for the public. He would like the economic report to provide recreational waterway user information.

Commissioner Williams made a motion to approve an agreement with Balmoral Group, LLC, for the Economic Analysis Update of the Districts Waterways, and approval of the initial Work Order in the amount of \$104,828.00 for Palm Beach County, Florida.

The motion was seconded by Secretary Donaldson. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 17C. Bid Approval – Intracoastal Waterway Maintenance Dredging Palm Beach Reach 1 Near the Jupiter Inlet.

Mr. Crosley stated that the Navigation District has an Interlocal Agreement with the Jupiter Inlet District to conduct a cooperative Intracoastal Waterway (IWW) maintenance dredging project near the Jupiter Inlet. The District's share is \$721,106.40 which is 60%, of the low bid with total project costs of \$1,202,844.00. Staff is recommending the Board approve up to \$800,000.00 for this project to account for potential variations in dredging quantities. The District Engineer has reviewed this project and approved the low bidder. This bid is significantly lower than previous District's dredging projects of this area.

Commissioner Sansom made a motion to approve the low bidder and up to \$800,000.00 to complete the District's portion of the joint FIND-JID maintenance dredging project near Jupiter Inlet, Palm Beach County, Florida. The motion was seconded by Commissioner Blow. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 17D. St. Lucie County Letter.

Mr. Crosley stated that the District advertised and received one (1) bid for the St. Lucie Reach I Maintenance Dredging project. The bid was for almost three (3) times the engineer's cost estimate. The high bid was mostly likely because the project required several miles of pipeline with three (3) boosters. He stated that FIND is going to redesign the project from hydraulic to mechanical dredging, placing the material on a barge and pumping it onto DMMA SL-2.

Mr. Crosley stated that when St. Lucie County heard that FIND was starting over, they sent a letter to partner with FIND on the project. St. Lucie County is interested in beach compatible sand for their beaches. FIND will be exploring opportunities to place sand on the beach. Staff expects the project re-design and new project scope to be completed soon.

Mr. Crosley stated the he has contacted Mr. Richard Bouchard, with St. Lucie County, to discuss this project. The county has indicated that they will pay for part of the additional project cost related to beach renourishment.

Mr. Crosley stated that he has discussed the project changes with Ms. Trulock of the USACE and he noted that there are some hurdles regarding material beach placement that will need to be worked out.

Commissioner Donaldson stated that St. Lucie County did not receive FEMA funding to help with shoreline damages from Hurricane Matthew. Due to the critical state of the beach erosion, it is important to the county to make a concerted effort to complete this project by May 30th which is a project permit requirement associated with sea turtle nesting. Fortunately, during spring 2014 a similar project was successfully completed through a joint effort of the U.S. Army Corps of Engineers (USACE) and St. Lucie County, Erosion District. The USACE placed and graded approximately 164,100 cubic yards of beach quality material dredged from the inlet channel and turning basin onto Ft. Pierce Beach. St. Lucie County is asking to be co-permitees on this project and they are also asking for financial help from the District. This joint effort could lower the District's project cost from the previous project bid.

Commissioner Donaldson made a motion to approve up to \$50,000.00 for a St. Lucie Reach I dredging and Beach Renourishment project Scope of Work from Taylor Engineering, Inc. The motion was seconded by Commissioner Blow. The motion was seconded by Commissioner Blow. Vice-Chair Netts asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

ITEM 17. Additional Staff Comments and Additional Agenda Items.

Vice-Chair Netts asked if there were any additional staff comments or agenda items.

Mr. Crosley stated that the DMMA DU-2 Weir Replacement project bids were not successful and the District is re-bidding that project.

Mr. Crosley stated that MSA 726 landscape project is almost complete.

Mr. Crosley stated that the Broward Dredging of the deepest part of the channel is complete, but there are still some utility issues delaying dredging of a small section of dredging. The City water utility lines have been relocated, but FIND is waiting on FPL and ATT to relocate their utility lines. The dredged material is being removed from the DMMA site.

Ms. Zimmerman stated that the Okeechobee Waterway trip has been re-scheduled for February 1 through February 3, 2017. Day 1 travels from Stuart to Fort Myers. She stated that she will e-mail Commissioners with an update on Monday, December 19th.

Ms. Zimmerman stated that she e-mailed Commissioners about Paul Dritenbas's retirement and 65th Birthday party.

Ms. Zimmerman stated that the Florida Fish and Wildlife Conservation Commission (FWC) did not receive many requests for their Derelict Vessel Funding grant

program. The FWC has \$400,000.00 in funding that will be used for a second round of Derelict Vessel Funding grant applications. The application deadline is January 11, 2017.

ITEM 18. Additional Commissioners Comments.

Vice-Chair Netts asked if there were any additional Commissioner comments.

Commissioner Sansom noted that last evening's Community Outreach Event was well-attended and very nice. He wishes everyone a happy and safe holiday.

Commissioner Chappell stated that due to the District's deepening project, the Fort Lauderdale Boat Show attracted several 300-foot-long vessels and generated \$850 million in revenue. This year's boat show was the largest and generated more revenue than any previous boat shows.

Commissioner Chappell stated that the Marine Industries Association of South Florida (MIASF) Executive Director Phil Purcell will be retiring in 2018.

Commissioner O'Steen stated that he attended the Jacksonville Waterway Commission meeting and had a great conversation with Mr. John Nooney.

Commissioner Blow stated that the January 2017 Board meeting will be held in St. Johns County.

Treasurer McCabe stated that about two weeks ago, the Daytona Beach News Journal did a story about V-7, Bird Island and the CWA designation. The story was not accurate. She stated one entire paragraph had to do with FIND's involvement with the Audubon Society and the FWC. It also indicated that the FIND Volusia County Commissioner, appointed by the Governor, had failed to respond to a request from Clay Henderson and David Hartgrove. She stated that she responded to Mr. Henderson and Mr. Hartgrove's emails in approximately 10 minutes. She stated that she contacted the Daytona

Beach News Journal and told them that the story was wrong and asked that they correct it. The Daytona Beach News Journal corrected part of the story. The reporter stated that Commissioner McCabe failed to respond or return numerous calls to her. She e-mailed Ms. Pulver, the reporter and requested that she correct that statement because she did call her back, left a message and waited for a call-back from the reporter. Commissioner McCabe took a screen shot of the telephone number from her caller ID, showing the number, time and length of the return telephone call and the message and Ms. Pulver still would not retract the statement. Several days later another reporter called for a story and she asked that the original story be corrected and she told her about the telephone message and the reporter stated that the Daytona Beach News Journal has an antiquated telephone system that routinely drops telephone messages and calls.

Commissioner Blow stated that if Mr. Henderson really wants to work with FIND, he will write a letter of support to the Daytona Beach New Journal Editor explaining that he has had excellent cooperation regarding this subject from FIND.

Vice-Chair Netts asked if staff has a start-time for the Matanzas dredging project. Mr. Crosley stated that the City of St. Augustine and the USACE has delayed the project until February or March 2017.

ITEM 19. Adjournment.

Vice-Chair Netts stated that hearing no further business the meeting was adjourned at 11:29 a.m.



ST. JOHNS COUNTY PROJECT STATUS UPDATE

JANUARY 2017

Dredged Material Management Plan

Phase I of the Dredged Material Management Plan (DMMP) for the Intracoastal Waterway in St. Johns County was completed in 1989. Phase II of the DMMP was completed in 1992 and all major land acquisition was completed in 1995. *(Please see the attached maps).*

The 50-year dredging projection for this area is approximately 4.3 million cu/yds, and the storage projection is 9.3 million cu/yds. Note that maintenance dredging in Dredging Reach V in the vicinity of the Matanzas Inlet is 67% of the county's projected dredging volume. With a frequency of about every 2.7 years, this reach has the highest frequency shoaling reach of the District's waterway. Reach V is scheduled to be dredged in 2017. Reach I and II in the Palm Valley area constitute approximately 25% of the dredging volume, while Reaches III and IV have never been dredged and are naturally deep areas of the waterway with minimal shoaling.

Dredged Material Management Area Development:

To date, two of the four upland Dredged Material Management Areas in the county have been fully constructed (DMMA SJ-14 & SJ-1). The other two, DMMA SJ-20A and DMMA SJ-29, have had Phase I development (cleared & fenced) completed. Phase II development (plans, specifications) were initiated on DMMA SJ-20A, however salinity concerns and low dredging volumes have predicated a revised strategy for this site. Initial inquiries leading to the potential relocation of this site were unsuccessful. The site will remain in inventory for dry material handling, storage and staging. There is one frequently utilized beach disposal area, SJ-MB that is located south of Matanzas Inlet.

Material was removed by St. Johns County from DMMA SJ-1 in 2011 to repair the sand dunes at Summer Haven Beach. At that time, the District removed material that had been wind-swept out of the site by Tropical Storm Fay. This work was coordinated with the county's contractor and 80% of the District's cost was paid by FEMA. The county has recently removed additional material in from the site in 2014 and 2015 and has expressed an interest in continuing access to this material.

Waterway Dredging

In 2011, approximately 180,000 cu/yds of material was maintenance dredged from Dredging Reach V near Matanzas Inlet, with placement on the southern portion of Summerhaven Beach. Plans & specifications for the next maintenance dredging of this reach were initiated in 2016, with construction expected in 2017. Dredging Reach III in the vicinity of St. Augustine Inlet was also dredged in 2011, with the material being placed on the beach at Anastasia State Park. This area will again be dredged in 2017. Efforts are underway to modify the existing approved placement area (south of the inlet) to place material on the severely eroded beaches north of the inlet in Vilano Beach.

The dredging of the northern portion of Reach I, Palm Valley, was completed in early 2010, with 232,000 cu/yds of material being placed in DMMA DU-9. This project completed the maintenance of 15 miles of channel in the Palm Valley Cut.



ST. JOHNS COUNTY PROJECT STATUS UPDATE

JANUARY 2017

Waterways Economic Study

The St. Johns County Waterways Economic Study was completed in 2005 and identified 155 waterway-related businesses in the county employing 2,157 people, with salaries of \$73 million and a direct economic output of \$139 million, and a total economic impact of \$213 million. Property values were determined to be increased by \$488 to \$726 million by the presence of the ICW channel. The study also determined that over 50% of this economic impact would be lost if dredging of the waterways ceased. *(Please see attached map for waterway related business locations).*

Waterways Assistance Program

Since 1986, the District has provided over \$6.5 million in Waterways Assistance Program funding to 67 projects in the county having a total constructed value of \$19.7 million. The county, the City of St. Augustine and the St. Augustine Port, Waterway and Beach District have all participated in the program. *(Please see attached location map and listing).*

Some funded projects of note include: the St. Augustine Municipal Marina; the St. Augustine Lighthouse; public boat ramps at Riverdale, Frank Butler, Shore Drive and Vilano Beach; Summer Haven River Restoration and public channel dredging in Salt Run, Frank Butler and St. Augustine South boat ramps.

Cooperative Assistance Program

The District's Cooperative Assistance Program has provided funding assistance for the following projects with elements in St. Johns County: the Guana Tolomato Matanzas National Estuarine Research Reserve Environmental Education Center; Florida Clean Marina Program; Florida Clean Vessel Act Program; Anastasia State Park Environmental Education Signage; Florida Marine Patrol Officer Funding; and the St. Johns River Boating Safety Search and Rescue Program. The District's funding assistance for the St. Johns County portion of these projects was approximately \$790,000.00.

Interlocal Agreement Program

The District's Interlocal Agreement Program has provided funding assistance for the following projects with elements in St. Johns County: the Florida Clean Marina Program and the Florida Clean Vessel Act Program. The District's funding assistance for the St. Johns County portion of these projects was approximately \$25,000.00.

Waterway Clean Up Program

For several years, the District partnered with St. Johns County Solid Waste Department on waterway clean-ups. In 2012, the Lighthouse Archaeological Maritime Program (LAMP), Inc., a group associated with the St. Augustine Lighthouse & Museum, participated in this program. FIND is currently not participating in an active cleanup within St. Johns County.



ST. JOHNS COUNTY PROJECT STATUS UPDATE

JANUARY 2017

Small-Scale Derelict Vessel Removal Program

Two derelict vessels have been removed in St. Johns County through this program.

Small-Scale Spoil Island Enhancement and Restoration Program

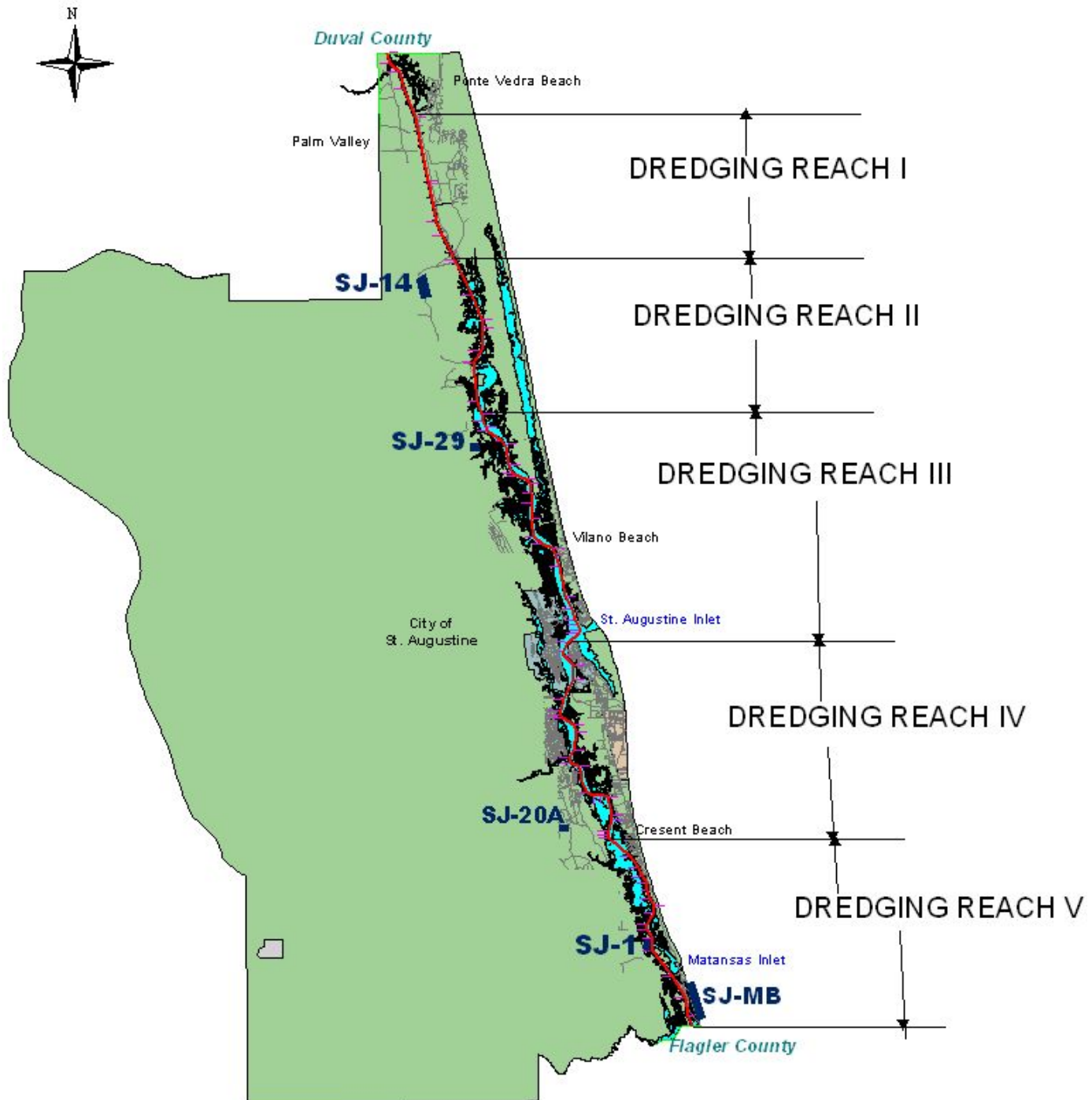
To date, no spoil island projects have been funded in St. Johns County.

Public Information Program

The District currently prints and distributes brochures with information pertaining to St. Johns County Waterways. Additional waterway information and useful links are available on the District's website at <http://www.aicw.org/>.

INTRACOASTAL WATERWAY DREDGING REACHES AND DREDGED MATERIAL MANAGEMENT AREAS IN ST. JOHNS COUNTY

47








-  FIND Easement
-  FIND Owned
-  ICW Right-of-Way
-  Channel

Dredged Material Management Area
SJ-14

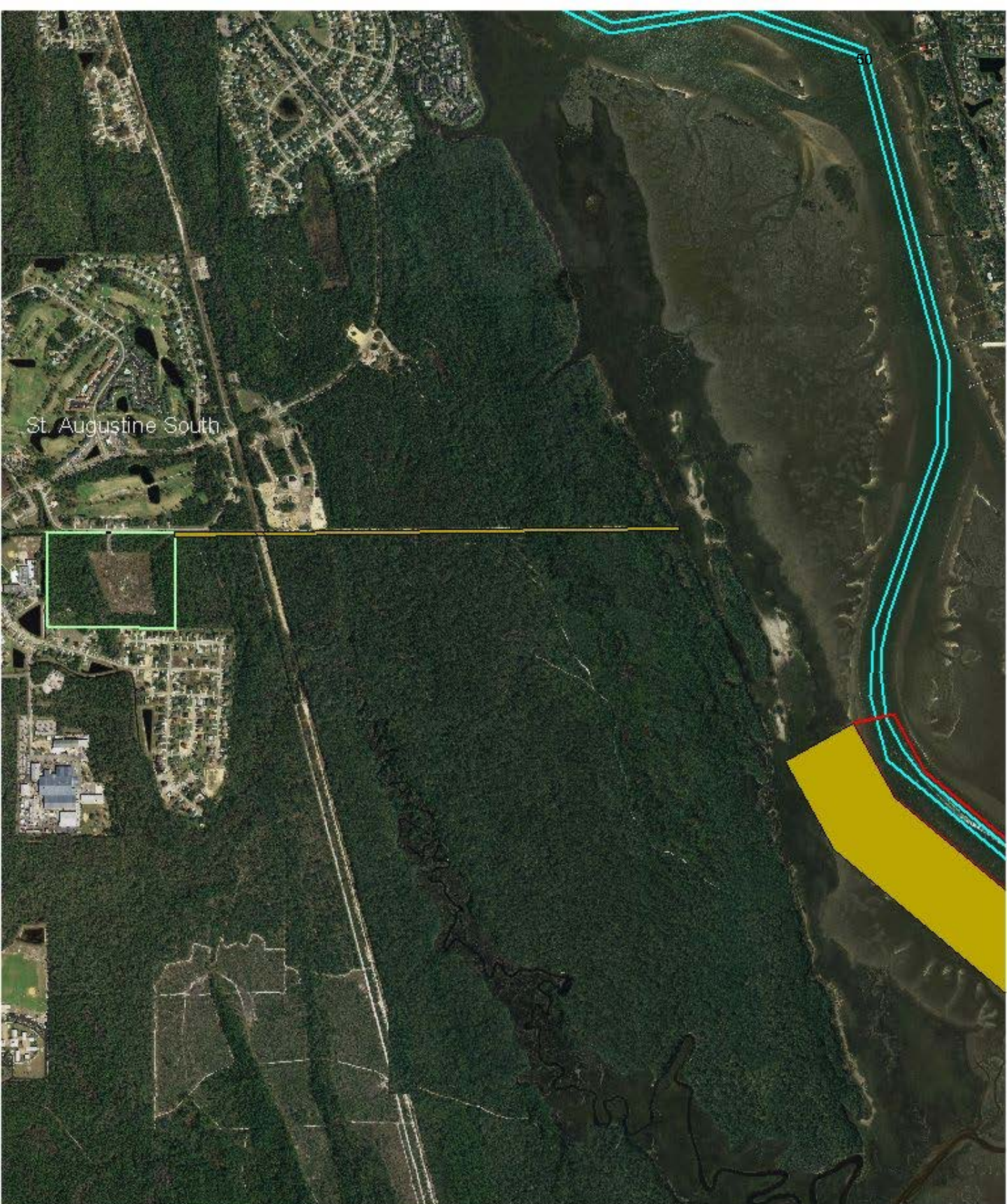


Palencia

-  FIND Easement
-  FIND Owned
-  ICW Right-of-Way
-  Channel

Dredged Material Management Area
SJ-29







-  FIND Easement
-  FIND Owned
-  ICW Right-of-Way
-  Channel

Dredged Material Management Area
SJ-20A



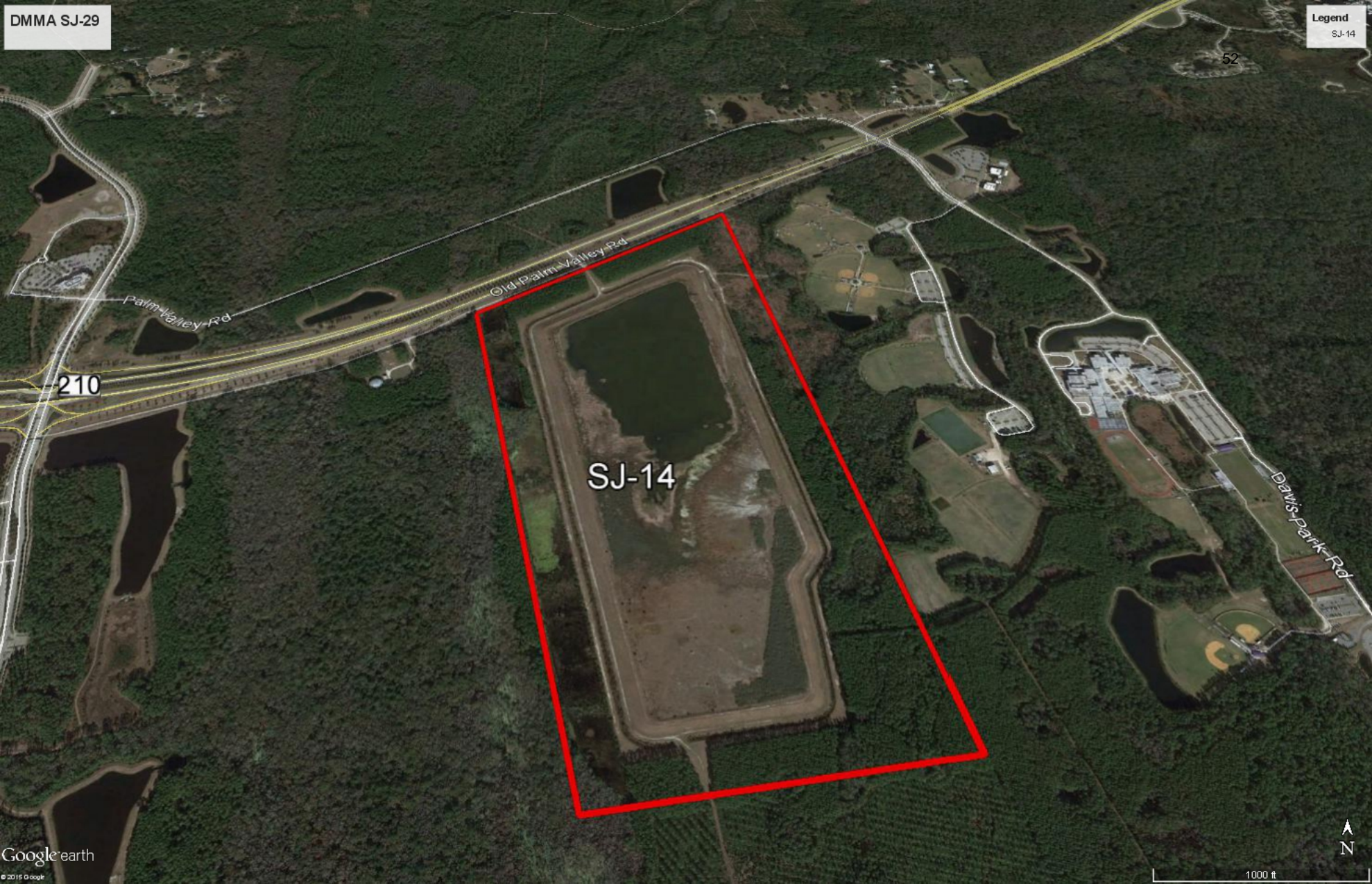


51

-  FIND Easement
-  ICW Right-of-Way Channel

Dredged Material Management Area SJ-1

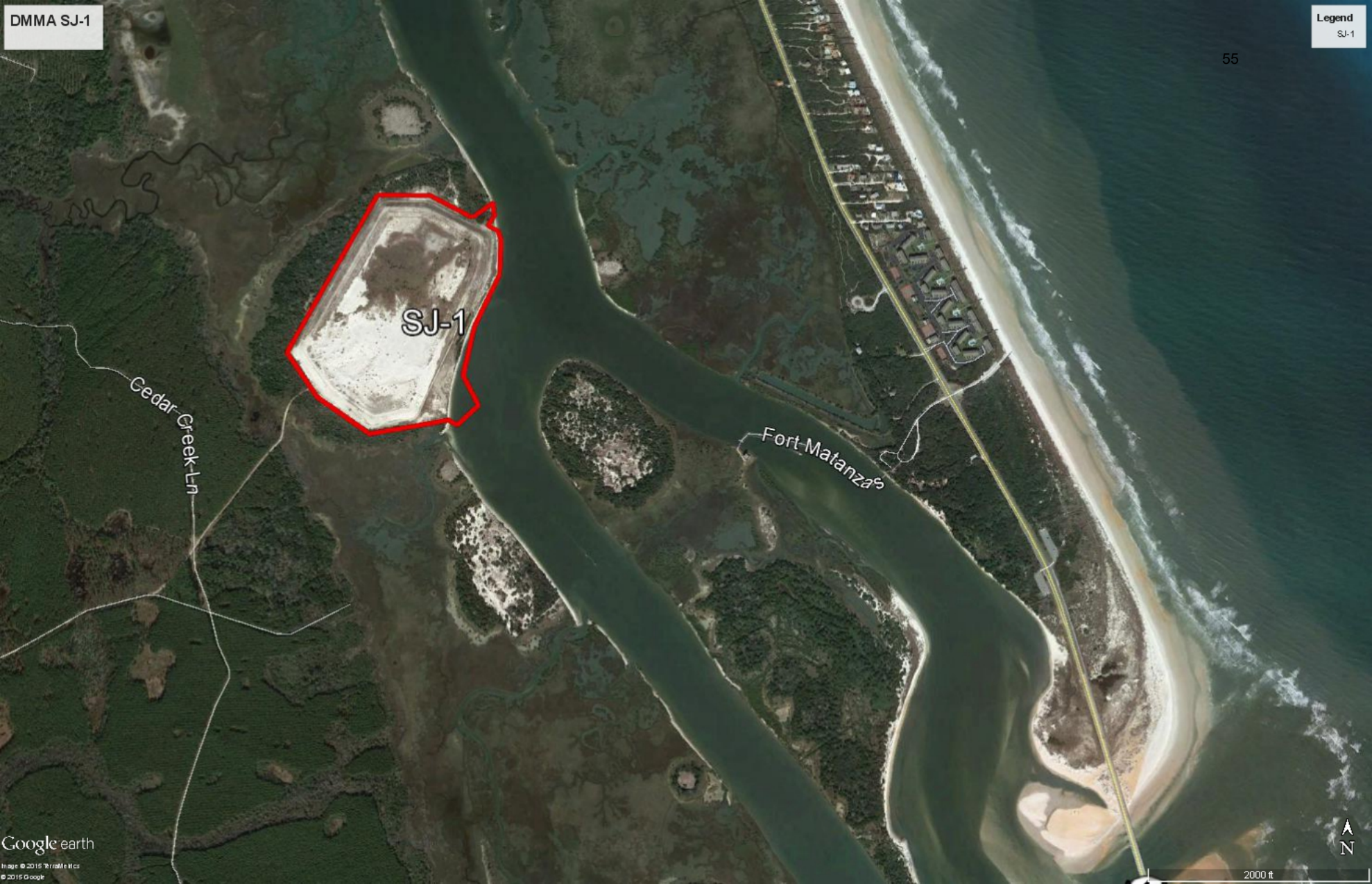








SJ-20A



Legend

- DMMA SJ-MB
- Feature 1
- Matanzas Inlet



ECONOMIC BENEFITS OF THE DISTRICT'S WATERWAYS

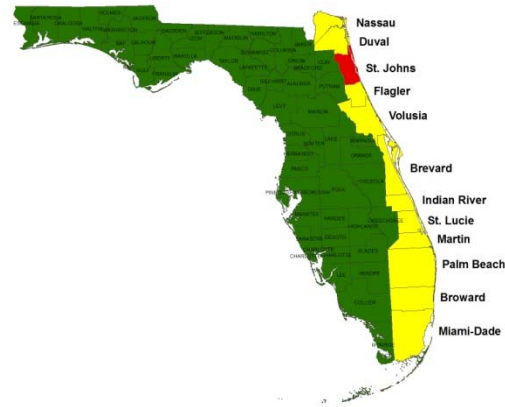


Purpose

To update economic benefits in St. Johns County of marine-related activities on the District Waterways, as previously estimated in *An Economic Analysis of the District's Waterways in St. Johns County*, September 2005, and to provide the general public and Federal, State, and local officials with a clear understanding of the importance of maintaining the waterways.

Scenarios Evaluated

1. Current Existing Conditions
2. Cessation of Waterways Maintenance
3. Increase in Waterways Maintenance



ECONOMIC IMPACTS

Current Existing Impacts

- \$180.9 million in business volume
- \$41.3 million in personal income
- 1,090 jobs
- \$7.7 million in tax revenue

Impacts of Cessation of Waterways Maintenance

- Decrease of \$124.9 million in business volume
- Decrease of \$27.6 million in personal income
- Decrease of 726 jobs
- Decrease of \$4.6 million in tax revenue

Impacts of an Increase in Waterways Maintenance

- Increase of \$15.8 million in business volume
- Increase of \$4.4 million in personal income
- Increase of 123 jobs
- Increase of \$0.8 million in tax revenue

Due to anomalies in Florida Department of Revenue reported gross sales data, the impact of the 2007-2009 U.S. Economic Recession on the St. Johns County economy could not be estimated.

Economic Benefits as of April 2011

ST. JOHNS COUNTY



ECONOMIC BENEFITS OF THE DISTRICT'S WATERWAYS

58

ST. JOHNS COUNTY

The Intracoastal Waterway

The Atlantic Intracoastal Waterway (AICW) is a 1,391-mile channel between Trenton, New Jersey, and Miami, Florida. The Waterway along Florida's eastern seaboard is 406 miles long and follows coastal rivers and lagoons past numerous tourism-oriented communities. The channel is authorized to a depth of 12 feet from Nassau County to Fort Pierce, and a 10 foot depth south through Miami-Dade County. Boating activities on the waterways contribute to the existence of numerous marine-related businesses such as marinas and boatyards and have stimulated development of residential properties on the Waterways.

The Navigation District

The Florida Inland Navigation District, created in 1927, is the local sponsor for the AICW in Florida. In cooperation with the Jacksonville District of the U.S. Army Corps of Engineers, the Navigation District is responsible for maintenance of the AICW in Florida. To maintain navigation, the waterways need to be periodically dredged due to shoaling from currents, upland soil erosion, and the movement of offshore sands through the ocean inlets. Maintenance dredging is projected to cost approximately \$12 to \$16 million annually during the next 50 years, of which 50 percent of the costs are expected to be borne by property owners within the Navigation District's jurisdiction.

The Navigation District also partners with other governments to provide waterway access and improvement facilities for our mutual constituents. These projects include public boat ramps, marinas, side channels, parks, fishing piers, boardwalks, navigation aids, derelict vessel removal, shoreline stabilization, and waterway cleanups.

Source of Data Used in This Analysis

The economic benefits of the Waterways were estimated in September 2005 in *An Economic Analysis of the District's Waterways in St. Johns County*.

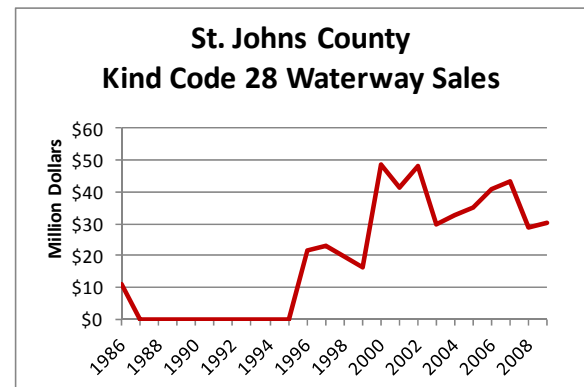
Updating of Previously Estimated Benefits

The benefits presented in this analysis were estimated by updating the direct marine-business

impacts in the original analysis to current values using the change in gross sales reported by boat dealers to the Florida Department of Revenue (FDOR). The updated direct impacts were used in conjunction with an IMPLAN input/output model to estimate total economic benefits.

Estimating the Impact of the Recession

The methodology for estimating the impact of the recession was based on the trend in gross sales of boat dealers established over the 20-year period prior to the onset of the recession. This trend was used to estimate the theoretical gross sales if sales had continued to increase at the rates previously experienced. However, anomalies in the FDOR reported gross sales data for St. Johns County prevented the development of an estimate of the recession. As illustrate in the graph below, FDOR reported gross sales data for boat dealers were not available for 1987-1995 and the reported sales for 1996-2009 fluctuated widely between \$16.3 million to \$48.5 million. As a result, the impact of the recession on the St. Johns County economy could not be estimated.



Annual Boater Spending on Gas, Food, and Drinks at Non-Marine-Related Establishments

- Current existing conditions: \$11.8 million
- Cessation of maintenance: \$9.7 million
- Increased maintenance: \$11.8 million

Vessel Draft Restrictions Assumed for Each Scenario

- Current existing conditions: 6.5 feet MLW
- Cessation of maintenance: 3 feet MLW
- Increased maintenance: 12 feet MLW

Legend



Location Map

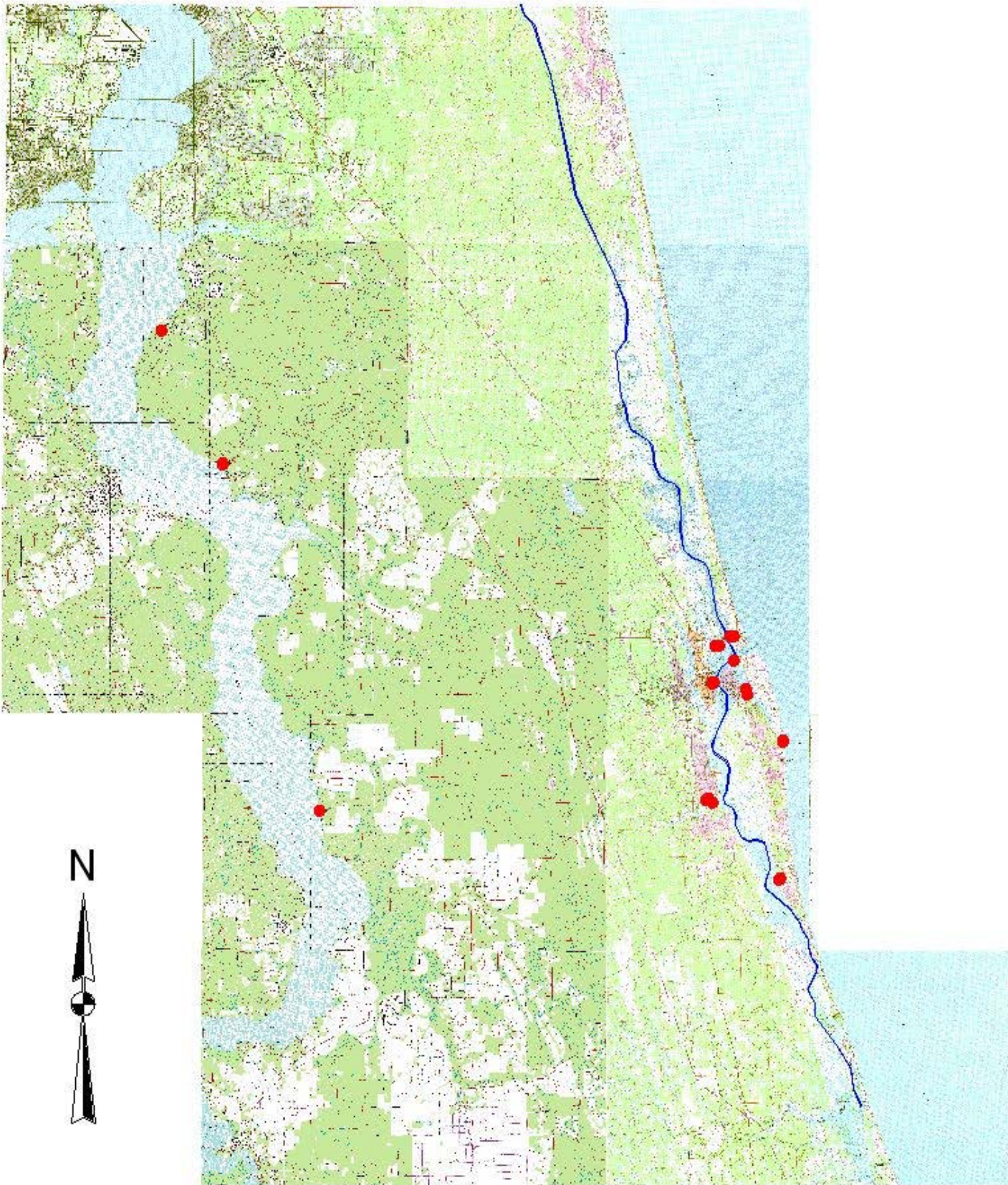
Waterway Related Businesses in St. Johns County

WATERWAYS ASSISTANCE PROGRAM PROJECTS
ST. JOHNS COUNTY
1986-2016

Project Name	Project Number	Project Sponsor	Grant Amount	Total Cost
I.C.W. Nature Greenway/ Boardwalk Replacement	SJ-01-17	St. Johns County	\$57,105	\$207,837
Vilano I.C.W. Fishing Pier Improvements	SJ-01-18	St. Johns County	\$107,900	\$225,809
Riverdale Boat Ramp Improvements	SJ-02-20	St. Johns County	\$175,000	\$350,000
Rattlesnake Island - Phase I (Expired)	SJ-03-22	St. Johns County	\$50,000	\$100,000
St. Johns River Park - Phase I	SJ-03-23	St. Johns County	\$32,500	\$65,000
Vaill Point Park - Phase I	SJ-03-24	St. Johns County	\$30,000	\$60,000
Moultrie Creek Bluff Stabilization & Beach Access	SJ-04-26	St. Johns County	\$100,000	\$600,000
Frank Butler Park West - Phase I	SJ-05-28	St. Johns County	\$35,000	\$70,000
Shore Drive Boat Ramp - Phase I	SJ-05-29	St. Johns County	\$30,000	\$60,000
Alpine Groves Fishing Pier - Phase I	SJ-07-31	St. Johns County	\$25,000	\$50,000
Frank Butler Park West Construction - Phase I I	SJ-07-32	St. Johns County	\$239,750	\$520,500
Shore Drive Boat Ramp Improvements	SJ-07-33	St. Johns County	\$105,000	\$210,000
Alpine Groves Fishing Pier - Phase I I Construction	SJ-08-34	St. Johns County	\$150,000	\$300,000
Fort Mose Boardwalk Canoe/ Kayak Platform - Phase I	SJ-08-35	St. Johns County	\$40,000	\$80,000
Green Road Boat Ramp	SJ-08-36	St. Johns County	\$60,000	\$120,000
Usina Boat Ramp Improvements	SJ-08-37	St. Johns County	\$80,000	\$160,000
Usina Boat Ramp Fishing Pier Replacement	SJ-09-39	St. Johns County	\$80,000	\$160,000
Vilano Beach Fishing Pier Floating Dock - Phase I	SJ-09-40	St. Johns County	\$25,000	\$50,000
Fort Mose Boardwalk & Canoe/ Kayak Platform - Phase I I	SJ-10-43	St. Johns County	\$54,800	\$109,600
River House Fishing Pier	SJ-10-44	St. Johns County	\$75,000	\$150,000
Vilano Beach Fishing Pier Floating Dock Addition-ph I I	SJ-11-47	St. Johns County	\$160,000	\$320,000
Vilano Beach Boat Ramp Dredging	SJ-12-51	St. Johns County	\$40,000	\$80,000
Vilano Beach Fishing Pier Remediation	SJ-14-58	St. Johns County	\$300,000	\$721,954
Old Shands Bridge Redevelopment	SJ-87-1	St. Johns County	\$20,000	\$49,000
Old Shands Bridge Parking Lot	SJ-87-2	St. Johns County	\$23,175	\$46,350
Vilano Boat Basin	SJ-87-3	St. Johns County	\$8,000	\$16,000
Vilano Boat Basin Study	SJ-88-4	St. Johns County	\$11,128	\$38,256
Channel Dredging (Butler Park & St. Augustine South)	SJ-89-5	St. Johns County BCC	\$60,000	\$153,000
Vilano Boat Basin Dredging	SJ-89-6	St. Johns County	\$10,000	\$24,300
Vilano Boat Basin/Ramp Repairs	SJ-92-9	St. Johns County	\$37,500	\$75,000
Butler Park Channel Dredging, Parking & Road Imp.	SJ-97-12	St. Johns County	\$51,753	\$103,505
South Avendia Menendez Seawall - Phase I (Expired)	SJ-SA-02-19	City Of St. Augustine	\$62,500	\$125,000
San Sebastian River Walk - Phase I (Cancelled)	SJ-SA-03-21	City Of St. Augustine	\$12,500	\$25,000
St. Augustine Municipal Marina - Phase I (Expired)	SJ-SA-04-25	City Of St. Augustine	\$12,500	\$25,000
S. Avenida Menendez Seawall - Phase I I (Withdrawn)	SJ-SA-05-27	City Of St. Augustine	\$240,000	\$2,100,000
Lighthouse Park Boat Ramp - Floating Dock Improvements	SJ-SA-07-30	City Of St. Augustine	\$71,550	\$143,100
Initial Dredging Of The Salt Run Channel	SJ-SA-09-38	City Of St. Augustine	\$434,705	\$600,000
Salt Run Navigation Channel Dredging	SJ-SA-10-41	City Of St. Augustine	\$320,059	\$426,745

**WATERWAYS ASSISTANCE PROGRAM PROJECTS
ST. JOHNS COUNTY
1986-2016**

Project Name	Project Number	Project Sponsor	Grant Amount	Total Cost
Barge Terminal Channel Restoration Dredging - Phase I	SJ-SA-10-42	St. Aug/SJC Airport Auth	\$40,000	\$80,000
Dredging Of Municipal Marina Basin	SJ-SA-11-45	City Of St. Augustine	\$200,000	\$400,000
Barge Terminal Navigation Channel Restoration - Ph I I	SJ-SA-11-46	St. Aug/SJC Airport Auth	\$98,430	\$200,000
Dredging Of Salt Run	SJ-SA-12-48	City of St. Augustine	\$210,000	\$280,000
Dredging Of San Sebastian River Channel	SJ-SA-12-49	City of St. Augustine	\$100,000	\$200,000
Dredging of Salt Run Channel Phase 4	SJ-SA-13-52	City of St. Augustine	\$210,000	\$280,000
Dredging of San Sebastian River Channel Ph 4	SJ-SA-13-53	City of St. Augustine	\$130,917	\$261,834
Salt Run Navigation Channel Dredging Ph V	SJ-SA-14-56	City of St. Augustine	\$170,066	\$226,800
Lighthouse Park Boat Ramp Repair	SJ-SA-14-57	City of St. Augustine	\$25,000	\$50,000
Salt Run Channel Dredging Part 6	SJ-SA-15-60	City of St. Augustine	\$150,000	\$200,000
Riberia Pointe Kayak Launch Ph I	SJ-SA-15-61	City of St. Augustine	\$10,000	\$20,000
San Sebastian River Channel Dredging Part 3	SJ-SA-15-62	City of St. Augustine	\$150,000	\$300,000
Municipal Marina Project	SJ-SA-90-7	City of St. Augustine	\$95,000	\$2,514,283
Municipal Marina Project - Phase I I	SJ-SA-91-8	City of St. Augustine	\$110,000	\$2,497,300
Repair Of The St. Augustine Lighthouse	SJ-SA-93-10	City of St. Augustine	\$174,300	\$415,000
Public Event/ Activities Pier	SJ-SA-95-11	City of St. Augustine	\$20,000	\$45,000
St. Augustine Lighthouse Refurbishment & Protection	SJ-SA-99-15	City of St. Augustine	\$47,150	\$94,300
St. Augustine Municipal Marina - Disaster Repairs	SJ-SA-99-16	City of St. Augustine	\$75,000	\$450,000
Barge Terminal Nav. Channel Restoration Dredging - Ph B	SJ-SAP-12-50	St. Aug/SJC Airport Authority	\$91,870	\$183,740
Barge Navigation Channel Maintenance Dredging Ph IV	SJ-SAP-13-54	St. Aug/SJC Airport Authority	\$100,000	\$200,000
Barge Navigation Channel Ramp Repair Ph I (design)	SJ-SAP-13-55	St. Aug/SJC Airport Authority	\$25,000	\$50,000
Barge/Sea Plane Ramp Ph II	SJ-SAP-15-59	St. Aug/SJC Airport Authority	\$185,000	\$370,000
Salt Run Shoal Removal & Beach Nourishment	SJ-SAP-98-13	Aug. Port, Wtwy. & Beach D	\$180,000	\$622,250
Salt Run Shoal Removal & Beach Nourishment	SJ-SAP-99-14	Aug. Port, Wtwy. & Beach D	\$50,000	\$145,200
Frank Butler Park West Boat Ramp Dredging	SJ-16-190	St. Johns County	\$60,000	\$120,000
Summer Haven River Restoration	SJ-SAP-16-191	St. Augustine Port, Waterwa	\$50,000	\$100,000
Shoal Markers for Menendez Mooring Field	SJ-SA-16-192	City of St. Augustine	\$10,000	\$20,000
St. Augustine Seawall Connectivity	SJ-SA-16-193	City of St. Augustine	\$200,000	\$400,000
Salt Run Dredging Part 7	SJ-SA-16-194	City of St. Augustine	\$150,000	\$300,000
		Totals	\$6,545,158	\$19,746,663



LOCATION MAP

Legend



Location Map

Waterway Related Businesses in St. Johns County



**US Army Corps
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Jacksonville District

**IWW STATUS UPDATE
FIND Board of Commissioners Meeting
January 20, 2016**



WORK ACTIVITIES IN FY 17:

1. IWW: St. Augustine and Matanzas (St. Johns County)
2. DMMA O-7 (Martin County)
3. DMMA O-23 (Martin County)
4. IWW: Crossroads (Martin County)
5. IWW: Broward Reach 1 (Broward County)
6. IWW: Bakers-Haulover (Miami Dade County)



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Jacksonville District

IWW STATUS UPDATE FIND Board of Commissioners Meeting January 20, 2016



AIWW = Atlantic Intracoastal Waterway Norfolk to St. Johns

IWW = Intracoastal Waterway Jacksonville to Miami (12' and 10' projects)

DMMA = Dredge Material Management Area

1. WORK ACTIVITY: IWW St. Augustine / Matanzas (St. Johns County)

CONTRACT AMOUNT: TBD

DESCRIPTION OF WORK: Completion of plans and specifications and administration of the contract for O&M dredging in the St. Augustine and Matanzas reaches of the IWW located in St. Johns County.

SCHEDULE:

- | | |
|--|---------------|
| • Obtain Survey | 6 Nov 2015A |
| • Initiate P&S | 16 Nov 2015A |
| • Verify NEPA/FDEP permit | 16 Nov 2015A |
| • Complete Draft P&S including reviews | 16 May 2016A |
| • Advertise Contract | 28 July 2016A |
| • Bid Opening | 30 Aug 2016A |
| • Contract Award | 30 Sept 2016A |
| • Notice to Proceed | 2 Nov 2016A |
| • Commence Work | 16 Feb 2017 |

FIND WORK ORDER: P&S were funded 100% with Federal funding in 2016. A work order was presented to and approved by the FIND Board in April 2016 to fund a portion of the dredging contract. Dredging will be paid for with a combination of FIND Contributed Funds and COE federal funding.

NAME OF CONTRACTOR: Contract was awarded to Weeks Marine on 30 Sept 2015 in the amount of \$8,896,500.

STATUS:

St. Augustine: Contract was advertised on 28 July 2016 and awarded to Weeks Marine on 30 Sept 2016. NTP was issued on 2 November 2016. Based on damages incurred in the Vilano/South Ponte Vedra beach area from Hurricane Matthew, FIND has requested that the Corps investigate the cost of changing our placement area for the St. Augustine reach to the beach north of the Inlet in lieu of placing on the State Park south of the Inlet. Weeks Marine has indicated they would not give a cost estimate without a formal Request for Proposal (RFP). The Corps is working through the procurement process to issue the RFP. The procurement procedures require real estate easements and FDEP permits modification be obtained before issuing an RFP but the respective waivers are currently being pursued. Once the RFP is issued, Weeks Marine indicated they needed ten days to complete a proposal. If FIND agrees to fund the change, the IWW FDEP permit will be modified to add a placement area and the County will finalize required easements. Weeks Marine has confirmed that they will commence construction at the Matanzas Inlet first to allow time for the real estate and FDEP permit modification to complete.

IWW Matanzas: The new breach in the Summerhave area is located approximately 200 yards north of the placement area, and at the exact location where we had envisioned the pipeline to come over to the beach. Taylor Engineering is currently under contract with the County for the Summerhaven River restoration and they have also been contracted to close the breach. The breach should be closed before commencement of dredging in February 2017. St. Johns County has also requested that sand be placed at a higher elevation where Old A1A was washed away. This will require a modification to the contract and a minor modification to the FDEP permit. The Corps is pursuing a waiver to issue the RFP before the FDEP permit modification is complete.



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Jacksonville District

**IWW STATUS UPDATE
FIND Board of Commissioners Meeting
January 20, 2016**



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2. WORK ACTIVITY: DMMA O-7 (Martin County)

CONTRACT AMOUNT: TBD

DESCRIPTION OF WORK: Complete construction for DMMA O-7.

SCHEDULE O-7:

- Contract Award: 22 Nov 2016
- Required Construction Complete 14 July 2018

FIND WORK ORDER: Funding for completion of P&S was funded with 100% Federal funding. A work order for construction funds was presented and approved at the March 2016 FIND Board.

NAME OF CONTRACTOR: Herve Cody

STATUS: The contract for construction of DMMA O-7 was awarded on 22 November 2016 for \$4,357,044 with a required construction completion date of 14 July 2018. Initial submittals, including construction schedule, are under review.



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**IWW STATUS UPDATE
FIND Board of Commissioners Meeting
January 20, 2016**



3. WORK ACTIVITY: DMMA O-23 (Martin County)

CONTRACT AMOUNT: TBD

DESCRIPTION OF WORK: Development of Plans and Specifications for the construction of DMMA O-23 which is located in Martin County, Florida.

SCHEDULE: (Tentative)

- | | |
|---------------------------------|--------------|
| • Initiate P&S | 20 Jan 2017 |
| • Complete NEPA | 30 June 2017 |
| • Complete P&S with all reviews | 25 Aug 2017 |
| • Advertise Contract | 1 Sept 2017 |
| • Receive Bids | 1 Oct 2017 |
| • Contract Award: | 1 Nov 2017 |

FIND WORK ORDER: P&S will be funded 100% with Federal funding. Construction of DMMA O-23 will be with FIND Contributed Funds.

NAME OF CONTRACTOR: TBD

STATUS: P&S will kick off once DMMA O-7 is awarded. O-23 will utilize the same weir system as O-7. There is a federally listed plant, reindeer lichen, which grows in scrub areas which is present on the site. Probably 10-20sf of the species is estimated to be present which will have to be relocated out of the construction area.

Anticipate a work order being presented to the FIND Board in July 2017 for construction funding.



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**IWW STATUS UPDATE
FIND Board of Commissioners Meeting
January 20, 2016**



4. WORK ACTIVITY: IWW Crossroads (Martin County)

CONTRACT AMOUNT: TBD

DESCRIPTION OF WORK: Staff has identified a small problematic shoal within IWW Crossroads and has asked that the Corps investigate the most efficient way to remove it.

FIND WORK ORDER: Depending on the order of magnitude for dredging, a FIND work order may be required. See amount below.

NAME OF CONTRACTOR: TBD

STATUS: There is approximately 10k cubic yards of material in a problematic shoal within the Crossroads reach of the IWW. The plan is to utilize a Corps dredge to remove this small quantity. An EA and FONSI have been completed that evaluated material being dredged from the IWW and placed within the settling basin at St. Lucie Inlet.

FDEP modification received on 12 December 2016.

Project management has coordinated with the Wilmington District to schedule a time for them to proceed with removal of this shoal. Since mobilization is high, it is suggested that a larger quantity be dredged. Initial estimates are \$540,000 for the Currituck for and must be completed before April.



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**IWW STATUS UPDATE
FIND Board of Commissioners Meeting
January 20, 2016**



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5. WORK ACTIVITY: IWW Broward Reach 1 (Broward County)

CONTRACT AMOUNT: TBD

DESCRIPTION OF WORK: A hydro survey was performed by Morgan and Ecklund and provided to the Corps on 26 June 2014. There is approximately 50k cy of material located within the federal channel down to 10' and 80k cy down to 10'+2'. Even at 80k cy, given the small quantity, the most cost effective way to pursue the dredging would be utilization of a Corps of Engineers dredge, either the Currituck or Murden, and dispose of in the nearshore.

SCHEDULE Broward Reach 1:

- | | |
|---|---------------|
| • Complete Environmental Assessment (incl public reviews) | 27 March 2017 |
| • Obtain Water Quality Certification | 27 March 2017 |
| • Obtain updated Survey | 1 Dec 2016 |
| • Provide Dredge Orders to SAW | 1 April 2017 |

FIND WORK ORDER: Current path forward is to proceed with dredging with a Wilmington Hopper dredge unless it is determined that the quantity is large enough to justify a standard procurement. Anticipate a work order being presented to the FIND Board in February 2017 for dredging funding.

NAME OF CONTRACTOR: TBD

STATUS: Based on preliminary discussions with the Hillsboro Inlet Chairman, Mr. Jack Holland, it has been suggested that we consider an alternative that requires us dredging material from the IWW and placing in within the existing Hillsboro Inlet Settling Basin. This would alleviate the need to obtain NEPA on a new nearshore placement area. The Hillsboro Inlet dredge would then move the material to the dry beach south of the Inlet. In order to do this, the USACE would need to modify Broward County's permit (JCP 0229394-001-JC) or obtain a new stand-alone permit. NEPA would also need to be addressed since IWW material has never been placed in this disposal location. Staff and the Corps plan to meet with Mr. Holland.



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**IWW STATUS UPDATE
FIND Board of Commissioners Meeting
January 20, 2016**



6. WORK ACTIVITY: IWW Bakers-Haulover (Miami Dade County)

CONTRACT AMOUNT: TBD

DESCRIPTION OF WORK: Bakers-Haulover continues to be one of the highest frequency dredging needs within the IWW. The current plan is to take advantage of regional sediment management practices and dredge Bakers-Haulover as a borrow source for the Miami Dade County shore protection project.

FIND WORK ORDER: N/A

NAME OF CONTRACTOR: TBD

STATUS: The Corps is exploring options of including Bakers-Haulover as a borrow source for Miami Dade SPP.



January 5, 2017

Mark Crosley
Executive Director
Florida Inland Navigation District
1314 Marcinski Road
Jupiter, FL 33477-9498

RE: Florida Inland Navigation District
Commercial & Industrial Waterway Access Inventory
PSC #15-15-02

Dear Mark:

I appreciate the opportunity to provide professional planning and strategic positioning services to Florida Inland Navigation District (FIND) for the Commercial & Industrial Waterway Access Inventory project. For purposes of this agreement Planning Solutions Corp will be known as the "Consultant", FIND will be known as the "Client". The Commercial & Industrial Waterway Access Inventory will be known as the "project".

Background

Planning Solutions Corp developed an inventory of all existing and potential industrial and commercial waterway access sites in the 12 Counties and presented the findings at the December 16, 2016 Board meeting. The Commissioners commented that they would like the Consultant to evaluate the inventory to identify some of the best sites.

Objective

The objective is for FIND Commissioners to use this information to meet with local governments in their respective Counties. The purpose of these meetings and/or presentations would be to:

- educate them on the need for additional access
- make them aware that the inventory information is available
- encourage them to provide additional waterway access for industrial/commercial uses
- encourage them to protect existing waterway access
- advise them of the available resources with FIND

Future tasks could include monitoring the amount of access to determine if it increases over the baseline over time.



SCOPE OF SERVICES

The scope of services is to further identify sites that could be used for commercial and industrial access by analyzing and selecting the most suitable sites in each County. Once identified, the sites will be presented, along with educational information explaining why more access is needed, to the applicable local governing body(ies) in each County.

It is anticipated that the County presentations would occur the same month as the Board meeting in that County.

The following tasks are required for this project and will be completed by the Consultant, as follows.

Task 1 – Coordinate with Marine Contractors regarding Existing Issues, Needs and Sites

The Consultant will meet, or otherwise coordinate, with Marine Contractors to determine specific “favorite accesses”, concerns with access and recommendations regarding future access. A survey or questionnaire may be developed to assist with this task.

The Consultant will develop a list of Contractors and provide to FIND for review and input. FIND will provide comments and additional suggestions for agencies, groups or businesses to contact.

Information obtained in Task 1 will be used to inform Task 2.

Task 2 – Analyze Sites to Select Most Suitable Sites

The Consultant will review the inventory on a County by County basis. The information in the inventory, along with input received from marine contractors will be used to identify the most suitable sites for existing and future waterway access. The result of this analysis will be the development of 11x17 maps of the most suitable sites, along with the associated inventory data.

Task 3 – Site Visit to County to Review Sites in the Field and Meet with Technical Staff

The Consultant will conduct a site visit and meet with technical staff on a County by County basis. A field visit of the most suitable sites will be conducted and depths measured via depth finder. The purpose of the site visit is to verify the accuracy of the data in the inventory and adjust as necessary. Depth information will also be collected for the top sites in each County since it is an important component of determining the viability of the site/cost to improve it.



During the same County visit, the Consultant will meet with technical staff, as identified by the Consultant with input from the FIND Board and Staff. The sites and information will be reviewed and any comments and input from the technical staff will be recorded.

Task 4 – Update Data and Prepare Site-Specific Presentations for each County

The data collected and verified in the field will be reduced and added to the current inventory data. A presentation of the most suitable sites will be provided, specific to each, County. Typical information to be provided in the presentation will be an aerial of the site from the inventory, pictures taken during the field visit, and associated site-specific information. These slides will be combined with the slides prepared in Task 5 to create the overall information to be presented to the local governing body in each County.

Task 5 – Prepare Districtwide Educational Presentation

The Consultant will prepare a “generic” educational presentation that is applicable districtwide. This will be the first several slides of the presentation that explain the “why” existing access needs to be protected and “why” additional access is needed. It makes the case for why Elected Officials should care and what they can do about it.

The combination of the County-specific slides prepared in task 4 and the District-wide slides prepared in Task 5 will be the subject of the presentations to the applicable local governing body in each County.

Task 6 – Coordination and Meetings & Summary

The Consultant will coordinate/meet with FIND Staff, FIND Consultants and FIND Commissioners as needed or directed to complete the project and keep the FIND Executive Director apprised of the progress of the project. It is recommended that an initial meeting be held with the District’s Economic Consultant to share information related to the two endeavors. Additional coordination (such as survey questions and marine businesses/agency contacts) between the 2 Consultants will be determined based on the initial meeting.

The Consultant will conduct presentations in conjunction with FIND Commissioners and Staff to the local governing body(ies) in each County. The Consultant will coordinate with the local government to get on the meeting agenda, prepare the presentation materials (in tasks 4 and 5) and attend the presentation and/or conduct it, as desired.

The Consultant will provide a summary of the presentations (attendees, comments received and any action items).



Fee Estimate

The fee estimate provided herein is valid for 90 days from the date of this agreement. The entire scope of services will be completed for a **lump sum fee of \$180,505, (or approximately \$15,000 per County) plus reimbursable expenses**. Reimbursable expenses are **not anticipated to exceed \$15,000** and include travel expenses to meetings (2 trips to each of the 12 Counties), boat rental and other expenses, as approved by FIND

Schedule

Planning Solutions Corp will begin work immediately upon receipt of a signed, authorized agreement for services, which shall also constitute the notice to proceed. Individual tasks will be completed on a County-specific basis and are anticipated to track with the Board meeting in that County (updates can be provided to the Board accordingly, as desired). The overall project is anticipated to be completed in 18 months from the Notice to Proceed.

Thank you again for this opportunity to provide professional consulting services to the Florida Inland Navigation District for Phase II of the Commercial and Industrial Waterway Access Inventory!

Should you have any questions or need additional information, please do not hesitate to contact me at 407.491.9477.

Sincerely,

PLANNING SOLUTIONS CORP

A handwritten signature in blue ink that reads "Beth G. Lemke".

Beth G. Lemke, AICP
President

SECTION 00 10 00

BID SOLICITATION

Florida Inland Navigation District
1314 Marcinski Road
Jupiter, Florida 33477
(561) 627-3386

DREDGED MATERIAL MANAGEMENT AREA DU-2 WEIR REPLACEMENT; DUVAL COUNTY, FLORIDA

The Florida Inland Navigation District (District) will receive sealed bids for the construction of the District's Dredged Material Management Area DU-2 Weir Replacement Project at its offices at 1314 Marcinski Road, Jupiter, Florida 33477 until **2 PM, local time, January 12, 2017** and then, at said office, the bids will be publicly opened or read aloud.

This DU-2 Dredged Material Management Area project generally entails:

1. Excavation of a portion of the earthen embankment to remove/replace buried piping.
2. Demolition of existing weirs, timber walkway, and piping.
3. Fabrication and installation of three steel box weirs.
4. Fabrication and installation of aluminum access walkway structure.
5. Installation of fusion-welded HDPE piping.
6. Reconstruction of existing earthen embankment, grading, landscaping, and other associated work.

The Contractor must include a written description of his/her experience and technical capabilities with such construction. At a minimum this written description should include a description of at least 3 similar projects in the past 10 years on which the contractor was the general or primary contractor.

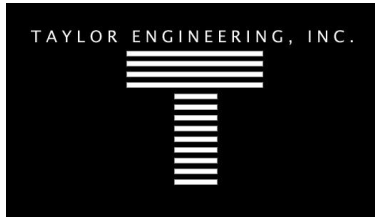
All bids not containing written information demonstrating the Contractor's experience and technical capabilities will be disqualified. If in the opinion of the District and its Engineer, the Contractor's experience and technical capabilities do not indicate similar experience, the bid will be disqualified. The Contractor may be asked to provide additional information to assist the District and its Engineer in making this determination. The District will award the bid to the qualified and responsive Contractor with the lowest bid price.

The DU-2 project area, located on northeast Black Hammock Island in **Duval County, Florida** (Township 1N; Section 38; Range 28E), is located east of Sawpit Road, just south of the intersection of Shark Road and Sawpit Road. The Contractor will have **150** days from the Notice to Proceed to complete the entire project. The District will hold a **NON-mandatory pre-bid meeting and site visit at 10:00 AM on December 13, 2016** at the DU-2 Dredged Material Management Site. Bidders shall meet at the property entrance gate of the DU-2 DMMA site.

A Bid Bond will be required for bids that exceed \$200,000.00. Offers providing less than 90 days for District acceptance after the date offers are due will not be considered and will be rejected. Contractors may obtain the Contract Documents, Project Drawings, and Specifications from the offices of the District or the District's website (<http://www.aicw.org>) at no charge.

--End of Section--

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**FLORIDA INLAND NAVIGATION DISTRICT PRE-BID MEETING ATTENDEES
TUESDAY, DECEMBER 13, 2016 AT 10:00 AM**

**DREDGED MATERIAL MANAGEMENT AREA DU-2 WEIR REPLACEMENT
DUVAL COUNTY, FLORIDA**

NAME	COMPANY NAME	ADDRESS	PHONE	E-MAIL
Bill Aley	Taylor Engineering	10151 Deerwood Park Blvd Bldg 300, Suite 300 Jacksonville, FL 32256	904-731-7040	baley@taylorengeering.com
David Juelle	CHC – Continental Heavy Civil Corp.	Miami, FL	305-299-9159	djuelle@chcivil.com
Peter Kirby	Kirby Development, Inc	Jacksonville, FL	904-821-5010	pbk@kirbydevelopment.com
Paul Safirulla	Harry Pepper & Associates	Jacksonville, FL	904-721-3300	psaf@hpepper.com
Cody Senn	C&M Dredging	Leesburg, FL	352-431-9054	cody@cmdredging.com
Brian Suggs	C&M Dredging	Leesburg, FL	352-314-8900	brian@cmdredging.com
Austin Miller	C&M Dredging	Leesburg, FL		austin@cmdredging.com
Joe Lawhon	Brance Diversified	Jacksonville, FL	904-748-0050	jlawhon@brancediversified.com



**FLORIDA INLAND NAVIGATION DISTRICT
NON-MANDATORY PRE-BID MEETING AGENDA
TUESDAY, DECEMBER 13, 2016 AT 10:00 AM**

**DREDGED MATERIAL MANAGEMENT AREA DU-2 WEIR REPLACEMENT PROJECT
DUVAL COUNTY, FLORIDA**

ITEMS:

1. OWNER REPRESENTATIVES

*Florida Inland Navigation District
1314 Marcinski Road
Jupiter, FL 33477
(561)-627-3386*

Mark Tamblyn (FIND) – Field Projects Coordinator

2. ENGINEER REPRESENTATIVES

*Taylor Engineering, Inc.
10151 Deerwood Park Blvd.
Building 300, Suite 300
Jacksonville, FL 32256
(904) 731-7040*

Bill Aley, P.G. (TE) – Project Manager

3. PROJECT SCOPE

This project generally entails demolition of existing weirs at dredged material management area (DMMA) DU-2, fabrication and installation of three steel box weirs and accompanying aluminum walkway structure; installation of various piping and culverts, landscaping, and other associated work. The Contractor will have 150 days from the Notice to Proceed to complete the entire project.

The major categories of work include, but are not limited to the following:

1. Excavation of a portion of the earthen embankment to remove/replace buried piping.
2. Demolition of existing weirs, timber walkway, and piping.
3. Fabrication and installation of three-steel box weir system and mass concrete pad.
4. Fabrication and installation of aluminum access walkway structure and concrete footers.
5. Installation of fusion-welded HDPE piping.

6. Reconstruction of existing earthen embankment and weir foundation pad, grading, landscaping, and other associated work.

The selected Contractor must perform all work in accordance with the construction drawings and specifications.

4. KEY PROJECT CHALLENGES

1. Silica fume concrete is to be used for weir pad and footer. Contractor shall specify the methods that will be used to ensure proper curing and prevent plastic shrinkage cracking. Finishing methods shall be adjusted or modified for silica fume concrete.
2. Excavation and dewatering of existing dredged material could present potential difficulties due to the unknown soil properties of the material.
3. The selected contractor must maintain material separation between weir shelf and restored dike embankment material. The stockpiled material from the removed dike section to rebuild the dike section. Other on-site borrow material shall be used to top off the dike and construct the weir foundation pad. The intent is to prevent dissimilar materials within the dike.

5. BID DOCUMENT REQUIREMENTS

Each bidder must submit the following items to the Florida Inland Navigation District by **2:00 p.m. on January 12, 2017**:

1. Bid Form (Section 00 41 63) – including recognition of all addendums related to this project
2. Bid Schedule (Section 00 41 63A)
3. Bid Bond (Section 00 43 00)
4. Public Entity Crime Statement (Section 00 45 01)
5. Affidavit for Surety Company (Section 00 45 02)

6. RECEIPT AND OPENING OF BIDS

The Florida Inland Navigation District (District) will receive sealed bids for the construction of the District's Dredged Material Management Area DU-2 Weir Replacement project at its offices at 1314 Marcinski Road, Jupiter, Florida 33477 until **2 PM, local time January 12, 2017**. The Contract will be awarded to the qualified, responsible, and responsive Bidder presenting the lowest bid. All bids shall be opened at a public meeting and the name of each bidder and the price submitted in the bid shall be read aloud. Any bids received after the time and date specified will not be considered, but will be returned unopened.

7. DOCUMENTATION TO BE SUBMITTED WITH BID

1. Copies of the Bidder's State or County (as applicable) Contracting licenses
2. References
3. Similar Projects
4. Bidder's Plan
 - a. Equipment Listing
 - b. General Construction and Fabrication Plan
 - c. Quality control plan

8. ANTICIPATED PROJECT SCHEDULE AND DURATION

1. Bid Documents Received on January 12, 2017
2. District Board Approval of the Qualified Bid on January 20, 2017
3. Notice of Award ~ January 25, 2017
4. Notice to Proceed ~ February 24, 2017
5. Final Day of Construction (150 days from Notice to Proceed)

9. CONSTRUCTION COORDINATION

The Contractor will coordinate all submittals and applications for payment through Taylor Engineering through the life of the contract.

10. INQUIRIES AND WRITTEN ADDENDA

Verbal interpretations of the meaning of the Project Drawings, Specifications, or other Contract Documents will not be valid. Every request for interpretations shall be in writing and addressed to Bill Aley, P.G. via e-mail at (baley@taylorentengineering.com) or regular mail at Taylor Engineering, Inc. To be given consideration, inquiries must be received by 5:00 EST on Monday, **January 2, 2017**. The Engineer will record the responses to inquiries and any supplemental instructions in the form of written Addenda. Any and all such interpretations and any supplemental instructions will be in the form of written Addenda to the Specifications which, if issued, will be e-mailed to all parties to whom attended the mandatory Pre-Bid Meeting (at the respective e-mail addresses provided for such purposes) not later than 5:00 p.m. on **Thursday, January 5, 2017**.

11. BIDDER'S QUESTIONS

Taylor Engineering will address general questions at this time; however, all official answers will only be provided in response to written questions. The written questions and answers will be provided in an addendum, which will govern over any response given at this time.

12. DMMA SITE VISIT

--END OF AGENDA--



January 09, 2017

Mr. Mark Crosley
Executive Director
Florida Inland Navigation District (FIND)
1314 Marcinski Road
Jupiter, FL 33477

RE: Scope of Professional Engineering Services
St. Lucie County Reach I Permitting and Design Revisions, St. Lucie County, Florida

Mr. Crosley:

Per your request, Taylor Engineering has prepared the attached Scope of Services (Attachment A) and Cost Proposal (Attachment B) for the following services related to the St. Lucie County Reach I maintenance dredging project permitting and design revisions.

- Task 1. Geotechnical Investigation Coordination
- Task 2. Environmental Permitting Coordination
- Task 3. Revised Final Design and Bid Documents
- Task 4. Bid Administration Assistance

Taylor Engineering will complete the work described herein for a cost-plus-maximum fee of \$49,885.92 (Attachment B). In addition to this total, separately, we will submit a change order request to use the remaining authorized capacity (\$46,000 cost-plus-maximum) on the existing sub-contract with American Vibracore Services, Inc. (AVS) to collect and analyze 19 additional vibracore borings (Attachment C). To select AVS, we requested qualifications from six professional firms. Based on review of four submitted qualification packages, we determined AVS as the most highly qualified with respect to similar project experience, qualifications of personnel, personnel availability, proximity of assigned personnel to the project location, and ability of firm to provide the required services in-house.

Taylor Engineering appreciates this opportunity to serve FIND. Please contact me if you have questions or comments.

Sincerely,

Jerry Scarborough, P.E.
Senior Advisor. Waterfront Engineering
Attachments (3)

**FLORIDA INLAND NAVIGATION DISTRICT
ST. LUCIE COUNTY REACH I PERMITTING AND DESIGN REVISIONS
ST. LUCIE COUNTY, FLORIDA**

**ATTACHMENT A
SCOPE OF WORK**

**FLORIDA INLAND NAVIGATION DISTRICT
ST. LUCIE COUNTY REACH I PERMITTING AND DESIGN REVISIONS
ST. LUCIE COUNTY, FLORIDA**

INTRODUCTION

This scope of professional engineering services describes Taylor Engineering's effort to support permit modifications and design revisions of the Florida Inland Navigation District (FIND) St. Lucie County Reach I Intracoastal Waterway (ICWW) Maintenance Dredging Project. The intent of these revisions is to restore St. Lucie County Reach I ICWW to its authorized depth and dispose of the dredged material on the beaches immediately south of Fort Pierce Inlet. It has been determined that this will be the most cost-effective disposal method for this maintenance dredged material.

In February 2014, FIND approved work order number 14-06 for Permitting and Engineering of the St. Lucie Reach I Maintenance Dredging project. This project assumed that dredging would be completed hydraulically with disposal at FIND Dredged Material Management Area (DMMA) SL-2. All work under this work order was completed and the project was advertised for construction in November 2016. Following advertisement, only one bid was received. The bid received was significantly outside of the awardable cost range so this solicitation was cancelled. At the time that the solicitation was cancelled St. Lucie County expressed strong interest in placing the dredged material on their critically eroded shoreline immediately south of Fort Pierce inlet.

On January 6, 2017, a conference call was held between Taylor Engineering, FIND, and the U.S. Army Corps of Engineers (USACE) to discuss potential permitting of beach placement of the ICWW maintenance dredge material. It was agreed that if a sufficient amount of vibrocore data is collected and the data indicates that the maintenance material meets beach quality standards, then it would be feasible to work with St. Lucie County to modify their pending Florida Department of Environmental Protection (FDEP) and USACE beach nourishment permit applications to include the ICWW maintenance dredge area as a borrow source. This would mutually benefit the FIND and St. Lucie County by providing a cost-effective disposal option for the FIND's dredged material while also providing sand to a critically eroded section of St. Lucie County's beach.

The FIND requested Taylor Engineering provide geotechnical investigation coordination, permit modification coordination, construction drawings and specifications revisions, and bid administration services for this project. In response, Taylor Engineering has developed this scope of services based on the following assumptions:

- Maintenance dredge material will be dredged hydraulically and placed on the beaches immediately south of the Fort Pierce Inlet between R monuments 34 and 36.
- St. Lucie County's existing and pending FDEP and USACE permits, respectively, will be modified to include the ICWW maintenance dredge area as a borrow source.
- At a later date, FIND will enter into an interlocal (or similar) agreement with St. Lucie County to share costs of the dredging project.

If any of these assumptions prove incorrect, Taylor Engineering will work with the FIND to develop an appropriate additional scope of services and cost. Finally, this proposal excludes permit fees, contract administration, and construction observation services.

TASK 1 FIELD INVESTIGATION COORDINATION

American Vibracore Services, Inc. (AVS), as a subcontractor to Taylor Engineering, will collect 19 new vibracore borings. Taylor Engineering and AVS will agree in advance on the location (coordinates) of each boring based on review of the existing M&E bathymetric and sub-bottom survey data and the dredge template developed under the previous work order. AVS will perform laboratory classification and index property tests as necessary on selected soil samples obtained from the exploration. AVS will perform grain size analyses for each soil stratum encountered at the boring locations. AVS will conduct laboratory analysis of vibracore samples as appropriate to be able to determine the compatibility of the dredged material for beach placement. AVS will document the results of the exploration in a report. Attachment C provides a copy of the AVS scope of services in its entirety.

Taylor Engineering will coordinate all contracting agreements, scopes of work, field quality assurance, data and report review, and additional communications with AVS as necessary.

TASK 2 ENVIRONMENTAL PERMITTING COORDINATION

TASK 2.1 Revised Permit Drawings

St. Lucie County has previously submitted a permit application and drawings which included the Fort Pierce Inlet sand trap and Capron Shoals as proposed borrow sources. Taylor Engineering will coordinate with St. Lucie County to revise their current permit drawings in support of a permit modification request to include the ICWW maintenance dredge area as an authorized borrow source for beach disposal.

TASK 2.2 Sediment Compatibility Analysis

Once the new vibracore data is received Taylor Engineering will evaluate the laboratory data related to sediment grain size, composition, and color to determine if the material meets the FDEP beach quality criteria. Results of the analysis will be summarized in a report which will become an integral part of the FDEP and USACE permit modifications to request beach placement of the dredged material.

TASK 2.3 Responses to Requests for Additional information

This task includes time to respond to requests for additional information (RAI) from the FDEP and the USACE, if necessary. After initial review of the permit modification requests, the FDEP and USACE will likely respond with one or more RAIs. An RAI typically comprises a series of questions that require additional clarification or other information regarding the proposed work. Accordingly, we have budgeted a maximum \$5,907 (approximately 49 person-hours) to assist in response to up to two RAIs each from the FDEP and USACE. This level of effort is significantly less than typically proposed for this

task because the primary point of contact for RAI responses will be the Taylor Engineering Coastal Group who is under contract with St. Lucie County to oversee the existing permit applications. This proposed level of effort is assumed sufficient to respond to RAIs related to the FIND/ICWW portion of the permit modification requests.

TASK 2.4 Agency Coordination

The single most important activity during the permitting process is the establishment and maintenance of a clear line of communications between the applicant and the participating agencies. To that end, Taylor Engineering will actively coordinate with local, state, and federal agency staff during the application process, as necessary. These agencies include, but are not limited to, the FDEP, USACE, U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, and National Marine Fisheries Service. Taylor Engineering will maintain consistency between the state and federal permit applications and other environmental documentation, and strive to resolve environmental issues that arise during the review period.

TASK 3 REVISED FINAL DESIGN AND BID DOCUMENTS

Task 3.1 Revised Final Design

This task includes all necessary revisions to existing final design and construction drawings and contract documents and technical specifications completed under the previous St. Lucie Reach I work order. Taylor Engineering will prepare final design documents and digital construction drawings for the project, to include beach placement of the dredged material. Construction drawing revisions will provide plan, cross-sectional, and detail views of the ICWW dredging area and pertinent details (i.e., pipeline corridor, contractor staging area, discharge area, beach fill template, etc.) for beach disposal of the maintenance dredged material. Taylor Engineering will provide construction drawings in appropriate hardcopy format and in digital (AutoCAD) format, as well as record drawings signed and sealed by a Florida Registered Professional Engineer.

Taylor Engineering will update the Division 00 and 01 Contract Documents and prepare Division 02 Technical Specifications to construct the project. Taylor Engineering will follow the Engineers Joint Contract Documents Committee (EJCDC) and Construction Specification Institute (CSI) standards and guidelines to prepare the specifications.

Task 3.2 Revised Opinion of Probable Cost

Taylor Engineering will prepare an opinion of probable cost for the project.

Task 3.3 Bid Package Preparation

Taylor Engineering will prepare a bid package (including contract documents, technical specifications, and bid schedule) with estimated quantities for all bid items. To give interested bidders immediate access to the bid package, Taylor Engineering will provide an electronic copy of the final

drawings and specifications for FIND to upload onto its FTP site. Taylor Engineering will provide FIND with a record set of drawings signed and sealed by a Florida Registered Professional Engineer.

TASK 4 BID ADMINISTRATION ASSISTANCE

Taylor Engineering will help FIND administer the bidding process and help select the contractor. Taylor Engineering will remain available at its Jacksonville offices to clarify and interpret project documents and prepare addenda, if required. Taylor Engineering will coordinate and attend the pre-bid meeting to answer questions concerning project elements for which Taylor Engineering is responsible.

Taylor Engineering will help review the bids received and provide FIND with recommendations for contractor selection. This work includes reviewing the submitted bid documents, checking references of the responsive bidders, and preparing and transmitting a written recommendation for contractor selection. Taylor Engineering will limit its review and recommendations to engineering and technical issues. The FIND will take responsibility for legal review and evaluation of contractors' financial condition, business licenses or authorizations, bonding, contractual requirements, and any other non-engineering or non-technical information.

SCHEDULE

Taylor Engineering's work on this project will begin immediately on receipt of the FIND's Notice to Proceed (NTP). Task 1 will begin immediately upon FIND's approval of a separate change order request to authorize expenditure of remaining funds under the existing AVS subcontract. The remaining tasks will be completed in sequence immediately on receipt of the FIND's NTP.

No.	Task	Months from Notice to Proceed			
		1	2	3	4
1	Field Investigation Coordination				
2.	Environmental Permitting Coordination				
3.	Revised Final Design and Bid Documents				
4.	Bid Administration				

**FLORIDA INLAND NAVIGATION DISTRICT
ST. LUCIE COUNTY REACH I PERMITTING AND DESIGN REVISIONS
ST. LUCIE COUNTY, FLORIDA**

**ATTACHMENT B
COST PROPOSAL**

TAYLOR ENGINEERING, INC.
COST SUMMARY BY TASK
P2016-223: FIND - ST. LUCIE REACH I DESIGN AND PERMITTING REVISION

TASK 1: FIELD INVESTIGATION COORDINATION

<i>Labor</i>	Hours	Cost	Task Totals
Vice President	2.0	374.00	
Senior Advisor	2.0	376.00	
Senior Professional	20.0	2,960.00	
Staff Professional	4.0	344.00	
Senior CAD Designer	6.0	678.00	
Administrative	2.0	104.00	
Total Man-Hours	36.0		
Labor Cost			4,836.00
<i>Non-Labor</i>	Units	Cost	
Drilling QA Site Visit Milage	440.0	237.60	
Drilling QA Site Visit Per Diem	1.0	64.00	
Drilling QA Site Visit Hotel	1.0	110.00	
Drilling QA Site Visit Car Rental	2.0	80.00	
Non-Labor Cost		491.60	
Fee @ 10.0%		49.16	
Total Non-Labor Cost			540.76
<i>Total Task 1</i>			5,376.76

TASK 2: ENVIRONMENTAL PERMITTING COORDINATION

<i>Labor</i>	Hours	Cost	Task Totals
Vice President	3.0	561.00	
Senior Advisor	9.0	1,692.00	
Senior Professional	76.0	11,248.00	
Staff Professional	32.0	2,752.00	
Senior CAD Designer	28.0	3,164.00	
Administrative	4.0	208.00	
Total Man-Hours	152.0		
Labor Cost			19,625.00
<i>Total Task 2</i>			19,625.00

P2016-223: FIND - ST. LUCIE REACH I DESIGN AND PERMITTING REVISION**TASK 3: REVISED FINAL DESIGN AND BID DOCUMENTS**

<i>Labor</i>	Hours	Cost	Task Totals
Vice President	1.0	187.00	
Senior Advisor	4.0	752.00	
Director	19.0	3,154.00	
Senior Professional	48.0	7,104.00	
Staff Professional	20.0	1,720.00	
Senior CAD Designer	20.0	2,260.00	
Administrative	8.0	416.00	
Total Man-Hours	120.0		
Labor Cost			15,593.00
<i>Total Task 3</i>			\$ 15,593.00

TASK 4: BID ADMINISTRATION

<i>Labor</i>	Hours	Cost	Task Totals
Vice President	1.0	187.00	
Senior Advisor	7.0	1,316.00	
Senior Professional	32.0	4,736.00	
Staff Professional	24.0	2,064.00	
Technical Editor	2.0	204.00	
Administrative	1.0	52.00	
Total Man-Hours	67.0		
Labor Cost			8,559.00
<i>Non-Labor</i>	Units	Cost	
Pre-bid meeting milage (r/t Jax to Fort Pierce)	440.0	237.60	
Pre-bid meeting per-diem (2 people)	2.0	128.00	
Pre-bid Lodging (2 people, 1 night)	2.0	220.00	
Pre-bid Car Rental (2 days)	2.0	80.00	
Non-Labor Cost		665.60	
Fee @ 10.0%		66.56	
Total Non-Labor Cost			732.16
<i>Total Task 4</i>			\$ 9,291.16

Project Total \$ 49,885.92

**FLORIDA INLAND NAVIGATION DISTRICT
ST. LUCIE COUNTY REACH I PERMITTING AND DESIGN REVISIONS
ST. LUCIE COUNTY, FLORIDA**

**ATTACHMENT C
AMERICAN VIBRACORE SERVICES
SCOPE OF WORK AND COST PROPOSAL**



January 4, 2017

Proposal #161220 Rev

Taylor Engineering, Inc.
 Mr. Bill Aley, P.G.
 10151 Deerwood Park Blvd
 Bldg 300, Ste 300
 Jacksonville, FL 32256

RE: Vibracore Sampling, Analysis and Reporting Plan for St. Lucie County ICWW

American Vibracore Services, Inc. is pleased to submit this proposal to provide professional geotechnical services for the above project. We understand that the project objectives are to establish the geotechnical characteristics of channel bottom sediments in the Intracoastal Waterway at 19 locations provided by the client in St. Lucie County, Florida to determine if the material is compatible for beach placement.

Our scope of work:

1. Acquisition of permits from the U.S. Coast Guard and the USACE, as applicable.
2. Coordinate Sunshine Utility Clearance.
3. Mobilize vibracore sampling equipment and crew to the project area.
4. A coring vessel equipped with an A-frame, winch and DGPS will be used as a coring platform. An AVS vibracore unit will be used to extract all vibracores. Coordinates and water depths will all be recorded.
5. Collect 19 borings, spaced at approximate 500' intervals, on opposite sides of the ICWW channel. The vibracoring will be advanced to 6 feet below the mud line or to penetration refusal, whichever occurs first.
6. Demobilize vessel, equipment and crew.
7. Laboratory analysis will include the following:
 - Number of samples to be determined based on the initial logs. Depending on confirmation from the FDEP, but estimated between 20 and 40 samples.
 - Core Logging by a Florida Licensed Professional Geologist
 - Photo Documentation of Cores
 - DEP standard sieve analysis
 - Representative carbonate content (5, one approximately each 4th core)
 - Visual Shell Content
 - Munsell Color Designation
 - Gradation Analysis

Calcium Carbonate Analysis
Post Carbonate Content Gradation Analysis

8. A report will be prepared of the sampling event and laboratory analyses. All laboratory data will be reported in the gINT format. The report will provide field logs, penetrometer reports, generalized subsurface profiles, core logs, particle size distribution reports, and a summary of the laboratory test results of the physical parameters, all to current FDEP standards. A Florida Registered Professional Geologist will direct all final deliverables, including electronic logs and reports.
9. The deliverables will include: (a) a presentation of the field and laboratory test procedures used and the data obtained, (b) logs presenting the subsurface conditions encountered at the boring locations referenced to mean lower low water (MLLW) elevation, (c) log photo documentation, (d) results of the grain size analysis including grain size curves and soil classifications in accordance with the Unified Soil Classification System (USCS) and (e) results of the suitability evaluations for beach placement and construction material.

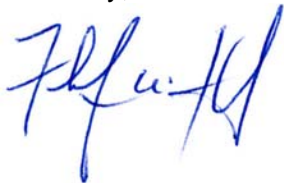
A breakdown of fees as follows:

Mobilization / Permitting	\$10,000.00
Vibracoring Sampling @ \$1,250.00/core x 19 cores	\$23,750.00
Core Logging /Photo-documentation @ \$275.00/core x 19 cores	\$5,225.00
Gradation Analysis, Carbonate Analysis, Visual Shell, Munsell Color (Up to 40 samples Gradation, Visual Shell and Munsell Color) (Up to 5 samples Carbonate)	\$4,525.00
Final Report	\$ 1,500.00

PURSUANT TO FLORIDA STATUTE 558.0035, A DESIGN PROFESSIONAL, AS DEFINED IN FLORIDA STATUTE 558.002, ACTING AS AN INDIVIDUAL EMPLOYEE OR AGENT OF AVS MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

We estimate that mobilization will take place approximately within 10 days of authorization depending on vessel availability and weather conditions. The preceding costs represent our best estimate for the tasks as we understand them. Pricing on this proposal is good for 90 days. We appreciate the opportunity to be of service, if you have any questions, please contact us.

Sincerely,



Fred Kaub, P.G., CEO
American Vibracore Services, Inc.



January 9, 2017

Mark Crosley
Executive Director
Florida Inland Navigation District (FIND)
1314 Marcinski Road
Jupiter, FL 33477

RE: FIND WO No. 14-06 Request to Spend Remaining Sub-Contract Funds
Permitting and Engineering of St. Lucie Dredging Reach I, St. Lucie County, FL

Mr. Crosley,

Our March 3, 2014 Scope of Services for the above-noted work order (Attachment A) authorized Taylor Engineering (Taylor) to sub-contract with American Vibracore Services, Inc. (AVS) to collect and analyze between 16 and 30 vibracore borings in the Intracoastal Waterway (ICWW) in St. Lucie County in support of permitting and design efforts for subject project. The total authorized capacity of the AVS subcontract was up to \$92,000 on a cost-plus-maximum fee basis.

During the preliminary design phase of the St. Lucie Reach I effort, the decision was made to pursue disposing of the project's maintenance dredge material at the recently constructed Dredged Material Management Area (DMMA) SL-2. This disposal option only required a limited geotechnical exploration as compared to pursuing beach disposal. As such, Taylor only requested AVS to collect five (5) vibracores for general characterization of the material to be dredged. To date, \$46,000 of the authorized sub-contract budget has been expended and \$46,000 in capacity remains from the original authorization.

As a result of recent discussions (1/6/17) between FIND, U.S. Army Corps of Engineers, and St. Lucie County, FIND has requested Taylor to pursue beach disposal of the St. Lucie Reach I ICWW maintenance dredge material. Permitting for this effort will require collection and analysis of 19 additional vibracores.

With this letter, we hereby request authorization to spend up to the remaining \$46,000 capacity, on a cost-plus-maximum fee basis, of the existing sub-contract with AVS to collect required vibracores in support of the beach disposal permitting efforts. A change order authorization form has been included as Attachment B. Please contact me if you have any questions regarding this request.

Sincerely,

Jerry Scarborough, P.E.
Senior Advisor. Waterfront Engineering
Attachments (2)

FIND WO NO. 14-06
REQUEST TO SPEND REMAINING SUB-CONTRACT FUNDS
PERMITTING AND ENGINEERING OF ST. LUCIE DREDGING REACH I
ST. LUCIE COUNTY, FL

ATTACHMENT A
March 3, 2014 Scope of Services

**DISTRICT ENGINEERING SERVICES
WORK ORDER NUMBER 14-06**

In accordance with the District Engineer Agreement dated August 26, 1997, as amended on October 24, 1998, October 22, 1999, February 24, 2001, January 25, 2002, January 24, 2003, January 29, 2004, February 19, 2005, March 1, 2006, December 9, 2006, December 13, 2007, December 23, 2009, February 1, 2011, and January 24, 2012 the Florida Inland Navigation District (FIND) hereby directs services to be performed under the Agreement as follows:

CONTRACTOR: Taylor Engineering, Inc.

DESCRIPTION OF WORK TO BE PERFORMED:

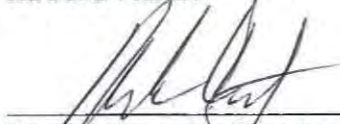
Permitting and Engineering of St. Lucie Dredging Reach 1, St. Lucie County, FL

START DATE: February 2014

SCHEDULED COMPLETION DATE: TBA

WORK ORDER AMOUNT: A cost-plus basis fee of \$249,410.00 in accordance with the scope of services and fee proposal dated January 31, 2014, (approved by the FIND Board on February 14, 2014) which is attached as Attachment A.

APPROVALS:


District Executive Director


Taylor Engineering Project Manager

Date of Final Signature: 03/03/14



January 31, 2014

ATTACHMENT A

Mr. Mark Crosley
Executive Director
Florida Inland Navigation District (FIND)
1314 Marcinski Road
Jupiter, FL 33477

RE: Scope of Professional Engineering Services
St. Lucie County Reach I Permitting and Dredging Engineering, St. Lucie County, Florida

Mr. Crosley:

Per your request, Taylor Engineering has prepared the attached Scope of Services (Attachment A) and Cost Proposal (Attachment B) for the following services related to the St. Lucie County Reach I dredging project.

- Task 1. Preliminary Design
- Task 2. Submerged Aquatic Vegetation Survey
- Task 3. Environmental Permitting
- Task 4. Final Design and Bid Documents
- Task 5. Bid Administration Assistance

Taylor Engineering will complete the work described herein for a cost-plus-maximum fee of \$249,410 (Attachment B). Of this total, a cost ranging between \$59,100 and \$92,000 represents American Vibracore Services, Inc.'s (AVS) cost-plus-maximum fee to collect and analyze between 16 and 30 vibracore borings (Attachment C). The total number of vibracore borings and the resulting fee will depend on the specifics of the dredging project as developed based on pending field data collection and preliminary design activities. To select AVS, we requested qualifications from six professional firms. Based on review of four submitted qualification packages, we determined AVS as the most highly qualified with respect to similar project experience, qualifications of personnel, personnel availability, proximity of assigned personnel to the project location, and ability of firm to provide the required services in-house.

Taylor Engineering appreciates this opportunity to serve FIND. Please contact me if you have questions or comments.

Sincerely,

John Adams, P.E.

Senior Advisor, Waterfront Engineering

Attachments (3)

**FLORIDA INLAND NAVIGATION DISTRICT
ST. LUCIE COUNTY REACH I PERMITTING AND DREDGING ENGINEERING
ST. LUCIE COUNTY, FLORIDA**

**ATTACHMENT A
SCOPE OF WORK**

**FLORIDA INLAND NAVIGATION DISTRICT
ST. LUCIE COUNTY REACH I PERMITTING AND DREDGING ENGINEERING
ST. LUCIE COUNTY, FLORIDA**

INTRODUCTION

This scope of professional engineering services describes Taylor Engineering's effort to support a proposed Florida Inland Navigation District (FIND) project that would restore St. Lucie County Reach I of the Intracoastal Waterway (ICWW) to its authorized depth and deposit dredged material within the constructed SL-2 dredged material management area (DMMA) facility. Restoration of the Reach I project area — extending from the Indian River \ St. Lucie County line southward approximately 12 miles to Middle Cove — will include excavation of the ICWW channel to target elevations of -12 ft mean lower low water (MLLW) north of the Fort Pierce Harbor Project and -10 ft MLLW south of the Fort Pierce Harbor Project. The proposed dredging template design will include an additional maximum 2 ft of allowable overdepth dredging and side slopes of one vertical to three horizontal (1V:3H).

The bathymetric survey *Intracoastal Waterway Jacksonville to Miami, Florida, St. Lucie County Project Condition Survey, 12-Foot Project* (U.S. Army Corps of Engineers, May 2008) indicates that the dredging volume required to restore St. Lucie County Reach I to its authorized depth exceeds the total storage capacity (approximately 85,000 cy) of FIND SL-2 DMMA. Therefore, the final dredging distance, depths, and resulting quantity of dredged material FIND will remove will depend on the results of an ongoing bathymetric surveying effort, dredged sediment characteristics, capacity restrictions, and the ability to offload (e.g., beach placement, local area construction projects, etc.) dredged material from the FIND SL-2 DMMA during construction. The dredged sediment characteristics, determined during the preliminary design phase via collection and analysis of vibracore data, will largely govern alternatives available for consideration.

As discussed in the *Long-Range Dredged Material Management Plan for the Intracoastal Waterway in St. Lucie County, Florida* (Taylor et al. November 1997), previous geotechnical samples suggest that at least some of the sediments within the ICWW channel may potentially be suitable for beach placement. Should the proposed geotechnical analysis identify ICWW shoal material suitable for beach placement, FIND could choose to cooperate with local interests in placing that material on the beach and thus reduce the amount of material placed in FIND SL-2 DMMA. Alternatively, FIND can work with the selected construction contractor to find viable alternatives for offloading and/or stockpiling extra material at the FIND SL-2 DMMA.

The FIND requested Taylor Engineering provide construction drawings and specifications, and bid services for this project. In response, Taylor Engineering has developed this scope of services based on the following assumptions:

- Use of the FIND SL-2 DMMA during project construction (dredging and offloading) will require that FIND reestablish an access road agreement through the Coconut Cove property between the Siemens Group and FIND similar to the agreement established for the original construction of FIND SL-2 DMMA.

- The FIND, through its designated surveyor, Morgan & Eklund, Inc. (M&E), will provide an updated bathymetric survey of the project area.
- The provided bathymetric survey and collected geotechnical data (vibracore borings and testing) will form the basis of the final design dredging template and construction drawings for the project, including the possible exclusion of portions of the channel from the proposed dredging project due to storage capacity restrictions and/or the presence of a significant quantity of sediments compatible with beach placement.
- Permitting and engineering for any possible future beach placement project will occur under a separate scope of services with FIND.
- The FIND, through its designated environmental specialist subcontractor, will provide a pre-dredge submerged aquatic vegetation (SAV), natural hardbottom, or other protected aquatic resources survey between June 1 and September 30 following Johnson's seagrass protocols, under a separate scope of services with FIND.
- Project construction (dredging) may result in currently indeterminate amount of SAV impacts, thus requiring establishment of a correspondingly complex mitigation plan. If required, mitigation plan development would occur under a separate scope of services with FIND.

If any of these assumptions prove incorrect, Taylor Engineering will work with the FIND to develop an appropriate additional scope of services and cost. Finally, this proposal excludes permit fees, contract administration, and construction observation services.

TASK 1 PRELIMINARY DESIGN

Task 1.1 Dredging Template Design and Dredge Quantities

FIND's surveyor — M&E — should provide bathymetric survey of St. Lucie County Reach I of ICWW by the beginning of March 2014. After reviewing the survey, Taylor Engineering will develop a three-dimensional AutoCAD-based digital terrain model of the project area. Taylor Engineering will apply side slopes of one vertical to three horizontal (1V:3H) for the preliminary dredging template. Taylor Engineering may update this side-slope assumption as geotechnical data from the dredging area becomes available. Taylor Engineering will develop for FIND review a dredge template that will include plan area, cross sections, and total required dredging volume by individual channel cut.

Task 1.2 Geotechnical Data Collection

American Vibracore Services, Inc. (AVS), as a subcontractor to Taylor Engineering, will collect at least 16 and at most 30 vibracore borings. Taylor Engineering and AVS will agree in advance on the location (coordinates) of each boring based on review of the pending M&E bathymetric and sub-bottom survey data and the result of the preliminary dredge template development completed in Task 1.1. AVS will perform laboratory classification and index property tests as necessary on selected soil samples obtained from the exploration. AVS will perform grain size analyses for each soil stratum encountered at the boring locations. To inform potential offloading strategies, AVS will conduct laboratory analysis of vibracores to determine the suitability of the dredged material for beneficial use as construction material.

for offsite projects. AVS will document the results of the exploration in a report. Attachment C provides a copy of the AVS scope of services in its entirety.

As noted above, Taylor Engineering will apply side slopes of 1V:3H for the preliminary dredging template. Based on the results of the geotechnical data collection Taylor Engineering may update this side-slope assumption as geotechnical data from the dredging area becomes available. If Taylor Engineering updates the side-slope assumptions, we will update the AutoCAD-based digital terrain model to develop a new dredge template (plan area, cross sections, and total required dredging volume by individual channel cut).

Task 1.3 DMMA Reconnaissance

Taylor Engineering staff will investigate the FIND SL-2 DMMA to document and evaluate existing site conditions. Staff will document any visibly apparent geotechnical issues (e.g., erosion, settling, cracking) of the DMMA and weir, and evaluate any potential on-site environmental issues (within the DMMA, pipeline corridor, borrow area, and within the contractor's likely staging area). In a letter report to the FIND, Taylor Engineering will summarize site conditions and note potential site encumbrances. The report will include photographs, an aerial map detailing any geotechnical and environmental site features and, if necessary, any restorative DMMA features required for the project.

Task 1.4 Permit-Level Drawings

Taylor Engineering will prepare digital permit drawings for the various site elements. If appropriate, the permit set will include photo-based sheets depicting the project areas. We will obtain existing aerial photography for this purpose. These drawings will provide plan, cross section, and detail views of the proposed maintenance dredging project and associated upland DMMA site and, if necessary, its return water control structure as well as any necessary seepage, drainage, and erosion control features. We will provide signed and sealed permit drawings in appropriate hard-copy format and in digital (AutoCAD and PDF) format.

TASK 2 SUBMERGED AQUATIC VEGETATION SURVEY

Taylor Engineering will coordinate with FIND's designated environmental specialist subcontractor, as necessary, during the natural resources surveying process. Taylor Engineering will provide FIND's subcontractor with an AutoCAD-based digital terrain model of the dredge template (plan area, cross sections, and total required dredging volume by individual channel cut) for the subcontractor's Uniform Mitigation Assessment Method (UMAM) and seagrass impact calculations, if necessary.

TASK 3 ENVIRONMENTAL PERMITTING

Task 3.1 Pre-Application Meetings

Taylor Engineering will coordinate and attend pre-application meetings (one per agency) with the Florida Department of Environmental Protection (FDEP) and the U.S. Army Corps of Engineers

(USACE). During these meetings (potentially located on-site), Taylor Engineering will introduce the project to state and federal regulatory agency staff, discuss foreseeable permit application issues, and solicit agency recommendations concerning the content and format of the application materials. Following completion of the pre-application meetings, Taylor Engineering will compile and submit meeting minutes to all attending parties.

During the meeting, as one alternative to deal with excess dredged material storage needs, Taylor Engineering will present and discuss the potential use of the on-site borrow area as storage for dewatered dredged material removed from the DMMA. We assume that this strategy would not require formal regulatory approval. If pre-application meetings suggest that this approach would require a modification to the existing SL-2 DMMA site permit, and assuming that FIND wishes to pursue this strategy, we will propose to pursue a site permit modification under a separate scope of services.

Task 3.2 Permit Application

Task 3.2.1 FDEP Maintenance Dredging Exemption

Taylor Engineering will prepare and submit to the FDEP a request for maintenance dredging exemption under Florida Statue 403.813(2)(f). The exemption request will include a description of the waterway's design, construction, and maintenance history; drawings showing the maintenance dredging locations and templates, and final dredged material storage areas; and description of the dredging and material handling methods.

Task 3.2.2 USACE Permit

If the pre-dredge submerged aquatic vegetation (SAV), natural hardbottom, or other protected aquatic resources survey indicates no impacts, Taylor Engineering will prepare and submit to the USACE Jacksonville District a request for verification of the maintenance dredging authorization under Department of the Army Regional General Permit SAJ-93. The verification request will include drawings showing the maintenance dredging locations and templates and final dredged material storage areas, and description of the dredging and material handling methods.

If the pre-dredge SAV, natural hardbottom, or other protected aquatic resources survey indicates impacts, Taylor Engineering will prepare and submit to the USACE Jacksonville District a Joint ERP application for the dredging of St. Lucie County Reach I of ICWW. The USACE Joint ERP application will include signed and sealed permit-level design drawings (Task 1.4) and narratives describing the (1) overall project and conceptual design, (2) location of on-site sensitive natural habitats, (3) best management practices and impact avoidance/minimization techniques, (4) natural resource impact analysis (if necessary), and (5) construction methodology and schedule.

Task 3.3 Responses to Requests for Additional Information

This task includes time to respond to requests for additional information (RAI) from the FDEP and the USACE, if necessary. After initial review of the maintenance exemption and general permit

verification requests, the FDEP and USACE will likely respond with one or more RAIs. An RAI typically comprises a series of questions that require additional clarification or other information regarding the proposed work. Accordingly, we have budgeted a maximum \$24,932 (approximately 200 person-hours) to respond to up to two RAIs each from the FDEP and USACE. Should the RAI responses require more than this budgeted labor (or should the agencies deny the maintenance exemption or verification request and require new state or federal permits), we will evaluate the response requirements and prepare and submit to FIND a scope of work and cost proposal to respond to the agency requirements. Taylor Engineering will provide all RAI responses to FIND for review before submittal to the FDEP and USACE.

Task 3.4 Coordination

The single most important activity during the permitting process is the establishment and maintenance of a clear line of communications between the applicant and the participating agencies. To that end, Taylor Engineering will actively coordinate with local, state, and federal agency staff during the application process. These agencies include, but are not limited to, the FDEP, USACE, U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, and National Marine Fisheries Service. Taylor Engineering will maintain consistency between the state and federal permit applications and other environmental documentation, and strive to resolve environmental issues that arise during the review period.

TASK 4 FINAL DESIGN AND BID DOCUMENTS

Task 4.1 Final Design

Task 4.1.1 Final Design and Construction Drawings

Taylor Engineering will prepare final design documents and digital construction drawings for the various site elements. Construction drawings will provide plan, cross-sectional, and detail views of the ICWW dredging area and pertinent details (i.e., pipeline corridor, contractor staging area, weir location, discharge area, etc.) of the SL-2 DMMA. Taylor Engineering will provide construction drawings in appropriate hardcopy format and in digital (AutoCAD) format, as well as record drawings signed and sealed by a Florida Registered Professional Engineer.

Task 4.1.2 Contract Documents and Technical Specifications

Taylor Engineering will update the Division 00 and 01 Contract Documents and prepare Division 02 Technical Specifications to construct the project. Taylor Engineering will follow the Engineers Joint Contract Documents Committee (EJCDC) and Construction Specification Institute (CSI) standards and guidelines to prepare the specifications.

Task 4.2 Bid Documents*Task 4.2.1 Bid Package Submittal*

Taylor Engineering will prepare a bid package (including contract documents, technical specifications, and bid schedule) with estimated quantities for all bid items. To give interested bidders immediate access to the bid package, Taylor Engineering will provide an electronic copy of the final drawings and specifications for FIND to upload onto its FTP site. Taylor Engineering will provide FIND with a record set of drawings signed and sealed by a Florida Registered Professional Engineer.

Task 4.2.2 Opinion of Probable Cost

Taylor Engineering will prepare an opinion of probable cost for the project.

TASK 5 BID ADMINISTRATION ASSISTANCE

Taylor Engineering will help FIND administer the bidding process and help select the contractor. Taylor Engineering will remain available at its Jacksonville offices to clarify and interpret project documents and prepare addenda, if required. Taylor Engineering will coordinate and attend the pre-bid meeting to answer questions concerning project elements for which Taylor Engineering is responsible.

Taylor Engineering will help review the bids received and provide FIND with recommendations for contractor selection. This work includes reviewing the submitted bid documents, checking references of the responsive bidders, and preparing and transmitting a written recommendation for contractor selection. Taylor Engineering will limit its review and recommendations to engineering and technical issues. The FIND will take responsibility for legal review and evaluation of contractors' financial condition, business licenses or authorizations, bonding, contractual requirements, and any other non-engineering or non-technical information.

SCHEDULE

Taylor Engineering's work on this project will begin immediately on receipt of the FIND's Notice to Proceed (NTP). Assuming Taylor Engineering receives an updated bathymetric survey soon after the NTP, Taylor Engineering expects to complete the initial design phase of the project (Task 1) within three months of the NTP.

Taylor Engineering will begin Task 2 upon receipt of FIND's designated environmental specialist subcontractor survey and should complete the task within one month. Task 3 could take between 4 and 12 months depending on the presence of natural resources. Following the satisfactory completion of Task 3, Taylor Engineering should complete the project schedule for Tasks 4 and 5 within three months.

No.	Task	Months from Notice to Proceed																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Preliminary Design																	
2.	SAV Survey																	
3.	Environmental Permitting																	
4.	Final Design and Bid Documents																	
5.	Bid Admin Assistance																	

**FLORIDA INLAND NAVIGATION DISTRICT
ST. LUCIE COUNTY REACH I PERMITTING AND DREDGING ENGINEERING
ST. LUCIE COUNTY, FLORIDA**

**ATTACHMENT B
COST PROPOSAL**

TAYLOR ENGINEERING, INC.
COST SUMMARY BY TASK
P2014-009: FIND : ST. LUCIE COUNTY REACH I DREDGING

TASK 1: PRELIMINARY DESIGN

<i>Labor</i>	<i>Hours</i>	<i>Cost (\$)</i>	<i>Task Totals</i>
Vice President	1.0	185.00	
Senior Advisor	11.0	2,035.00	
Director	6.0	930.00	
Senior Professional	100.0	13,500.00	
Editor	2.0	198.00	
Senior Technical Support	100.0	10,300.00	
Administrative	14.0	728.00	
Total Man-Hours	234.0		
Labor Cost			\$ 27,876.00
<i>Non-Labor</i>	<i>Units</i>	<i>Cost (\$)</i>	
DMMA Reconnaissance (Site Visit)	--	--	
Mileage (RT)	425.0	189.13	
Per Diem for 2 people	2.0	72.00	
Hotel for 2 people	2.0	200.00	
Reproductions and Delivery	1.0	50.00	
AVS Vibracores	1.0	92,000.00	
Non-Labor Cost		92,511.13	
Fee @ 10.0%		9,251.11	
Total Non-Labor Cost			\$ 101,762.24
<i>Total Task 1</i>			<i>\$ 129,638.24</i>

TASK 2: SUBMERGED AQUATIC VEGETATION SURVEY

<i>Labor</i>	<i>Hours</i>	<i>Cost (\$)</i>	<i>Task Totals</i>
Senior Advisor	1.0	185.00	
Senior Professional	7.0	945.00	
Senior Technical Support	1.0	103.00	
Administrative	2.0	104.00	
Total Man-Hours	11.0		
Labor Cost			\$ 1,337.00
<i>Non-Labor</i>	<i>Units</i>	<i>Cost (\$)</i>	
Reproductions and Delivery	1.0	50.00	
Fee @ 10.0%		5.00	
Total Non-Labor Cost			\$ 55.00
<i>Total Task 2</i>			<i>\$ 1,392.00</i>

P2014-009: FIND : ST. LUCIE COUNTY REACH I DREDGING

TASK 3: ENVIRONMENTAL PERMITTING

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Vice President	12.0	2,220.00	
Senior Advisor	18.0	3,330.00	
Director	6.0	930.00	
Senior Professional	290.0	39,150.00	
Editor	14.0	1,386.00	
Senior Technical Support	52.0	5,356.00	
Administrative	15.0	780.00	
Total Man-Hours	407.0		
Labor Cost			\$ 53,152.00
<i>Non-Labor</i>	Units	Cost (\$)	
Pre-Application Meetings (USACE)	--	--	
Mileage (RT)	535.0	238.08	
Per Diem for 2 people	2.0	72.00	
Pre-Application Meetings (FDEP)	--	--	
Mileage (RT)	550.0	244.75	
Per Diem for 2 people	2.0	72.00	
Reproductions and Delivery	1.0	50.00	
Non-Labor Cost		676.83	
Fee @ 10.0%		67.68	
Total Non-Labor Cost			\$ 744.51
<i>Total Task 3</i>			\$ 53,896.51

TASK 4: FINAL DESIGN AND BID DOCUMENTS

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Vice President	14.0	2,590.00	
Senior Advisor	26.0	4,810.00	
Director	4.0	620.00	
Senior Professional	266.0	35,910.00	
Editor	1.0	99.00	
Senior Technical Support	130.0	13,390.00	
Administrative	15.0	780.00	
Total Man-Hours	456.0		
Labor Cost			\$ 58,199.00
<i>Non-Labor</i>	Units	Cost (\$)	
Reproductions and Delivery	1.0	100.00	
Fee @ 10.0%		10.00	
Total Non-Labor Cost			\$ 110.00
<i>Total Task 4</i>			\$ 58,309.00

P2014-009: FIND : ST. LUCIE COUNTY REACH I DREDGING**TASK 5: BID ADMINISTRATION ASSISTANCE**

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Senior Advisor	7.0	1,295.00	
Senior Professional	32.0	4,320.00	
Editor	2.0	198.00	
Administrative	2.0	104.00	
Total Man-Hours	43.0		
Labor Cost			\$ 5,917.00
<i>Non-Labor</i>	Units	Cost (\$)	
Pre-Bid Meeting Attendance	--	--	
Mileage (RT)	425.0	189.13	
Per Diem for 2 people	2.0	20.00	
Reproductions and Delivery	1.0	25.00	
Non-Labor Cost		234.13	
Fee @ 10.0%		23.41	
Total Non-Labor Cost			\$ 257.54
<i>Total Task 5</i>			\$ 6,174.54

Project Total \$ 249,410.28

**FLORIDA INLAND NAVIGATION DISTRICT
ST. LUCIE COUNTY REACH I PERMITTING AND DREDGING ENGINEERING
ST. LUCIE COUNTY, FLORIDA**

**ATTACHMENT C
AMERICAN VIBRACORE SERVICES
SCOPE OF WORK AND COST PROPOSAL**



January 29, 2014

AVS Proposal # 140127

Joe Wagner, P.E.
Taylor Engineering, Inc.
10151 Deerwood Park Blvd
Bldg 300, Suite 300
Jacksonville, Florida 32256

**Re: Vibracore Sampling, Analysis and Reporting Plan
St. Lucie County - ICW Dredging Reach I**

American Vibracore Services, Inc. is pleased to submit this proposal to provide professional geotechnical services for the above mentioned project.

We understand that the project objectives are to establish the geotechnical characteristics of channel bottom sediments within Dredging Reach I of the Intracoastal Waterway in St. Lucie County, Florida. We further understand that the potential project area extends from the Indian River / St. Lucie line southward approximately 12 miles to Middle Cove. For the purposes of this proposal we have assumed that the Florida Inland Navigation District will authorize two vibracores per channel mile with the option of conducting supplemental cores up to a total of 30 cores.

All vibracores will be performed to a depth of approximately -16 ft MLW or refusal. We understand that the vibracore locations will be in approximately 9 – 13 feet of water. It is our understanding that the exact locations will be determined by Taylor Engineering after the performance of a bathymetric survey.

Our scope of work will be the following:

1. Mobilize vibracore vessel to the project area.
2. Mobilize vibracore equipment and crew to the project area. All cores will be extracted using a new polycarbonate core liner.
3. Extract the determined number of vibracores from locations within the Intracoastal Waterway as determined by the client.
4. Coring will be to a depth of approximately -16 ft MLW or refusal, in approximately 9-13 feet of water. A coring vessel equipped with an A-frame, winch and DGPS will be used as a coring platform. An AVS vibracore unit will be used to extract all cores. Coordinates and water depths will all be recorded.

5. Cores will be split on site as needed to optimize supplemental core locations.
6. Demobilize vessel and equipment.
7. Laboratory analysis will include the following:
 - Core logging by a Florida Licensed Professional Geologist
 - Photo-documentation of cores
 - Gradation Analysis (approx. 4 samples per core)
 - Calcium Carbonate Analysis (approx. 2 samples per core)
 - Post Carbonate Content Gradation Analysis (approx. 1 sample per core)
 - Visual Shell Content (approx. 4 samples per core)
 - Munsell Color Designation (approx. 4 samples per core)
8. A report will be prepared of the sampling event and laboratory analyses. All laboratory data will be reported in the gINT format. The report will provide field logs, penetrometer reports, generalized subsurface profiles, core logs, particle size distribution reports, and a summary of the laboratory test results of the physical parameters, all to current FDEP standards. A Florida Registered Professional Geologist will direct all final deliverables, including electronic logs and reports.
9. The deliverables will include: (a) a presentation of the field and laboratory test procedures used and the data obtained, (b) logs presenting the subsurface conditions encountered at the boring locations referenced to mean lower low water (MLLW) elevation, (c) log photo documentation, (d) results of the grain size analysis including grain size curves and soil classifications in accordance with the Unified Soil Classification System (USCS) and (e) results of the suitability evaluations for beach placement and construction material.

Based on the scope of work, a breakdown of fees as follows:

Mobilization	\$18,900.00
Vibracoring @ \$1,100.00/core x 16 cores	\$17,600.00
Core Logging /Photo-documentation @ \$600.00/core x 16 cores	\$9,600.00
Lab Testing @ \$650.00/core @ x 16 cores	\$10,400.00
Final Report	\$2,600.00

Total 59,100.00

Additional Cores:

Inclusive of vibracoring, logging, photo-documentation, lab testing, and beach compatibility analysis:

\$2,350.00/core

We estimate that mobilization will take place approximately within 10 days of authorization depending on vessel availability and weather conditions.

The preceding costs represent our best estimate for the tasks as we understand them.

We appreciate the opportunity to be of service to you and if you have any questions or comments, please don't hesitate to call our office.

Pricing on this proposal is good for 90 days.

Sincerely,

A handwritten signature in blue ink, appearing to read 'F. Kaub'.

Frederick Kaub, P.G.
Professional Geologist #1344
State of Florida

OFFICIAL RECORDS
Warranty Deed

THIS INDENTURE, Made this 29th day of August, A.D. 1990 BETWEEN
GEORGE LAUREN OGILVIE and JEANETTE OGILVIE, his wife,
of the County of Duval, State of Florida, parties of the first part, and
FLORIDA INLAND NAVIGATION DISTRICT, a Special Taxing District Under the Laws of
the State of Florida, whose mailing address is
1314 Marcinski Road, Jupiter, Florida 33477,
of the County of Palm Beach, State of Florida, party of the second part
WITNESSETH: That the said parties of the first part, for and in consideration of the sum of
TEN AND NO/100----- Dollars,
to them in hand paid by the said party of the second part, the receipt whereof is hereby acknow-
ledged, have granted, bargained and sold to the said party of the second part,
its heirs and assigns forever, the following described land, situate, lying and being in the
County of Duval, State of Florida, to wit:

SEE EXHIBIT "A" ATTACHED HERETO

Prepared By /
STEPHEN STRATFORD
2508 GULF LIFE TOWER
JACKSONVILLE, FLORIDA 32207

And the said parties of the first part do hereby fully warrant the title to said land, and will defend
the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, the said parties of the first part have hereunto set their hands and
seals the day and year first above written.

SIGNED AND SEALED IN OUR PRESENCE:

<u>[Signature]</u>	<u>[Signature]</u>
GEORGE LAUREN OGILVIE	(SEAL)
<u>[Signature]</u>	(SEAL)
<u>[Signature]</u>	JEANETTE OGILVIE (SEAL)
<u>[Signature]</u>	(SEAL)

STATE OF FLORIDA

COUNTY OF DUVAL

Before me personally appeared GEORGE LAUREN OGILVIE

and ~~XX~~ his wife, to me well known
and known to me to be the individual described in and who executed the foregoing instrument, and
acknowledged to and before me that he executed the same for the purposes therein expressed.

WITNESS my hand and official seal this 29th day of August
1990, at Jacksonville, County and State aforesaid.

[Signature]
Notary Public in and for the County and State Aforesaid.
My commission expires: 31/12/91

Return to: William L. Coalson, Esq.
2700-A4 University Blvd. W.
Jacksonville, FL 32217

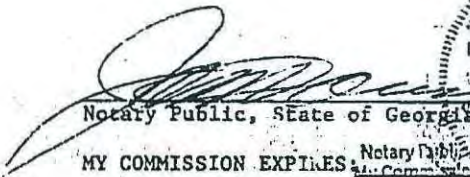
OFFICIAL RECORDS

STATE OF GEORGIA

COUNTY OF CLAYTON

Before me personally appeared JEANETTE OGILVIE, to me well known and known to me to be the individual described in and who executed the foregoing instrument, and acknowledged to and before me that she executed the same for the purposes therein expressed.

WITNESS my hand and official seal this 29th day of Aug., 1990, at Clayton, County and State aforesaid.



Notary Public, State of Georgia

MY COMMISSION EXPIRES

Notary Public, Clayton County, Georgia
My Commission Expires March 26, 1994

OFFICIAL RECORDS

EXHIBIT A

A PORTION OF THE MARY SMITH GRANT SECTION 38, TOWNSHIP 1 NORTH, RANGE 28 EAST, DUVAL COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 15, TOWNSHIP 1 NORTH, RANGE 28 EAST, SAID CORNER LYING ON THE NORTH LINE OF SAID SECTION 38, AND ALSO LYING AND BEING ON THE CENTERLINE OF A 100 FOOT WIDE ROAD RIGHT-OF-WAY (SAWPIT ROAD) AS DESCRIBED IN OFFICIAL RECORDS VOLUME 2788 PAGE 654 OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA. THENCE NORTH 69° 31' 03" EAST ALONG SAID NORTH LINE OF SECTION 38, (BEING ALSO ALONG THE SOUTH LINE OF SECTION 14, TOWNSHIP 1 NORTH, RANGE 28 EAST), A DISTANCE OF 50.00 FEET TO THE EAST RIGHT-OF-WAY OF SAWPIT ROAD AND THE POINT OF BEGINNING; THENCE CONTINUE NORTH 69° 31' 03" EAST ALONG SAID NORTH LINE AND SAID SOUTH LINE, 1383.96 FEET TO THE SOUTHEAST CORNER OF LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS VOLUME 3574 PAGE 870 OF SAID CURRENT PUBLIC RECORDS; THENCE SOUTH 20° 17' 40" EAST, 389.88 FEET TO AN IRON PIPE AT THE APPARENT HIGH WATER LINE OF THE INTRACOASTAL WATERWAY; THENCE GENERALLY SOUTHWESTERLY ALONG SAID APPARENT HIGH WATER LINE, BEING APPROXIMATED BY THE FOLLOWING COURSES AND DISTANCES: SOUTH 48° 16' 22" WEST, 28.16 FEET; SOUTH 19° 56' 10" EAST, 103.70 FEET; SOUTH 9° 10' 53" WEST, 81.40 FEET; SOUTH 7° 04' 08" EAST, 57.64 FEET; SOUTH 20° 21' 15" WEST, 48.09 FEET; SOUTH 2° 56' 00" WEST, 112.77 FEET; SOUTH 17° 52' 58" WEST, 99.89 FEET; SOUTH 24° 19' 15" WEST, 166.47 FEET; SOUTH 20° 45' 36" WEST, 105.30 FEET; SOUTH 12° 05' 47" WEST, 101.65 FEET; SOUTH 22° 59' 20" WEST, 109.56 FEET; SOUTH 21° 18' 13" WEST, 213.10 FEET; SOUTH 16° 08' 12" WEST, 105.72 FEET; SOUTH 14° 25' 12" WEST, 39.82 FEET; THENCE SOUTH 09° 11' 33" WEST, 85.00 FEET; THENCE SOUTH 59° 27' 40" WEST, 21.95 FEET; THENCE SOUTH 12° 10' 19" WEST, 125.57 FEET; THENCE SOUTH 10° 38' 16" EAST, 98.50 FEET; THENCE SOUTH 14° 43' 52" WEST, 115.96 FEET; THENCE SOUTH 04° 24' 58" WEST, 55.86 FEET; TO AN IRON PIPE; THENCE DEPARTING SAID APPARENT HIGH WATERLINE, SOUTH 69° 31' 03" WEST AND PARALLEL TO THE AFOREMENTIONED NORTH LINE OF SECTION 38, A DISTANCE OF 663.12 FEET TO THE EAST RIGHT-OF-WAY OF SAWPIT ROAD; THENCE NORTH 12° 04' 16" WEST ALONG SAID RIGHT-OF-WAY, 1934.30 FEET TO THE POINT OF BEGINNING.

CONTAINING 49.91 ACRES, MORE OR LESS.

FILED AND RECORDED
IN PUBLIC RECORDS
OF DUVAL COUNTY FLA

90-0095909

RECEIVED
90 SEP 11 PM 3:32
CLERK OF DUVAL COUNTY

**FIND WO NO. 14-06
REQUEST TO SPEND REMAINING SUB-CONTRACT FUNDS
PERMITTING AND ENGINEERING OF ST. LUCIE DREDGING REACH I
ST. LUCIE COUNTY, FL**

ATTACHMENT B
Change Order Authorization Form

CHANGE ORDER

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Change Order No. _____ 2

Date: _____ January 9, 2017

Agreement Date: _____

Project Name: St. Lucie Reach I Maintenance Dredging (FIND Work Order 14-06)

Owner: Florida Inland Navigation District

Contractor: Taylor Engineering Sub-Contractor: American Vibracore Services, Inc

The following changes are hereby authorized:

Issue a new task order under the existing sub-contract with American Vibracore Services, Inc. (AVS) to collect and analyze 19 vibracores in support of the beach disposal permitting efforts. Spend up to the remaining \$46,000 capacity, on a cost-plus-maximum fee basis, of the existing sub-contract with AVS.

Justification:

As a result of recent discussions (1/6/17) between FIND, U.S. Army Corps of Engineers, and St. Lucie County, FIND has requested Taylor to pursue beach disposal of the St. Lucie Reach I ICWW maintenance dredge material. Permitting for this effort will require collection and analysis of 19 additional vibracores to support the permit application.

CHANGE ORDER

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The following changes are hereby made to the Contract Documents:

Change in Contract Price:

Original Contract Price:	\$	249,410.00
Current Contract Price adjusted by previous Change Order	\$	249,410.00
The Contract Price due to this Change Order will be Increased by:	\$	-
The new Contract Price including this Change Order will be:	\$	249,410.00

Change in Contract Time:

Original Completion Date:	
Current completion date adjusted by previous Change Order:	
The Contract time due to this Change Order will be (Increased or Decreased) by the indicated number of calendar days:	0
The new Completion Date including this Change Order will be:	

Recommended By:

Authorized Signature:		Date:	
Title:	Taylor Engineering, Senior Advisor		

Ordered By:

Authorized Signature:		Date:	
Title:	FIND Executive Director		

Accepted By:

Authorized Signature:		Date:	
Title:	FIND Chair		

--End of Section--

TEMPORARY LEASE AGREEMENT

This TEMPORARY LEASE AGREEMENT ("LEASE") is made and entered into this ____ day of _____, 20____, between "the Parties, the Florida Inland Navigation District, an independent special district existing under the laws of the State of Florida (the "DISTRICT"), and Vance Construction, Inc., ("LESSEE").

WITNESSETH:

WHEREAS, DISTRICT is the owner in fee simple of a parcel of land in Palm Beach County, Florida, designated as Dredged Material Management Area MSA 617-C which will be used by DISTRICT and the United States for the improvement and maintenance of the Atlantic Intracoastal Waterway from St. Mary's River, Florida to the Miami Harbor, Florida and holds title subject to an easement granted by it to the United States of America for such use; and

WHEREAS, LESSEE desires to lease from DISTRICT Dredged Material Management Area 617-C, a description and map of which is attached hereto as Exhibits A and B made a part hereof, for the purpose of temporary storage and staging of artificial reef construction materials as described in Exhibit C subject to said rights of DISTRICT and the United States of America and to the terms and conditions of this Lease, and

WHEREAS, DISTRICT is of the opinion that such use by the LESSEE pursuant to the provisions of this agreement is in the public interest, and

WHEREAS, DISTRICT is agreeable that a lease should be executed for a limited term at a nominal rental subject to the terms and conditions stated herein.

NOW THEREFORE, in consideration of the promises and mutual covenants and agreements contained herein, the receipt and sufficiency of which is hereby acknowledged, it is agreed by the parties hereto:

1. RECITALS: The recitals contained herein above are true and correct and incorporated herein by reference.

2. LEASE: DISTRICT hereby leases to LESSEE the property hereinafter known as the "Leased Premises" as described in paragraph 4 below, subject to the terms and conditions set forth herein.

3. PROJECT MANAGEMENT: The Project Manager for the DISTRICT is its Executive Director and all correspondence and communications from the LESSEE shall be directed to him/her. The Project Manager shall be responsible for overall coordination and oversight related to the performance of this lease.

4. DESCRIPTION OF THE LEASED PREMISES: The Leased Premises, which is subject to this lease, is situated in Palm Beach County, State of Florida, as described in Exhibit A, attached hereto, and made a part of this agreement.

5. EXISTING CONDITIONS: LESSEE agrees to accept the Leased Premises in as is condition subject to existing easements and deed restriction.

6. TERM: The term of this LEASE shall be for a one (1) month period with one (1) option to renew for an additional one (1) month extension. Rent shall be two hundred (\$200.00) dollars per month, paid in advance. Prepayment of the rent shall not affect in any way the DISTRICT's rights under paragraph 24 below. The lease period shall commence on the date of execution.

7. PURPOSE: LESSEE shall manage the Leased Premises to provide a temporary material staging area for construction of the referenced Palm Beach County Phil Foster & Sugar Sands Reef Project, as described in Exhibit B.

8. QUIET ENJOYMENT AND RIGHT OF USE: LESSEE shall have the right of ingress and egress to, from, and upon the Leased Premises for all purposes that do not conflict with the DISTRICT's and the United States of America's Dredge Material Management Program, however, use of the property is restricted to the hours of operation from 8:00 AM to 6:00 PM, WEEKDAYS only, for the quiet enjoyment of the neighboring property owners.

9. UNAUTHORIZED USE: LESSEE shall, through its agents and employees, prevent the unauthorized use of the Leased Premises or any use thereof not in conformance with this LEASE.

10. ASSIGNMENT: This LEASE shall not be assigned in whole or in part without the prior written consent of DISTRICT. Any assignment made either in whole or in part without the prior written consent of DISTRICT shall be void and without legal effect; provided, however, the District acknowledges and agrees that LESSEE may utilize

the services of third party LESSEE's, engineers, etc., in performance of the dredging project, and any such third-party contracts for such purpose shall require the LESSEE's to abide by the terms and conditions of this Lease Agreement.

11. EASEMENTS: All easements to be granted by LESSEE including, but not limited to, utility easements are expressly prohibited without the prior written approval of DISTRICT. Any easement not approved in writing by DISTRICT shall be void and without legal effect.

12. SUBLEASES: This LEASE is for the purposes specified herein, and subleases of any nature are prohibited without the prior written approval of DISTRICT. Any sublease not approved in writing by DISTRICT shall be void and without legal effect.

13. RIGHT OF INSPECTION: DISTRICT or its duly authorized agents, representatives or employees shall have the right at any, and all times to inspect the Leased Premises and the works and operations of LESSEE in any matter pertaining to this LEASE.

14. PLACEMENT AND REMOVAL OF IMPROVEMENTS: Any equipment, supplies, or improvements constructed or placed on the property by LESSEE in accordance with a plan approved by the DISTRICT shall be removed by LESSEE at the termination of this LEASE. No trees, other than non-native species, shall be removed or major land alterations done without the prior written approval of DISTRICT. Removable equipment and removable improvements placed on the Leased Premises by LESSEE which do not become a permanent part of the Leased Premises will remain the property of LESSEE and may be removed by LESSEE upon termination of this LEASE, pursuant to Paragraph 26 below.

15. INSURANCE BY LESSEE: In consideration for the privilege herein granted, LESSEE shall not claim any damages from the DISTRICT in connection with or on account of, and as between the parties shall be solely responsible for, any injuries or damages arising in or on the Leased Premises while being used by LESSEE and its agents, representatives, and employees. The DISTRICT does not warrant or represent that the Lease Premises are safe or suitable for the purpose for which LESSEE is permitted to use it, and LESSEE assumes all risks in its use. LESSEE, and any contractors and sub-contractors utilized by LESSEE pursuant to this LEASE, shall have public liability and

workmen's compensation insurance in the amount of not less than one million dollars (\$1,000,000.00) and shall name DISTRICT as additional insured on such policy or policies. LESSEE shall also provide for not less than thirty (30) days' prior written notice to DISTRICT in the event of cancellation thereof. LESSEE, prior to entering upon the subject Premises, shall provide to DISTRICT copies of said insurance policies or certificates of insurance showing conformity with this provision. LESSEE shall provide and keep in force such other insurance and in such amount as may from time to time be required by DISTRICT against such other insurable hazards as at the time are commonly insured against in the case of other premises similarly situated or similarly utilized.

It is specifically understood and agreed that in no event shall DISTRICT or any interest of DISTRICT in the Subject Premises or any portion thereof be liable for or subject to any construction lien or liens for improvements or work made by or for LESSEE; and this Agreement specifically prohibits the subjecting of DISTRICT's interest in the Subject Premises or any portion to any construction lien or liens for improvements made by LESSEE which LESSEE is responsible for payment under the terms of this Agreement. All persons dealing with LESSEE are hereby placed upon notice of this provision. All memoranda and short forms of this agreement which shall be recorded among any public records shall contain the provisions set forth above in this paragraph; provided, however, nothing contained in this sentence shall permit or authorize the recording of and memorandum or short form of this Agreement other than by DISTRICT.

16. **ADDITIONAL INSURANCE:** LESSEE shall require any third-party contractors, engineers, consultants, etc., to maintain insurance in the amounts and types indicated above and shall furnish the DISTRICT copies of the Certificates of Insurance.

17. **PAYMENT OF TAXES AND ASSESSMENTS:** LESSEE shall assume full responsibility for and shall pay all liabilities that accrue to the Leased Premises and/or to the improvements thereon, including any and all ad-valorem taxes and drainage and special assessments or taxes of every kind and all construction liens which may be hereafter lawfully assessed and levied against the Leased Premises, resulting from LESSEE use of the Lease Premises for the purposes provided for herein.

18. NO WAIVER OF BREACH: The failure of DISTRICT to insist in any one or more instances upon strict performance of any one or more of the covenants, terms and conditions of this LEASE shall not be construed as a waiver of such covenants, terms or conditions, but the same shall continue in full force and effect, and no waiver of DISTRICT of any of the provisions hereof shall in any event be deemed to have been made unless the waiver is set forth in writing and signed by DISTRICT.

19. NON-DISCRIMINATION: LESSEE shall assure and certify that it will comply with Title IV of the Civil Rights ACT of 1964 (PL 88-352) as amended and, in accordance with that Act, shall not discriminate against any individual's race, color, creed, sex, national origin, age, handicap, or marital status with respect to any activity occurring within the Leased Premises or upon lands adjacent to and used as an adjunct of the Leased Premises.

20. UTILITY FEES: LESSEE shall be responsible for payment of all charges for the furnishing of gas, electricity, water and other public utilities to the Leased Premises, if needed by LESSEE, and for having the utilities turned off when the Leased Premises are surrendered.

21. COMPLIANCE WITH LAWS: LESSEE agrees that this LEASE is contingent upon and subject to LESSEE obtaining all applicable permits and complying with all applicable permits, regulations, ordinances, rules and laws of the State of Florida or the United States or of any political subdivision or agency of either.

22. NOTICE: All notices given under this LEASE shall be in writing and shall be served by certified mail to the last address of the party to whom notice is to be given, as designated by such party in writing. DISTRICT and LESSEE hereby designate their address as follows:

TO DISTRICT: Florida Inland Navigation District
1314 Marcinski Road
Jupiter, Florida 33477
Attn: Executive Director

TO LESSEE: Vance Construction, Inc.
955 25th Ct,
West Palm Beach, FL 33407
Attn: Project Manager

Copies of all Notices shall also be delivered to the DISTRICT'S Project Manager.

23. BREACH OF COVENANTS, TERMS OR CONDITIONS: Should LESSEE breach any of the covenants, terms, or conditions of this LEASE, DISTRICT shall give written notice to LESSEE to immediately remedy such breach. In the event LESSEE fails to immediately remedy the breach to the satisfaction of DISTRICT upon receipt of written notice, or longer period if it is not capable of being immediately cured but LESSEE has commenced the cure, DISTRICT may either terminate this LEASE and recover from LESSEE all damages DISTRICT may incur by reason of the breach including, but not limited to, the cost of recovering the Leased Premises and attorney's fees; or maintain this LEASE in full force and effect and exercise all rights and remedies herein conferred upon DISTRICT.

24. DAMAGE TO THE PREMISES: LESSEE agrees that it will not do, or cause to be done, in, on, or upon the Leased Premises or as affecting said Leased Premises, any act which may result in damage or depreciation of value to the Leased Premises, or any part thereof. Any alterations to the property caused by the LESSEE shall be restored to their original conditions.

25. HAZARDOUS MATERIALS: LESSEE agrees that, during the term of this lease, it:

A. Shall keep or cause the Leased Premises to be kept free of hazardous wastes or substances.

B. Shall not cause or permit, as a result of any intentional or unintentional act or omission on the part of LESSEE or any assignees, a release of hazardous wastes or substances onto the Leased Premises.

C. Shall comply with and ensure compliance by its employees and all others under its direction with all applicable federal, state, and local laws, ordinances, rules, and regulations.

D. The terms "hazardous waste", "hazardous substance", "disposal", "release", and "threatened release", if used in this lease, shall have the same meaning as set forth in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. Section 9601, et seq. (CERCLA"), the Superfund Amendments and Reauthorization Act of 1986, Pub. L. No. 99-499 ("SARA"), the Hazardous Materials Transportation Act, 49 U.S.C. Section 1801, et seq., the Resource Conservation and recovery Act, 49 U.S.C. Section 6901 et seq., the Florida Resource and Management Act, Chapter 403, Florida Statutes, the Pollution, Spill, Prevention, and Control Act, Chapter 376, Florida Statutes, or any other applicable state or federal laws, rules, or regulations adopted pursuant to any of the foregoing.

E. Shall immediately provide DISTRICT with notice of any release or threatened release of hazardous waste within the Leased Premise, and shall immediately provide DISTRICT with notice of any injury or action taken by any local, state, or federal governmental body with respect to hazardous waste within the Leased Premises.

F. Shall remove any hazardous waste or hazardous substances which exceed allowable levels in the ground or the groundwater within the Leased Premises, arising from LESSEE' use of the Leased Premises.

26. SURRENDER OF PREMISES: Upon termination or expiration of this LEASE, LESSEE, shall surrender the Leased Premises to DISTRICT. Upon termination or expiration of this LEASE, all structures permanently affixed to the land and all improvements made will become the property of the DISTRICT, provided, however, that if any structures are such, in the DISTRICT'S determination, that they can be moved without harm to the area where situated then the LESSEE may, within ten (10) days following termination of the LEASE, remove the same. Upon final termination, the property must be left in essentially the same condition as when it was first leased to the LESSEE, save for ordinary wear and tear, unless otherwise approved in writing by the DISTRICT.

27. PROHIBITIONS AGAINST LIENS OR OTHER ENCUMBRANCES: Fee title to the Leased Premises is held by DISTRICT. LESSEE shall not do or permit anything to be done which purports to create a lien or encumbrance of any nature against the real

property contained in the Leased Premises including, but not limited to, mortgages or construction liens against the Leased Premises or against any interest of DISTRICT therein.

28. **PARTIAL INVALIDITY:** If any term, covenant, condition or provision of this LEASE shall be ruled by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder of the provisions shall remain in full force and effect and shall in no way be affected, impaired or invalidated.

29. **COUNTERPARTS; SIGNATURES:** This Agreement may be executed in counterparts, all of which taken together shall be deemed an original, with a facsimile and/or an e-mail signature serving as an original thereof.

30. **ENTIRE UNDERSTANDING:** This LEASE sets forth the entire understanding between the Parties and shall only be amended with the prior written approval of the Parties.

31. **MAINTENANCE OF IMPROVEMENTS:** LESSEE shall maintain the real property contained within the Leased Premises and the improvements located thereon in a state of good condition, working order and repair including, but not limited to, keeping the Leased Premises free of trash or litter, meeting all building and safety codes in the location situated. As may be mutually agreed to by the Parties, any removal, closure, etc., of the above improvements shall be acceptable when the proposed activity is consistent with the goals of conservation, protection, and enhancement of the natural and historical resources within the Leased Premises and with the approved plans.

32. **GOVERNING LAW:** This LEASE shall be governed by and interpreted according to the laws of the State of Florida.

33. **SECTION CAPTIONS:** Articles, subsection and other captioned contained in this LEASE are for reference purposes only and are in no way intended to describe, interpret, define or limit the scope or extent of intent of this LEASE or any provisions thereof.

34. **ATTORNEY'S FEES:** In the event of any litigation arising out of or resulting from this LEASE, the venue of such litigation shall be had only in the state courts in Palm Beach County, Florida. The prevailing party in such litigation shall be entitled to

its costs and reasonable attorney's fees (at trial, appellate, and post-judgment proceeding levels).

IN WITNESS WHEREOF, the parties have caused this LEASE to be executed on the day and year first written above.

BY: _____

BY: _____

Its _____

LESSEE

ATTEST:

FLORIDA INLAND NAVIGATION
DISTRICT

BY: _____

BY: _____

Executive Director

BOUNDARY SURVEY

PART OF SECTIONS 29 & 32
TOWNSHIP 41 SOUTH, RANGE 43 EAST
PALM BEACH COUNTY, FLORIDA

PROJECT SITE MSA 617-C (EXPANDED)

LEGAL DESCRIPTION: PARCEL MSA 617-C (PREVIOUSLY KNOWN AS PARCEL MSA 617-A)
DEED BOOK 640, PAGES 363-365 AND DEED BOOK 711, PAGE 160

ALL THAT PORTION OF THE E 1/2 OF THE SE 1/4 OF SECTION 29, TOWNSHIP 41 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, LYING SOUTH OF A LINE PARALLEL TO AND 800 FEET DISTANT NORTH FROM, WHEN MEASURED AT RIGHT ANGLES TO, THE SOUTH LINE OF SAID E 1/2 OF THE SE 1/4 OF SECTION 29, TOWNSHIP 41 SOUTH, RANGE 43 EAST, AND LYING EAST OF THE EASTERLY BOUNDARY OF THE 500 FOOT RIGHT-OF-WAY OF THE INTRACOASTAL WATERWAY FROM JACKSONVILLE TO MIAMI, FLORIDA, AS THAT RIGHT-OF-WAY IS SHOWN ON A MAP RECORDED IN THE PUBLIC RECORDS OF SAID PALM BEACH COUNTY, IN PLAT BOOK 17, AT PAGE 7. THE ABOVE DESCRIBED TRACT CONTAINS 9.50 ACRES BY DEED, 9.74 ACRES BY SURVEYOR, MORE OR LESS.

SUBJECT TO:

THE RIGHT OF WAY OF ELLISON WILSON ROAD AS DESCRIBED IN OFFICIAL RECORDS BOOK 539, PAGE 486-487

AND;

A DRAINAGE EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 7393, PAGES 1805-1810.

AND;

A DRAINAGE EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 7370, PAGES 1107-1111.

TOGETHER WITH THE FOLLOWING PARCELS OF LAND (EXPANSION PARCELS):

LEGAL DESCRIPTION: PARCEL B (PARCEL III OF DEED RECORD BOOK 990 PAGE 379-384:)

THAT PART OF THE NORTH 300 FEET OF THE NORTHEAST QUARTER OF SECTION 32, TOWNSHIP 41 SOUTH, OF RANGE 43 EAST, WHICH LIES EAST OF THE RIGHT-OF-WAY OF THE INTRACOASTAL WATERWAY, AND WEST OF THE NORTHEAST QUARTER, OF THE NORTHEAST QUARTER, OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF OF SAID SECTION, CONTAINING 2.88 ACRES BY SURVEYOR, MORE OR LESS.

AND;

LEGAL DESCRIPTION: PARCEL A (DEED RECORD BOOK 897 PAGE 261-262)

THE NE 1/4 OF THE NE 1/4 OF THE NE 1/4 OF THE NE 1/4 OF SECTION 32, TOWNSHIP 41 SOUTH, RANGE 43 EAST, CONTAINING 2.5 ACRES BY DEED, 2.55 ACRES BY SURVEYOR, MORE OR LESS.

BOTH OF THE ABOVE PARCELS SUBJECT TO:

ANY RIGHTS OF WAY OR EASEMENTS OF ELLISON WILSON ROAD, (A 80 FOOT RIGHT OF WAY AS PRESENTLY CONSTRUCTED, MAINTAINED AND MONUMENTED), ALONG OR WITHIN THE EASTERLY PORTION OF THE HEREIN DESCRIBED PARCEL OF LAND.

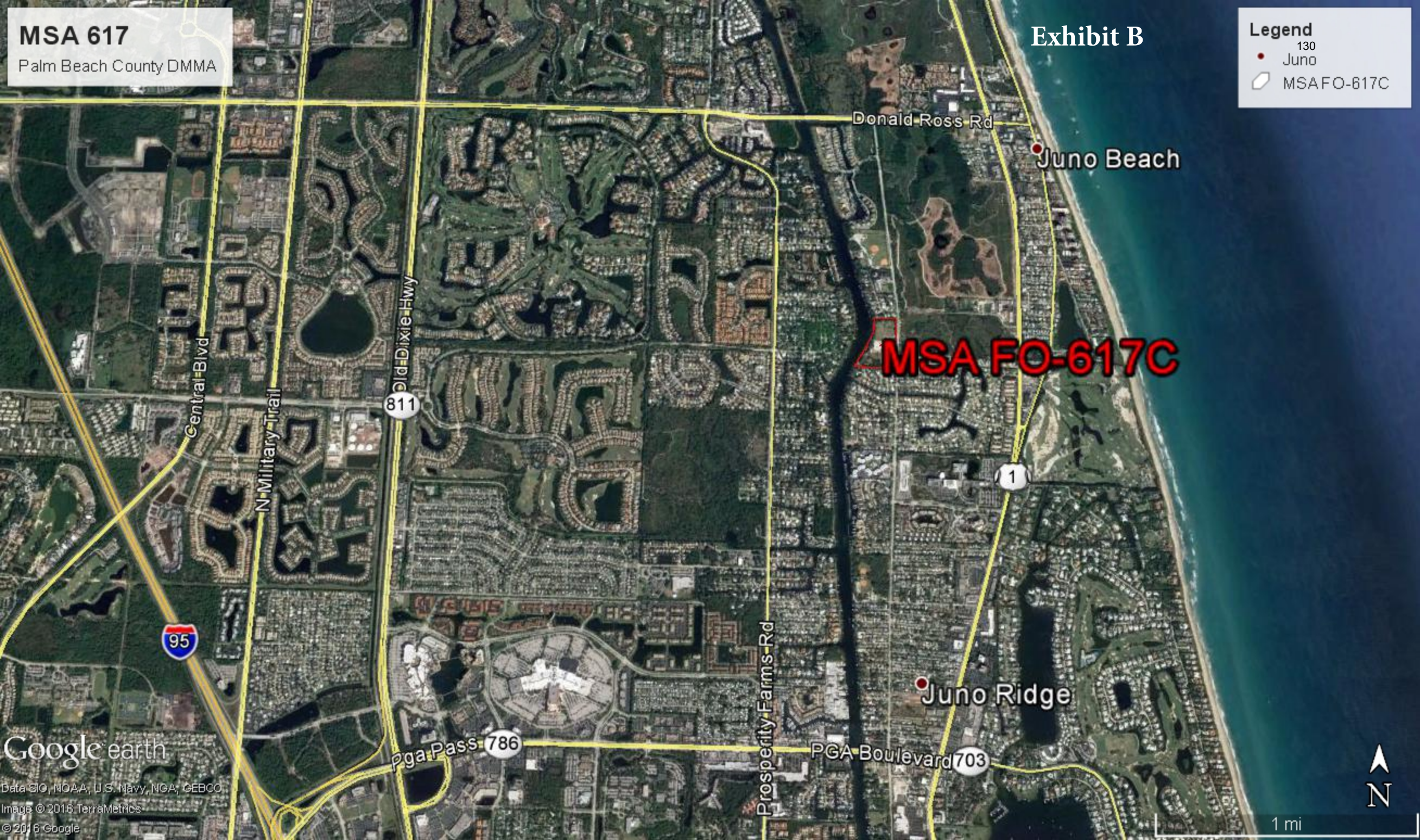
MSA 617
Palm Beach County DMMA

Exhibit B

Legend

130
• Juno

MSAFO-617C



Mark Crosley

From: Vance Construction Company <vanceconstructioncompany@gmail.com>
Sent: Friday, January 06, 2017 12:44 PM
To: Mark Crosley
Subject: F.I.N.D loading site lease request For PBCERM Artificial Reef & Breakwater Annual Contract.

Good afternoon Mark,

Per your conversation with Jim, we wanted to reach out to you about setting up a lease agreement for using the F.I.N.D. site off of Ellison Wilson Road to complete one of our PBCERM projects. We would like to use the site to complete the Phil Foster & Sugar Sands Reef Project, work order #0949-3. We are estimating the project to take 3 to 4 weeks to complete and we would like to begin work as early as next week if possible. For the 1st phase of the project, we would be trucking in donated concrete material. This donated concrete material will consist of culvert pipes, concrete slabs, and other miscellaneous concrete structures that have been donated by RMB Concrete. The 2nd phase will be trucking in flat cap rock from our rock quarry in Moore Haven. Our job has to be complete by February 14th so we will need the site for 1 month. Please see below quantities for each project. If you need any further information please let me know. Thank you and have a good day.
Trace Vance.

Phil Foster:

-600 Tons Limestone.

-630 Tons Donated Reef Material.

Sugar Sands:

-316 Tons Limestone.

-1100 Tons Donated Reef Material.

--

Vance Construction Company
225 Southern Blvd.
Suite 201
West Palm Beach, FL 33405
office/fax: (561) 855-8195



January 09, 2017

Mr. Mark Crosley
Executive Director
Florida Inland Navigation District (FIND)
1314 Marcinski Road
Jupiter, FL 33477

RE: FIND WO No. 15-08 Request for Additional Funding to Incorporate Fernandina Harbor Marina (FHM) Maintenance Dredging as Alternate Bid Item to Nassau Reach I Maintenance Dredging Project

Mr. Crosley:

Per your request, Taylor Engineering has prepared the attached Scope of Services (Attachment A) and Cost Proposal (Attachment B) for the following services related to subject revisions to the Professional Permitting and Engineering Services for the Maintenance Dredging of Nassau Reach I, Including Applicable Portions of the Atlantic Intracoastal Waterway (AIWW) within the Fernandina Harbor Project, Nassau County, FL, project.

Task 1. Fernandina Harbor Marina Coordination
Task 2. Revised Final Design and Bid Documents

The purpose of this effort will be to incorporate maintenance dredging of the FHM into the existing FIND Nassau Reach I maintenance dredging project as an alternate bid item. This effort will require close coordination with the FHM as well as revisions to existing final designs and bid documents. Incorporation of the marina maintenance dredging as an alternate bid item allows the base FIND project to proceed uninterrupted in the event that the marina is not prepared for maintenance dredging during the timeframe of the AIWW Nassau maintenance work. Taylor Engineering will complete the work described herein for a cost-plus-maximum fee of \$19,434.00 (Attachment B).

Taylor Engineering appreciates this opportunity to serve FIND. Please contact me if you have questions or comments.

Sincerely,

Jerry Scarborough, P.E.
Senior Advisor. Waterfront Engineering
Attachments (2)

**FLORIDA INLAND NAVIGATION DISTRICT
REQUEST FOR ADDITIONAL FUNDING TO INCORPORATE FERNANDINA HARBOR
MARINA MAINTENANCE DREDGING AS ALTERNATE BID ITEM TO NASSAU REACH I
MAINTENANCE DREDGING PROJECT**

NASSAU COUNTY, FLORIDA

**ATTACHMENT A
SCOPE OF WORK**

**FLORIDA INLAND NAVIGATION DISTRICT
REQUEST FOR ADDITIONAL FUNDING TO INCORPORATE FERNANDINA HARBOR
MARINA MAINTENANCE DREDGING AS ALTERNATE BID ITEM TO NASSAU REACH I
MAINTENANCE DREDGING PROJECT**

NASSAU COUNTY, FLORIDA

INTRODUCTION

This scope of professional engineering services describes Taylor Engineering's effort to support final design, specifications, and contract document revisions to the Florida Inland Navigation District (FIND) Nassau County Reach I Atlantic Intracoastal Waterway (AIWW) Maintenance Dredging Project. The purpose of this effort will be to incorporate maintenance dredging of the Fernandina Harbor Marina (FHM) into the existing FIND project as an alternate bid item. This effort will require close coordination with the FHM as well as revisions to existing final designs and bid documents. Incorporation of the FHM maintenance dredging as an alternate bid item allows the base FIND project to proceed uninterrupted in the event that the marina is not prepared for maintenance dredging during the timeframe of the AIWW Nassau maintenance work.

It is our understanding that the FHM is interested in in coordinating maintenance dredging of their marina with the upcoming FIND AIWW maintenance dredging project. Typically, the marina is maintained using smaller mechanical dredges to dig shoaled material, place it into a scow, then move the material to trucks for upland disposal. We also understand that the marina suffered significant damages resulting from Hurricane Matthew in October 2016. Due to these damages the marina is currently closed to public use until major repairs can be made to the docks and mooring structures. It is expected that these repairs will be completed during summer 2017. The current marina closure and plans for reconfiguration of docks and pilings presents a potential opportunity for significant cost savings to the marina if the marina repairs can be scheduled to occur around the time of planned FIND AIWW maintenance dredging work.

The FIND requested Taylor Engineering provide this cost proposal for coordination and construction drawings and specifications revisions for this project. In response, Taylor Engineering has developed this scope of services based on the following assumptions:

- FHM has, and will share with FIND the following: a permit for the proposed maintenance dredging; a recent bathymetric survey of the areas to be dredged; a design template for the maintenance dredging.
- FHM will contract with a design engineer other than Taylor Engineering to produce required surveys and designs.
- FHM will contract with a Marine Construction Contractor to remove appropriate docks and pilings prior to scheduled dredging.
- FHM will contract with a Marine Construction Contractor to replace all docks and pilings following dredging.

- All maintenance dredging will be conducted using a hydraulic cutter-suction dredge, therefore the area of the marina to be dredged will be free of broken pilings, debris, or other sub-surface obstructions that may interfere with hydraulic dredging.
- FHM will be responsible for any contractor's change orders that may arise from potential dredging complications as a result of field conditions at the marina (i.e. debris, broken pilings, etc).
- Maintenance dredged material from the marina will be disposed of at FIND Dredged Material Management Area NA-1.
- FHM will work with FIND to remove their dredged material from the DMMA within a timeframe agreed upon between the marina and FIND.
- FHM will work with FIND to execute an agreement and pay their share of dredging contract costs associated with the marina work.

If any of these assumptions prove incorrect, Taylor Engineering will work with the FIND to develop an appropriate additional scope of services and cost. Finally, this proposal excludes permit fees, contract administration, and construction observation services.

TASK 1 FERNANDINA HARBOR MARINA COORDINATION

Taylor Engineering will coordinate, as necessary, with the FHM to review all permits, surveys, and dredge templates for the proposed maintenance dredging work. We will also communicate regularly with the marina to insure that other assumptions related to the timing of removal of docks and piles from the planned dredge area fits with the timing of the AIWW maintenance dredging project so the alternate bid item for the marina can be awarded during an appropriate phase of the AIWW maintenance dredging.

TASK 2 REVISED FINAL DESIGN AND BID DOCUMENTS

TASK 2.1 Revised Construction Drawings and Specifications

This task includes all necessary revisions to existing final design and construction drawings and contract documents and technical specifications completed under the previous Nassau Reach I work order (FIND WO No. 15-08). Taylor Engineering will prepare final design documents and digital construction drawings for the project, to include an alternate bid item for maintenance dredging of the FHM. Construction drawing revisions will provide plan, cross-sectional, and detail views of the AIWW dredging area and pertinent details (i.e., pipeline corridor, contractor staging area, discharge area, etc.) for maintenance dredging. Taylor Engineering will provide construction drawings in appropriate hardcopy format and in digital (AutoCAD) format, as well as record drawings signed and sealed by a Florida Registered Professional.

Taylor Engineering will update the Division 00 and 01 Contract Documents and prepare Division 02 Technical Specifications to construct the project, to include an alternate bid item for maintenance dredging of the FHM. Taylor Engineering will follow the Engineers Joint Contract Documents Committee (EJCDC) and Construction Specification Institute (CSI) standards and guidelines to prepare the specifications.

TASK 2.2 Revised Opinion of Probable Cost

Taylor Engineering will prepare an opinion of probable cost for the project. Opinion of costs for the FIND AIWW maintenance dredging will be presented separately from opinion of costs for the alternate bid item to maintain the marina.

TASK 2.3 Bid Package Preparation

Taylor Engineering will revise the bid package (including contract documents, technical specifications, and bid schedule) with estimated quantities for all bid items, including the new alternate bid item. To give interested bidders immediate access to the bid package, Taylor Engineering will provide an electronic copy of the final drawings and specifications for FIND to upload onto its FTP site. Taylor Engineering will provide FIND with a record set of drawings signed and sealed by a Florida Registered Professional Engineer.

SCHEDULE

Taylor Engineering's work on this project will begin immediately on receipt of the FIND's Notice to Proceed (NTP). Task 1 will begin immediately upon FIND's approval and Task 2 will proceed as we receive necessary information from FHM for incorporation into existing designs and specifications.

No.	Task	Months from Notice to Proceed			
		1	2	3	4
1	Fernandina Harbor Marina Coordination				
2.	Revised Final Design and Bid Documents				

**FLORIDA INLAND NAVIGATION DISTRICT
REQUEST FOR ADDITIONAL FUNDING TO INCORPORATE FERNANDINA HARBOR
MARINA MAINTENANCE DREDGING AS ALTERNATE BID ITEM TO NASSAU REACH I
MAINTENANCE DREDGING PROJECT**

NASSAU COUNTY, FLORIDA

**ATTACHMENT B
COST PROPOSAL**

TAYLOR ENGINEERING, INC.
COST SUMMARY BY TASK
P2017-004: FIND - NASSAU DESIGN REVISION

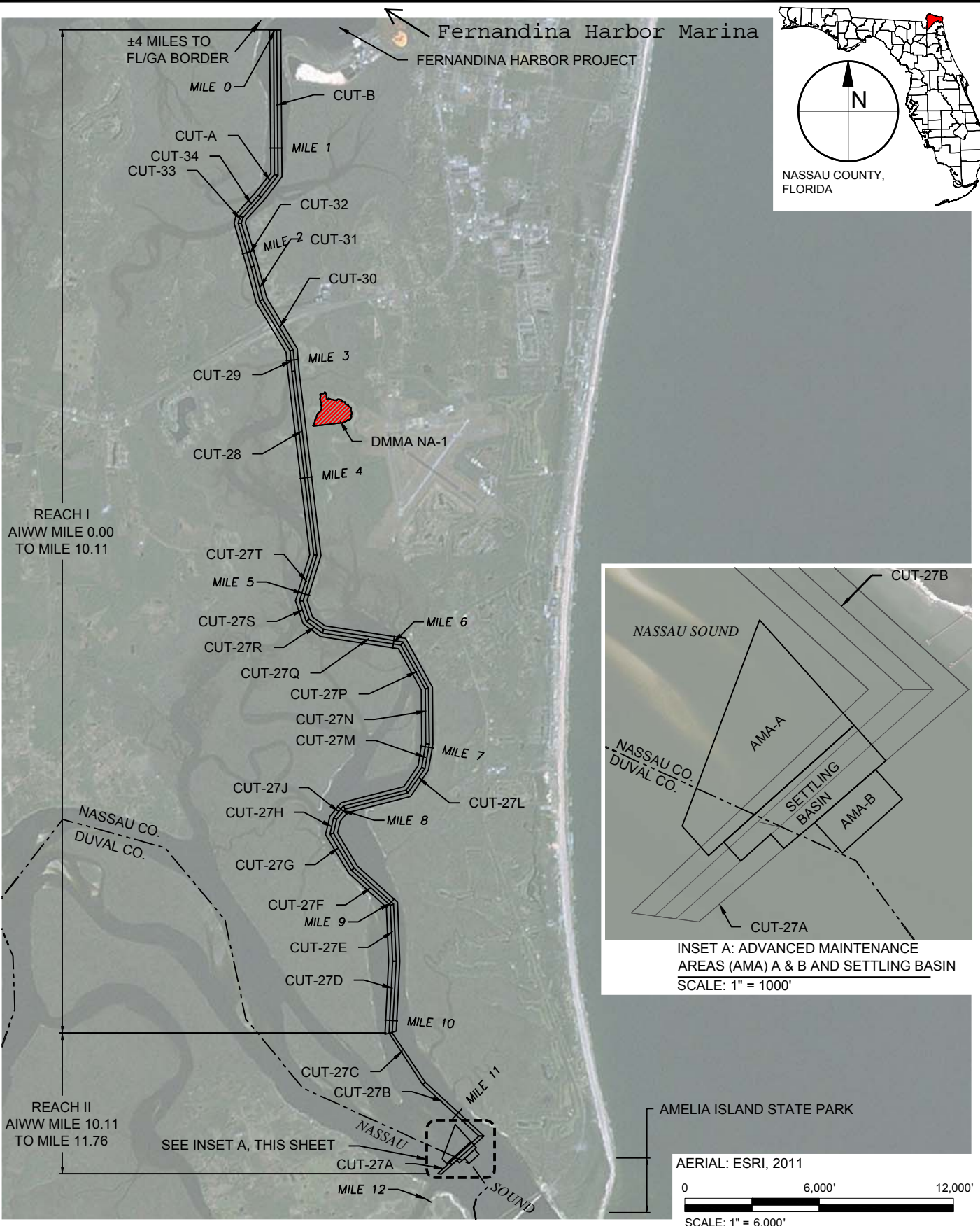
TASK 1: FERNANDINA HARBOR MARINA COORDINATION

<i>Labor</i>	Hours	Cost	Task Totals
Senior Advisor	7.0	1,351.00	
Senior Professional	28.0	4,256.00	
Senior CAD Designer	4.0	476.00	
Total Man-Hours	39.0		
Labor Cost			6,083.00
<i>Total Task 1</i>			6,083.00

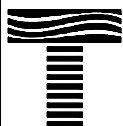
TASK 2: REVISED FINAL DESIGN AND BID DOCUMENTS

<i>Labor</i>	Hours	Cost	Task Totals
Vice President	1.0	196.00	
Senior Advisor	4.0	772.00	
Director	11.0	1,903.00	
Senior Professional	30.0	4,560.00	
Staff Professional	28.0	2,632.00	
Senior CAD Designer	24.0	2,856.00	
Administrative	8.0	432.00	
Total Man-Hours	106.0		
Labor Cost			13,351.00
<i>Total Task 2</i>			13,351.00

Project Total \$ 19,434.00



ANTON FLEWELING X:\SYSPROJECTS\2013-031 NA DU DMMP\FIGURES\2013-031-F-NASSAU FIGURE 1 REVISED.DWG 0/22/2015 10:40:06 AM



TAYLOR ENGINEERING INC.

10151 DEERWOOD PARK BLVD.
BLDG. 300, SUITE 300
JACKSONVILLE, FL 32256
CERTIFICATE OF AUTHORIZATION # 4815

FIGURE 1
REACH LIMITS AND DESIGNATED DREDGED MATERIAL
MANAGEMENT SITES
ATLANTIC INTRACOASTAL WATERWAY
NASSAU COUNTY, FLORIDA

PROJECT	C2013-031
DRAWN BY	AF
SHEET	1 OF 1
DATE	JUNE 2015

Marineland Marina
101 Tolstoy Lane
Marineland, FL 32080



Office: (904)814-9886
Email: MarinelandMarina@gmail.com

January 9, 2017,

Janet Zimmerman
Assistant Executive Director
Florida Inland Navigation District
1314 Marcinski Road
Jupiter, FL 33477-9427

Re: FY 2014-2015 and 2016-2017 Waterways Assistance Programs – Grant
Application Marineland Marina Phase 2

Dear Ms. Zimmerman,

The Town of Marineland would like to request a cost modification for this Phase II project due to more accurate pricing received during our bidding process. The overall cost for the project did not change. This modification is only necessary to shift funds into the different categories necessary to complete the reporting for these grants.

Thank you for your consideration.

Sincerely,

Chris Kelley
Dockmaster, Town of Marineland Marina

1st cost estimate to 2nd cost estimate revision
(2015) (2017)

(See Rule Section 66B-2.005 & 2.008 for eligibility and funding ratios)

Project Title:	Marineland Marina Phase B
Applicant:	Town of Marineland

Project Elements <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	Quantity or Total Estimated Cost (Number and/or Footage etc.)	Applicant's Cost	FIND Cost
Dredging and dock construction		\$472,269	\$40,000
Construction Dock Master Facility		0	\$65,434
ADA accessibility ramp and parking		0	\$31,549
Fire suppression system		\$3,714	0
Pumpout system		\$25,391	0

**TOTALS =	\$	\$493,017	\$136,983
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ALCALDE & FAY
GOVERNMENT & PUBLIC AFFAIRS CONSULTANTS

January 6, 2017

MEMORANDUM

TO: Mark Crosley, Executive Director
Janet Zimmerman, Assistant Executive Director

FROM: Jim Davenport

SUBJECT: Federal Legislative Report

FY 2017 FUNDING FOR THE INTRACOASTAL WATERWAY

Before adjourning for the year, Congress cleared a Fiscal Year (FY) 2017 Continuing Resolution (CR) that would extend current funding levels for most federal agencies through April 28, 2017. The President signed the \$1.07 trillion CR into law shortly thereafter. In addition to maintaining federal spending at FY 2016 levels (with an across-the-board cut of 0.19% for all accounts), the bill provides for additional investments to address the Flint, Michigan water crisis, as well as other needs. These include:

- \$170 million to address water infrastructure and health needs in Flint, Michigan;
- \$872 million for programs included in the 21st Century Cures Act, including \$500 million for states to combat the opioids addiction crisis;
- \$45 million to address a funding shortfall and continue health care coverage for retired coal miners past the end of the year, though it likely won't be enough to satisfy coal state lawmakers;
- \$4.1 billion in disaster relief funds to respond to major flood and hurricane damage in certain states; and,
- \$10 billion in additional uncapped war funding to combat the Islamic State terrorist group and for other military and diplomatic efforts.

As a result of the CR, the Corps FY 2017 Work Plan will likely be delayed until spring.

Before the end of the year, we worked with Representative Frankel and seven other members of FIND's Congressional Delegation to obtain a letter to the Corps seeking FY 17 funds (attached), and we will continue working with your congressional delegation and the Corps between now and the release of the Work Plan for IWW funding.

We will continue to keep you apprised of our efforts.



DEPARTMENT OF THE ARMY
OFFICE OF THE ASSISTANT SECRETARY
CIVIL WORKS
108 ARMY PENTAGON
WASHINGTON DC 20310-0108

REC'D 147
DEC 27 2016
Florida Inland
Navigation District

DEC - 8 2016

Mr. Donald J. Cuozzo
Chair, Florida Inland Navigation District
1314 Marcinski Road
Jupiter, Florida 33477-9427

Dear Mr. Cuozzo:

This is in response to your letter dated October 21, 2016, requesting funding for multiple operation and maintenance projects in the Fiscal Year (FY) 2017 Work Plan. I apologize for the delay in responding to your letter.

While no commitments concerning final FY 2017 allocations can be made at this time, the projects mentioned in your letter will be considered for funding, along with many other programs, projects and activities across the Nation in competition for available Federal resources.

Thank you for your interest in the Army Civil Works program.

Very truly yours,

Jo-Ellen Darcy
Assistant Secretary of the Army
(Civil Works)