

**Board of  
Commissioners Meeting  
August 21, 2015**



# **PRELIMINARY AGENDA**

## **FLORIDA INLAND NAVIGATION DISTRICT Board of Commissioners Meeting**

**9:00 a.m., Friday, August 21, 2015**

**Disney's Vero Beach Resort  
9250 Island Grove Terrace  
Vero Beach, (Indian River County) FL 32963-4145.**

### **Item 1.      Call to Order.**

Chair Blow will call the meeting to order.

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### **Item 2.      Pledge of Allegiance.**

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

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### **Item 3.      Roll Call.**

Secretary McCabe will call the roll.

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### **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.

(Please see back up pages following the **COLOR** page)

RECOMMEND:      Approval of the Consent Agenda.

- A) Keep Indian River Beautiful, Inc. Waterway Cleanup Program Funding Request, Indian River County, FL.
  - B) Keep Martin Beautiful, Inc. Waterway Cleanup Program Funding Request, Martin County, FL.
  - C) Keep Palm Beach County Beautiful, Inc. Waterway Cleanup Program Funding Request, Palm Beach County, FL.
  - D) City of Holly Hill Small-Scale Derelict Vessel Removal Program Application, Volusia County, FL.
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### **Item 5.      Additions or Deletions.**

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

RECOMMEND:      Approval of a final agenda.

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**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.*

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**Item 7.      Board Meeting Minutes.**

The minutes of the following meetings are presented for approval.

- June 19, 2015 – Finance & Budget Committee Mtg. (Please see back up pages 9-11)
- June 19, 2015 – Board Meeting (Please see back up pages 12-43)
- June 20, 2015 – Board Meeting (Please see back up pages 44-72)
- July 18, 2015 – Board Meeting (Please see back up pages 73-95)

RECOMMEND:      Approval of the minutes as presented.

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**Item 8.      Comments from the U.S. Army Corps of Engineers.**

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

(Please see back up pages 96-99)

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**Item 9.      Staff Report on Indian River County Area Projects.**

Staff will present a report on the District's Indian River County area projects.

(Please see back up pages 100-116)

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**Item 10.      Presentation and Discussion of Muck Movement, Discharge Water Quality and Biological Evaluation of Dredging Indian River (IR) Reach 1, Indian River County, FL.**

In October 2014, the Board agreed to cost-share in a study to evaluate muck movements, discharge water quality, and biological impacts on local biota from the Indian River Reach 1 Dredging Project. The preliminary results of the study, conducted in partnership with the U.S. Army Corps of Engineers (USACE) research center in Vicksburg, Mississippi and the Florida Institute of Technology (Florida Tech), Melbourne, FL are now available.

Due in part to the large size of Dredged Material Management Area (DMMA) IR-2, there was limited outflow from the site, and the dredge slurry, including the dissolved and particulate nutrients, remained inside the DMMA. Dr. Robert Weaver, PhD, (*Director, Indian River Lagoon Research Institute, Assistant Professor of Ocean Engineering - Department of Marine &*

*Environmental Systems, Florida Tech*) is scheduled to present the results from each component of the study and preliminary analysis. The final analysis will be available in the project's final report.



**Item 10 (cont.).**

(Please see back up pages 107-125)

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

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**Item 11.**      **Review of the Proposed 5-Year Dredging and Dredged Material Management Area (DMMA) Plan.**

Staff has updated the District's 5-year plan for dredging and DMMA construction. This document is intended to be a "living" planning document that will be utilized to schedule future District projects. As situations change and opportunities are repositioned, the scheduling of these projects may shift significantly. However, this information provides a basis to plan and finance future waterway improvements.

(Please see back up pages 126-128)

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

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**Item 12.**      **Easement Release Request for Fox Cut – Cady Property.**

The current owners of waterfront property along Fox Cut (4262 Old A1A) in Flagler County have requested the release of the previous Federal right-of-way associated with this waterbody. The easement is the expired ROW associated with an abandoned route of the Intracoastal Waterway (IWW). Several years ago, this issue was thoroughly vetted, and the Board released all easements that were NOT associated with Section 9, Township 11S, and Range 31E. Because of their proximity to the current IWW ROW, those properties within Section 9 were agreed to be evaluated on a case-by-case basis.

Staff has determined that the subject property is NOT within the current IWW ROW. The property owner has followed the requested procedures for easement release and submitted the required payments for this process. The property serves no purpose for IWW management and is recommended for release.

(Please see back up pages 129 - 138)

RECOMMEND: Approval of the release of the portion of abandoned Federal IWW ROW at Fox Cut associated with the historic waterway, in accordance with the District's easement release policy and subject to the U.S. Army Corps of Engineers concurrence, Flagler County, FL.

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**Item 13.**      **Scope of Services and Fee Proposal for Additional Design of a Permanent Discharge Pipeline for Dredged Material Management Area (DMMA) BV-4B.**

In order to provide an outflow for the proposed seepage control drainage ditch at DMMA BV-4B, it will be necessary to design, permit and install a permanent pipeline from the facility to the Indian River Lagoon. This pipeline will also handle all discharge water from future dredging events.

**Item 13 (cont.).**

Taylor Engineering has provided a scope of services and a not-to-exceed fee quote for this proposal. Of the proposed work, approximately \$21,000.00 represents work performed by the sub-contractor on this project. Staff has reviewed the submitted information and found it to be consistent and reasonable for this work.

(Please see back up page 139-150)

RECOMMEND: Approval of a proposal and fee quote from Taylor Engineering in the amount of \$106,653.00 for design, engineering and permitting of a permanent discharge pipe for DMMA BV-4B, Brevard County, FL.

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**Item 14.**      **Acceptance of the Qualified Low Bid for the Clearing and Grubbing of Dredged Material Management Area MSA-726 (Exchange Club Park), in the City of Pompano Beach, Broward County, FL.**

Staff requested bids to clear and grub the District's Long-Range, Dredged Material Management Area (DMMA) MSA-726 (Exchange Club Park) in the City of Pompano Beach. This project is in support of the forthcoming dredging of Reach 1 of the Intracoastal Waterway in north Broward County. Four bids were received for this project. The low bidder, Arbor Tree & Land, Inc., has been evaluated and qualified by Taylor Engineering.

(Please see back up pages 151-160)

RECOMMEND: Approval of the qualified low bid from Arbor Tree & Land, Inc., in the amount of \$607,300.00 for the clearing & grubbing of MSA-726 in Broward County, FL.

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**Item 15.**      **Scope of Services and Fee Quote for Professional Construction Administration Services for the Clearing, Grubbing and Landscaping of MSA-726 (Exchange Club Park) Broward County, FL.**

In accordance with the District's clearing and grubbing of MSA-726 within the City of Pompano Beach, Taylor Engineering has submitted a proposal for construction management and oversight of this project. This proposal includes bidding support to the landscape phase of this project, and necessary vibration monitoring due to the close proximity of numerous single-family homes in this area.

Taylor Engineering has provided a scope of services and a not-to-exceed fee quote for this proposal. Of the proposed work, approximately \$30,560.00 represents work performed by the sub-contractor on this project. Staff has reviewed the submitted information and found it to be consistent and reasonable for this work.

(Please see back up pages 161-189)

RECOMMEND: Approval of a scope of services & fee quote from Taylor Engineering in the amount of \$110,664.00 for construction administration, vibration monitoring and landscape bid assistance for MSA-726 (Exchange Club Park) Broward County, FL.

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**Item 16.**      **Acceptance of the Contractor Short-List Pursuant to the Request for Qualifications for the Broward County Intracoastal Waterway Deepening Project, Broward County, FL.**

Staff has received five (5) separate responses to the District's Request for Qualifications (RFQ) for the Broward Intracoastal Waterway (IWW) Deepening Project. The Evaluation Committee met on Thursday, August 13, at 11:00 AM to grade, qualify and rank all the respondents who met or exceeded the criteria established in the RFQ in order to select the three (3) highest ranked respondents to be recommended to the Board for bidding. The results of the Evaluation Committee's recommendation will be presented to the Board at the August meeting.

The Board will need to approve this list, which will allow the three (3) highest ranked contractors to bid on the project. Note that the Board is not bound by the Evaluation Committee's recommendation and the Board's final ranking may differ from the recommended list. *The final bids will be presented for approval at the September 12, 2015 Board meeting.*

(Please see back up pages 190-202)

RECOMMEND:      Approval of the Evaluation Committee's recommended short-list of three (3) contractors to bid on the Broward County Intracoastal Waterway Deepening Project, Broward County, FL.

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**Item 17.**      **Scope of Work and Fee Quote for Professional Construction Administration, Project Closeout and Certification Services for the Broward Intracoastal Waterway Deepening Project, Broward County, FL.**

In order to complete the forthcoming Broward Intracoastal Waterway (IWW) Deepening Project, Taylor Engineering has provided a 2-year (24 month) scope of work and fee quote matching the duration of the proposed project construction. Taylor Engineering has been assisting the District with the design, engineering and permitting of this involved and difficult project for many years.

It is essential to the success of this project that both the District and our engineer provide substantial access and oversight during the project construction. Staff has reviewed the submitted this cost-plus maximum proposal and found it to be consistent and reasonable for this work.

(Please see back up pages 203-208)

RECOMMEND:      Approval of a scope of work and fee quote from Taylor Engineering in the amount of \$603,245.00 for a 24-month construction administration, project closeout and certification services for the Broward Intracoastal Waterway Deepening Project, Broward County, FL.

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**Item 18. Assistance Projects Extension Requests.**

Several Project Sponsors have requested extensions of their FY 2013-14 project agreements. By law and District program rules, these agreements can be extended for one (1) additional year (Revised expiration date: September 30, 2016).

(Please see back up pages 209-245)

RECOMMEND: Approval of the requested project agreement extensions for one additional year.

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**Item 19. Assistance Program Rule Revision.**

Each year, upon completion of the assistance program application cycle, staff reviews the program, notes the Commissioners' comments, and proposes changes to the assistance program rules that would improve the process for the District and the applicants. Based on comments at our July 2015 meeting, staff has prepared specific rule language. It is staff's intention to make the approved changes to both the Waterways Assistance Program (WAP) and Cooperative Assistance Program (CAP) rules as applicable.

(Please see back up pages 246-250)

RECOMMEND: Approval of the proposed rule language for rulemaking.

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**Item 20. Regulatory Plan for Rule Adoption.**

Florida Statute 120.74 requires that the District prepare a regulatory plan to include a listing of each law the District expects to implement by rulemaking prior to July 1, 2016. Pursuant to this statute, staff has prepared a plan for the Board's review and approval. The plan must be submitted prior to October 1, 2015.

(Please see back up pages 251-255)

RECOMMEND: Approval of the District's Regulatory plan for FY 2015-16.

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**Item 21. Acceptance of the Qualified Low Bid for the Dredged Material Management Area IR-2 Well Monitoring Project, Indian River County, FL.**

Staff requested bids to provide quarterly well monitoring services for a three-year period at the District's Long-Range, Dredged Material Management Area (DMMA) IR-2 located in north Indian River County (City of Sebastian).

The site was recently filled to approximately 1/3 capacity (303,000 cu/yds) with the completion of the IR Reach 1 Dredging Project. Saline water is expected to decant from the site over the next year. As part of the permit conditions, the monitoring wells around the site need to be sampled on a quarterly basis.

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### **Item 21 (cont.).**

Smart-Sciences, Inc. has submitted a low bid of \$16,890.00 for the proposed work. The contractor has been qualified and staff recommends acceptance of the low bid for this project.

(Please see back up pages 256-276)

RECOMMEND: Approval of the qualified low bid from Smart-Services Inc., in the amount of \$16,890.00 for the three-year, quarterly sampling of monitoring wells at DMMA IR-2, Indian River County, FL.

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### **Item 22. 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.

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### **Item 23. Washington 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 277-278)

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### **Item 24. Additional Staff Comments and Additional Agenda Items.**

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### **Item 25. Additional Commissioners Comments.**

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### **Item 26. 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.

**SYNOPSIS OF THE MINUTES OF THE  
FLORIDA INLAND NAVIGATION DISTRICT**

**Finance and Budget Committee Meeting**

**7:30 a.m., Friday, June 19, 2015**

**Hilton Cocoa Beach**

**1550 North Atlantic Avenue**

**Cocoa Beach, Brevard County, Florida 32931-3268**

**ITEM 1.      Call to Order.**

Current Committee Chair Cuozzo called the meeting to order at 7:36 a.m.

**ITEM 2.      Roll Call.**

Assistant Executive Director Janet Zimmerman called the roll and Committee Chair Cuozzo, Commissioner McCabe, Commissioner Netts and Commissioner Sansom were present. Ms. Zimmerman stated that a quorum was present.

**ITEM 3.      Additions or Deletions.**

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

Commissioner Sansom made a motion to approve the agenda as presented. The motion was seconded by Commissioner Netts. Chair Cuozzo asked for any further discussion, hearing none, a vote was taken and the motion passed.

**ITEM 4.      Election of a Committee Chair.**

Commissioner McCabe nominated Commissioner Netts as the new Finance and Budget Committee Chair. The motion was seconded by Commissioner Sansom. Chair Cuozzo asked for any further discussion, hearing none, a vote was taken and the motion passed.

Chair Cuozzo turned the meeting over to the newly nominated Committee Chair Netts.

**ITEM 5.      Public Comments.**

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

**ITEM 6.      Financial Statements for April of 2015.**

Mr. Crosley presented the District's financial statements for April of 2015.

Mr. Crosley noted that the District renewed one CD with Bank United at a .51% interest rate. He stated that staff changed the District's tax collections account to Seacoast National into a new Money Market account at a .40% interest rate. He noted that staff is diligent about shopping for the best interest rates.

Commissioner Sansom made a motion to approve a recommendation to the full Board of the financial statements for April of 2015. The motion was seconded by Commissioner Cuozzo. Chair Netts asked for any additional discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 7.      April 2015 Budget Summary and Project Status Expenditure Reports.**

Mr. Crosley presented the Expenditure and Project Status Reports for April of 2015. He asked for questions, there were none.

**ITEM 8.      Delegation of Authority Report.**

Mr. Crosley presented the Executive Director's Delegation of Authority actions and stated that three actions were taken from May 5, 2015 through June 4, 2015 and is presented for committee review. He asked for any questions. There were none.

**ITEM 9. Additional Agenda Items or Staff Comments.**

Chair Netts asked if there were any additional agenda items or staff comments. There were none.

**ITEM 10. Additional Commissioners Comments.**

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

**ITEM 11. Adjournment.**

Chair Netts stated that hearing no further business the meeting was adjourned at 7:46 a.m.



**SYNOPSIS OF MINUTES OF THE  
FLORIDA INLAND NAVIGATION DISTRICT**

**7:45 a.m., Friday, June 19, 2015**

**Board of Commissioners Meeting**

**Hilton Cocoa Beach Oceanfront**

**1505 North Atlantic Avenue (S.R. AIA)**

**Cocoa Beach, Brevard County, Florida 32931-3268**

**ITEM 1.      Call to Order.**

Chair Blow called the meeting to order at 7:51 a.m.

**ITEM 2.      Pledge of Allegiance.**

Commissioner Sansom led the pledge of allegiance to the flag of the United States of America.

**ITEM 3.      Roll Call.**

Secretary McCabe called the roll and Chair Blow, Vice-Chair Cuzzo, Treasurer Netts, Commissioner Chappell, Commissioner Crowley, Commissioner Donaldson, Commissioner Dritenbas, Commissioner Isiminger, Commissioner Sansom, and Commissioner Williams were present. Secretary McCabe stated that a quorum was present. Also in attendance were Executive Director Mark Crosley, Assistant Executive Director Janet Zimmerman, and Attorney Peter Breton. Commissioner Self was absent.

The following visitors were present: Mr. Steven Trull, U. S. Fish and Wildlife Service; Mr. William Tredik, St. Johns River Water Management District; Ms. Brenda Leonard, Florida Department of Environmental Protection; Ms. Mary Jean White, Florida Department of Environmental Protection; Ms. Libby Woodruff, Mr. Dean

Kubitschek, City of Fort Pierce; Mr. Kent Donahue, City of Port Orange; Ms. Beth Lemke, City of Daytona Beach; Ms. Jeanne Willard, Mr. Greg Bartholomew, City of South Daytona; Mr. Timothy Baylie, Volusia County; Mr. Joe Nolin, Volusia County; Mr. Chris Kelley, Town of Marineland; Ms. Elizabeth Yates, Flagler County; Mr. Andrew Holesko, St. Johns County Airport Authority; Mr. Tim Fleming, City of St. Augustine; , Ms. Joyce Denny, Mr. Tom Morgan, Ms. Kathy Haley, and Ms. Gina Drakes, Miami-Dade County; Mr. Joe Springer, City of Fernandina Beach; Mr. David Frodsham, Town of Surfside; Mr. Stephen Bogner, City of Miami; Mr. Bob Weinrib, City of Miami; Ms. Judy Hoanshelt, City of Miami Beach; and Mr. Rodney Carreri-Santana and Ms. LaKeesha Morris, City of North Bay Village.

**ITEM 4.      Consent Agenda.**

Chair Blow noted that the new Committee Assignments are included in the Consent Agenda. He asked if there were any comments or questions regarding the Consent Agenda.

Treasurer Netts made a motion to approve the Consent Agenda as presented. The motion was seconded by Vice-Chair Cuzzo. Chair Blow asked for any additional discussion. Hearing none, a vote was taken and the motion passed.

**ITEM. 5.      Additions or Deletions.**

Chair Blow asked if there were any additions or deletions to the agenda.

Mr. Crosley stated that he would like to add to the agenda: Item 5A, Resolution to Support the Port of Palm Beach's One-Hundred (100) Year Centennial Anniversary, Palm Beach County, Florida.

Ms. Zimmerman stated that she would like to delete from the agenda: Item 11.36, City of Miami Beach, Indian Creek Shoreline and Greenway, Phase I. The application was withdrawn.

Commissioner Sansom made a motion to approve the final agenda as amended. The motion was seconded by Commissioner Dritenbas. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 5A. Resolution to Support the Port of Palm Beach's One-Hundred (100) Year Centennial Anniversary, Palm Beach Country, Florida.**

Mr. Crosley noted that this year, the Port of Palm Beach is celebrating their one-hundred (100) year Centennial Anniversary. Area agencies and governments have been requested to support the Port's celebration.

Treasurer Netts made a motion to approve a Resolution to the Port of Palm Beach in support of their one-hundred (100) year Centennial Anniversary. The motion was seconded by Commissioner Isiminger. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 6. Public Comments.**

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

Mr. Dale Ketcham, 1175 Shady Lane, Merritt Island, Florida, 32952 stated that he would like to provide additional information regarding Space X and the "Shiloh Launch Complex". He stated that the commercial space launch industry is deemed essential and an integral component of the United States National Space Program. The administration and Congress have passed laws to that effect. The for-profit private sector launch

industry has been deemed an essential component of the Space Program of the United States for matters of competitiveness and national security. He noted that the Federal Government is willing to reroute commercial shipping and air traffic during a commercial launch. Because of the support from the Federal Government for this project, an occasional inconvenience to recreational boaters should be considered.

**ITEM 7.      Board Meeting Minutes.**

Chair Blow asked if there were any comments or questions regarding the Board meeting minutes. Commissioner Sansom referenced Item 11 of the April 17, 2015 Board Meeting Minutes and noted that in the second paragraph should read "Federal" Aviation Administration.

Commissioner Isiminger made a motion to approve the April 17, 2015 and the May 17, 2014 meeting minutes as amended. The motion was seconded by Commissioner Dritenbas. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 8.      Finance and Budget Committee Report.**

Committee Chair Netts stated that the District's Finance and Budget Committee met before today's Board meeting. He noted that the Committee reviewed and recommends approval of the April, 2015 financial information.

Treasurer Netts made a motion to approve the District's April, 2015 financial information. The motion was seconded by Vice-Chair Cuozzo. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 9.      Staff Report on Brevard County Area Projects.**

Mr. Crosley presented the Brevard County report and asked if there were any questions. He also noted that Brevard County is currently using the District's DMMA BV-52 site for a muck dredging project. The county is considering using District Site DMMA BV-4B for another muck dredging project. DMMA BV-4B is currently unconstructed and as the county uses this site, they will be providing wetland and pipeline routing enhancements to the site.

**ITEM 10.    FY 2015-2016 Cooperative Assistance Program Application Presentations.**

Ms. Zimmerman outlined the presentation schedule and stated that each applicant will be allowed five minutes for their presentation followed by five minutes of commissioner questions and discussion. She stated that each application has a highest available score listed for that project, and for a project to remain eligible for funding, it must obtain a total score of 35 or above. She noted that the minimum score any project can receive is 10. She informed commissioners that their scoring sheets are due back to the office by July 2nd. She stated that all project permits must be received by the District's Final Budget and Tax Hearing, which has tentatively been set for September 23, 2015.

Ms. Zimmerman stated that if a policy issue comes up during an application presentation, it will be deferred to the end of the meeting for discussion. She noted that it is important that this meeting stay on schedule.

Ms. Zimmerman stated that if the general public wishes to comment on any agenda item, they can do so at the end of each day. She asked if there were any questions. There were none.

**ITEM 10.1. Merritt Island Biolab Boat Ramp and Kayak Launch, U. S. Fish and Wildlife Service.**

Mr. Steven Trull, with the U. S. Fish and Wildlife Service (USFWS), presented the application to construct a public boat ramp and ADA accessible kayak launch on Biolab Road located on the Merritt Island National Wildlife Refuge (refuge), in Brevard County and is adjacent to NASA's Kennedy Space Center.

Mr. Trull stated that the ramp will consist of a 30-foot long, reinforced concrete slab and a ten-foot cast in place concrete apron that will tie into the existing gravel parking area. A five-foot wide dock is proposed and will be adjacent to the boat ramp. He stated that: the project includes an ADA accessible kayak launch, the facility charges a \$5.00 daily fee or a \$15.00 annual fee, the facility is used by over 1 million visitors annually, and an average of 300 boats launch at Biolab boat ramp per month.

Commissioner Sansom asked if the Biolab boat ramp use will be limited for commercial fishermen if the commercial fishing boat ramp is closed. Mr. Trull answered no.

Commissioner Sansom asked about the vandalism problem at the boat ramp. Mr. Trull indicated that the USFWS has requested additional law enforcement support.

**ITEM 10.2. Eau Gallie Dredging, Phase 2A, and Road Crossing Construction, St. Johns River Water Management District.**

Mr. William Tredik, with the St. Johns River Water Management District (SJRWMD), presented the Phase 2A application to construct the Dredged Material

Management Area (DMMA) site including pipeline sleeves at roadway crossings along the pipeline route.

Mr. Tredik noted that the Eau Gallie River is a tributary of the Indian River Lagoon located in Brevard County within the City of Melbourne. He stated it is estimated that 625,000 cubic yards of muck will be dredged. He stated that these muck deposits have become a public safety concern because they affect the navigability of the Eau Gallie River and contribute to shoaling in the Indian River Lagoon and the Intracoastal Waterway (IWW) Channel. He stated that this is a multi-year project and Phase I was funded by FIND in 2012. He noted that the State of Florida is contributing \$10 million to this high priority \$20 million project.

Commissioner Isiminger asked if Phase 2A is for the construction of the DMMA, Mr. Tredik answered yes. Commissioner Isiminger asked the current cost per cubic yard of material. Mr. Tredik answered \$30.00 to \$32.00 per cubic yard.

**ITEM 10.3. Clean Marina Program, Florida Department of Environmental Protection.**

Ms. Brenda W. Leonard, with the Florida Department of Environmental Protection (FDEP), presented the application to continue a proactive environmental approach for marine facilities and boaters along the Intracoastal Waterway. There are 129 marinas participating in the Florida Clean Marina Program within the District's 12 counties. There are 28,000 boaters who have signed a clean boating pledge and the outreach program distributes boater education and rewards, such as a bilge sock or a Coast Guard approved flotation device, for signing a clean boating pledge. This is a multi-agency managed, partnered, and funded program with the intended result to have a

cleaner waterway environment to sustain ecotourism for Florida and profitable marine facility operations.

**ITEM 10.4. Florida Clean Vessel Act Program, Florida Department of Environmental Protection.**

Ms. Brenda W. Leonard, with the Florida Department of Environmental Protection, presented the application for the District to participate again in the Florida Clean Vessel Act Grant Program (CVA). The CVA Program provides grants for the repair, renovation, or installation of new pumpout facilities for the proper handling and disposal of sewage generated by boaters. Since 1994, grants have funded 543 public pumpout stations in the twelve counties of the District and have collected millions of gallons of sewage generated by boaters. This program is also federally funded.

**ITEM 10.5. Hugh Taylor Birch State Park Boat Dock, Phase II, Florida Department of Environmental Protection.**

Ms. Mary Jean White, with the Florida Department of Environmental Protection (FDEP), Hugh Taylor Birch State Park, presented the Phase II application to construct a new seawall and floating day-use boat dock along the Intracoastal Waterway (IWW) at Hugh Taylor Birch State Park. Construction of the seawall will prevent sediment erosion from going into the IWW. This new seawall trail will allow the public to access the park from the water and become a public boater destination. Other elements of the project include an education center, interpretive kiosk, and a separate water taxi loading area.

Commissioner Dritenbas referred to the seawall and asked if an alternative shoreline stabilization has been considered. Ms. White stated that this park is heavily used by the public and a seawall is necessary to protect the IWW, the shoreline and boater activities.



Commissioner Chappell stated that this park is the number two visitor destination in the State of Florida, behind Disney World. This project is just the beginning of work and upgrades to be made to this facility. This project is being matched by public donations, local grants, and state legislative funding.

**ITEM 11. FY 2015-2016 Waterway Assistance Program Application Presentations.**

**ITEM 11.01. Floating Dinghy Docks at the Fort Pierce City Marina, City of Fort Pierce.**

Ms. Libby Woodruff and Mr. Dean Kubitschek, with the City of Fort Pierce, presented the application to design and construct two dinghy docks for transient boater use at the former power plant water intake site. These docks will provide additional boater dockage to all of the downtown facilities and local festival events.

Commissioner Dritenbas asked if the city has an anchorage area. Mr. Kubitschek stated that the City of Fort Pierce does not have a managed anchoring area, but does allow anchorage in unofficial locations. He stated that the current focus is on replacing facilities that were destroyed by 2004 Hurricane.

Commissioner Donaldson noted that there is a critical need for anchoring and transient dockage in the City of Fort Pierce and the District will be receiving applications in the future for those projects.

**ITEM 11.02. Canal Park Marine Unit Boat Lift and Dock, City of Port St. Lucie.**

Sargent Richard Schichtel, with the City of Port St. Lucie Police Department, presented the application to construct a boat lift and dock at the west end of the C-24 Canal Park. The location of the pier would provide quick and central access to the North

Fork of the St. Lucie River where a majority of marine law enforcement calls for service are generated.

**ITEM 11.03. Riverwalk Park North B, Phase II, City of Port Orange.**

Mr. Kent Donahue, with the City of Port Orange, presented the North B, Phase II application to stabilize the shoreline and construct a boardwalk and waterfront park within the City of Port Orange, Town Center Riverwalk. He stated that this public recreational area will include a waterfront park, scenic boardwalk, parking, and event open space area along the Halifax River.

**ITEM 11.04. Riverfront Park Esplanade, Phase I, City of Daytona Beach.**

Ms. Beth Lemke, for the City of Daytona Beach, presented the Phase I application to design and permit transient day docks, boardwalks, and a retaining wall at the City's Riverfront Park Esplanade Plaza. Manatee Island and City Island will be connected to this project providing extended waterfront destinations to the public.

Secretary McCabe noted that Item's 11.04 and 11.05 are projects that connect the esplanade, day docks, hiking path and all the other public waterfront amenities of these two parks. She stated that these projects have the full support of the community.

Commissioner Crowley asked if the park has a water taxi service. Ms. Lemke answered no and stated that the city is working to develop a Maritime Master Plan and water taxi service would be include in that plan.

**ITEM 11.05. Daytona Beach Day Docks, Phase I, City of Daytona Beach.**

Ms. Beth Lemke, for the City of Daytona Beach, presented the Phase I application to design and permit the construction of temporary docks north of the International

Speedway Boulevard Bridge. These new docks will provide free transient dockage providing boater's access to the Riverfront and downtown area.

Commissioner Crowley asked if these additional docks conflict with the Manatee Protection Plan. Ms. Lemke stated that these projects have been coordinated within the Riverfront Master Plan Revisions.

**ITEM 11.06. Veterans Memorial Park Kayak Launch, City of South Daytona.**

Ms. Jeanne Willard and Mr. Greg Bartholomew, with the City of South Daytona, presented the application to construct an 8-foot x 20-foot concrete floating dock, with a 4-foot x 40-foot aluminum gangway connecting to the dock at the existing seawall, and a kayak launch at South Daytona's Veterans Memorial Riverfront Park. This facility will replace a kayak launch that was destroyed during an unnamed storm in 2010. Other existing park amenities include a boat launch, fishing pier, playground, tennis courts, parking and restroom facilities.

Secretary McCabe noted that this is the only waterway facility in South Daytona and is a very busy park.

**ITEM 11.07. Shell Harbor Park, Phase I, Volusia County.**

Mr. Timothy Baylie, with Volusia County, presented the Phase I application to design and permit a public park, including improving an existing boat ramp on Lake George. The property was donated to the county by two private individuals. This project will provide public access to Lake George. The project will also add a pavilion, kayak launch, floating dock, an asphalt parking lot and restrooms.

Secretary McCabe stated that this project would not be possible if this beautiful property had not been donated by a private party.

**ITEM 11.08. Smyrna Dunes Park Fishing Pier, Volusia County.**

Mr. Joe Nolin, with Volusia County, presented the application to construct a 300 foot-long riverside public fishing pier along the IWW at the 185 acre Smyrna Dunes Park. This park has 8,640 feet of shoreline fronting three waterways including the IWW to the west and the Ponce de Leon Inlet to the north.

Commissioner Sansom asked if this park has boater access. Mr. Nolin answered no.

**Chair Blow called a recess of the Florida Inland Navigation District Board of Commissioners Meeting at 9:49 a.m.**

**Chair Blow reconvened the Florida Inland Navigation District Board of Commissioners Meeting at 10:08 a.m.**

**ITEM 11.09. Marineland Marina, PH 2B, Town of Marineland.**

Mr. Chris Kelley, with the Town of Marineland, presented the Phase 2B application to redevelop the Marineland Marina. He stated that Phase 2B will focus on dredging the marina basin and add 18 additional floating docks of various sizes.

Mr. Kelley stated that Phase A of this marina redevelopment was opened to the public on August 20, 2011 and included the construction of 24 slips of various sizes with a floating dock at the municipal marina. Phase B constructed 18 additional slips of various sizes, parking and bathrooms.

Mr. Kelley stated that the marina has been permitted for 85 slips and that both the Army Corps and Florida Department of Environmental Protection permits are still active.

Treasurer Netts asked if this application could become a multi-year funded project. Mr. Kelley answered yes.

**ITEM 11.10. Boater Improvements at Herschel King Park, Flagler County.**

Ms. Elizabeth Yates, with Flagler County presented the application to replace the existing wooden basin docks with an aluminum floating dock system and install additional floating docks on the south side of the basin to help relieve congestion caused with loading and unloading of vessels. Due to deficiencies in its original design, this dock is typically much higher than vessels, making it somewhat cumbersome to load and unload. A floating dock system would fluctuate with tidal water levels alleviating this issue. The new floating dock system will be 5' wide x 327' long (north side) and 5' wide x 215' long (south side) and will include four gangways. To promote and ensure boater safety, the county is proposing to install 12 new basin lights.

Ms. Yates stated that Herschel King Park is one of three public launch facilities owned by Flagler County which offer direct boater access to the Intracoastal Waterway. This popular facility lies along the western side of the IWW north State Road 100, just off Colbert Lane within the unincorporated area of Flagler County. Constructed in 2000, this ramp has two lanes with loading docks on each side, a restroom close to the ramp, fishing piers, picnic tables, a pavilion, playground and parking lot.

Secretary McCabe asked if changing from a fixed dock to a floating dock is what will alleviate the water level problem or was the launch location moved. Ms. Yates stated that it is the floating dock that fluctuates with the tide that alleviates the water problem.

General conversation regarding project maintenance took place.

Commissioner Williams noted that a future question for the grant applications could "include the estimated annual maintenance costs of the project".

**ITEM 11.11. Moody Boat Launch and Restroom, Flagler County.**

Ms. Elizabeth Yates, with Flagler County presented the application. Moody Boat Launch is one of three public launch facilities owned by Flagler County which offer direct boater access to the Intracoastal Waterway (IWW). This popular facility lies along the eastern side of the IWW south of State Road 100, within the City of Flagler Beach. Constructed in 1989/1990, this ramp has two lanes with loading docks on each side, a restroom close to the ramp, fishing piers, picnic tables and a parking lot. Flagler County has never dredged the boat launch basin and it is in need of dredging to provide smooth access to the IWW. During low tide boaters have approximately 1.5-feet to maneuver their vessels in and out of the basin. A professional marine contractor estimates that approximately 1,650 cubic yards of silt needs to be removed, hauled and disposed.

Due to the age and condition of the facility, the restroom and loading docks are in need of replacement. The county is proposing to install an aluminum floating dock system to replace the existing wooden loading docks and construct an ADA compliant restroom to replace the existing facility. To promote and ensure boater safety. The county is also proposing to install six basin light poles.

Commissioner Williams commented that the project dredging costs seem high.

**ITEM 11.12. Barge/Seaplane Ramp, Phase II, St. Johns County Airport Authority.**

Commissioner Sansom has filed a Conflict of Interest in this project and, in accordance with procedures, declared that he will not participate in the discussion or be eligible to vote on this issue. He completed Form 8B, Memorandum of Voting Conflict for County, Municipal, and Other Local Public Officers.

Mr. Andrew Holesko, for the St. Johns County Airport Authority, presented the Phase II application to construct repairs to the existing barge/sea plane ramp for loading/offloading operations. The sea plane ramp was constructed over 50 years ago and is in need of repairs. The project location is three miles from the St. Augustine Inlet and adjacent to the IWW. He stated that this facility is available to Northrup Grumman and other commercial users.

Commissioner Isiminger asked if this facility could be used by a marine contractor to load or offload a barge. Mr. Holesko answered yes and noted that the access can be coordinated with the airport.

**ITEM 11.13. Riberia Pointe Kayak Launch, Phase I, City of St. Augustine.**

Mr. Tim Fleming, with the City of St. Augustine, presented the Phase I application to permit, design and engineer for a public kayak launch and dock to be constructed in the Eddie Vickers Recreational Park. The kayak launch project will provide a new avenue of public access for recreational kayakers and canoers into the Maria Sanchez Creek which connects via the Matanzas River into the Atlantic Intracoastal Waterway (IWW). The 118-foot dock will be constructed of marine grade pressure treated lumber. The floating kayak platform will be composed of concrete modular sections, imbedded in expanded polystyrene with marine grade, pressure-treated wood framing. The floating platform will be secured with pre-stressed concrete piles and access to the platform will be provided by an aluminum gangway. There will be no fees associated with use of the kayak launch. This project will provide new and continued access for low impact recreational kayakers and canoers to the waters of Maria Sanchez Creek.

Chair Blow stated that the city has been working to provide public waterway access in this area and noted that this park is the perfect location for this project.

**ITEM 11.14. Dredging Salt Run Channel, Phase 6, City of St. Augustine.**

Mr. Tim Fleming, with the City of St. Augustine, presented the Phase 6 application to dredge 5,938 cubic yards of material to increase the 1.8-mile Salt Run channel depth from -5 to -10-feet, and increase the channel width to 80-feet. This waterway provides access to the City of St. Augustine, Anastasia State Park, a public boat ramp and mooring field, and the Conch House Marina. This section of the channel has never been dredged. All permits have been received.

Chair Blow stated that the city and county have prioritized projects and therefore Phases of this project have been submitted previously. The southern end of Salt Run has the only active public shell fishing area in St. Johns County. The flood shoal in the Intracoastal Waterway (IWW) at the St. Augustine Inlet has to be dredged every three to five years. Material from that dredging project is placed on the beaches at Anastasia State Park. The Salt Run Channel is the pipeline route to the park and dredging that channel will be a benefit to that project.

**ITEM 11.15. Dredging of San Sebastian River Channel, Phase IV, City of St. Augustine.**

Mr. Tim Fleming, with the City of St. Augustine, presented the Phase IV application of a multi-year project to dredge 9,063 cubic yards of material from the southern section of the San Sebastian River Channel within the City. This project will restore access to 14 marine facilities located along this section of the waterway an area that is considered a working waterfront. There is a marine supply and an oil company, the



homeland security small boat training school, a wholesale seafood business, and boatyards located on this river.

Mr. Fleming stated that the St. Johns County Port, Waterway and Beach District is a very small agency and only collects \$300,000 in yearly revenue. The Port District has funded the permitting for the Salt Run and San Sebastian dredging projects. Because of the lack of federal funding, the Port District has found it necessary to seek District funding assistance for the dredging portion of the project.

Chair Blow stated that the San Sebastian River is the only working waterfront in St. Johns County and the only area that boaters can stop for repairs in this area.

**Chair Blow called a recess of the Florida Inland Navigation District Board of Commissioners Meeting at 11:08 a.m.**

**Chair Blow reconvened the Florida Inland Navigation District Board of Commissioners Meeting at 11:18 a.m.**

**ITEM 11.37. Crandon Marina Boat Ramps, Phase II, Miami-Dade County.**

Ms. Joyce Denny, Mr. Tom Morgan, Ms. Kathy Haley, and Ms. Gina Drakes, with Miami-Dade County, presented the Phase II application to renovate 14 boat ramp lanes, repair the bulkhead wall, and the replace 144 vertical wood fenders at the Crandon Marina Boat Ramp. Ms. Denny stated that this 903-acre park includes 15 boat ramp lanes, vehicle/trailer and vehicle parking, fish cleaning stations, restrooms, and picnic areas. She stated that Crandon Park is the most popular park in Miami-Dade County.

Commissioner Crowley noted that the District has done multiple projects at this popular marina and has received a lot of great local press from Key Biscayne for the District's assistance and participation in this marina.

**ITEM 11.38. Matheson Hammock Marina Wet Slips Renovations, Miami-Dade County.**

Ms. Joyce Denny, Mr. Tom Morgan, Ms. Kathy Haley, and Ms. Gina Drakes, with Miami-Dade County, presented the application to replace all wood wet-slip frames, fenders and ladders with new frameless aluminum fender brackets, PVC fenders and aluminum ladders. Unsound concrete in the reinforced concrete bulkhead wall will be removed and replaced. There are 242 wet-slips located in both the six concrete floating docks and the three aluminum fixed docks.

Ms. Denny stated that this park and marina consists of 630 acres, 11 boat ramps, vehicle/trailer and vehicle parking, fish cleaning stations, restrooms, picnic areas, and walking trails.

Commissioner Crowley stated that this facility upgrade will bring this marina up to today's standards. He noted that Miami-Dade County is a great partner with FIND.

**ITEM 11.39. Matheson Hammock Marina Boat Ramp Renovations Phase II, Miami-Dade County.**

Ms. Joyce Denny, Mr. Tom Morgan, Ms. Kathy Haley, and Ms. Gina Drakes, with Miami-Dade County, presented the Phase II application to renovate 11 boat ramp lanes, remove all, existing 120 splitting and broken eight-inch square timber piles, and replace them with twelve-inch diameter marine grade composite lumber piles. The project will: replace all the fenders and frames on six boarding docks; remove and replace all unsound concrete in the docks; resurface and restripe 4,792 square yards of raveling asphalt in the north parking lot; fill holes in the existing bulkhead wall; install filter fabric and repave missing fill in the bulkhead wall; and construct a new bulkhead wall

abutting the waterside of the existing bulkhead at Matheson Hammock Park. Ms. Denny stated that this park and marina consists of 630 acres.

Commissioner Isiminger asked about the county's experience with composite piles. Mr. Morgan noted that composite fiberglass pilings were installed at the Pelican Marina.

**ITEM 11.40. Crandon Marina Floating Dock Renovations, Miami-Dade County.**

Ms. Joyce Denny, Mr. Tom Morgan, Ms. Kathy Haley, and Ms. Gina Drakes, with Miami-Dade County, presented the application to replace existing rusted steel tie rods, fender bolts, two of the eight floating docks and restore three floatation pontoons at the heavily used Crandon Marina.

Chair Blow asked how long the galvanized tie rods will last. Ms. Denny answered 25 years. Chair Blow stated that he believes that the galvanized tie rods will only last five years. Ms. Denny noted that with this new system, individual components can be replaced as necessary.

**ITEM 11.41. Homestead Bayfront Marina Wet-Slip Renovations, Miami-Dade County.**

Ms. Joyce Denny, Mr. Tom Morgan, Ms. Kathy Haley, and Ms. Gina Drakes, with Miami-Dade County, presented the application to replace all existing wood wet-slip frames, fenders and ladders with new frameless aluminum fender brackets, PVC fenders and aluminum ladders. Unsound concrete and the reinforced concrete bulkhead wall will be removed and replaced. There are 171 wet-slips located in five docks.

Commissioner Isiminger commented that retractable ladders are not as safe as full ladders. He suggested that some long ladders be added for safety in the event someone falls.

Commissioner Crowley noted that the Miami-Dade County Parks Department is very boater and public waterway access friendly. The county is currently working to secure their share of funding for a Waterway Master Plan through the District's program.

**ITEM 11.17. Mooring Field Improvement, PH II, City of Fernandina Beach.**

Mr. Springer presented the following three applications as one presentation. Comments are at the end.

Mr. Joe Springer, with the City of Fernandina Beach, presented the Phase II application to construct an additional 79 mooring devices to the existing mooring field at the Fernandina Harbor Marina. He noted that if the city designs the mooring field specific to boat sizes, they could increase or decrease capacity. He stated that upon completion this mooring field. The city will have a capacity for approximately 100 vessels and provide a safe and secure mooring field for both transient and local boaters.

**ITEM 11.18. Breakwater Dock Improvements, Phase II, City of Fernandina Beach.**

Mr. Joe Springer, with the City of Fernandina Beach, presented the Phase II application to improve the outside breakwater dock of the Fernandina Harbor Marina and to reinforce the floating docks to withstand heavier vessels. He stated that the outside breakwater dock is primarily used by local and transient boaters traveling up and down Florida's Atlantic Intracoastal Waterway (AIWW). He stated that this project will reinforce the dock, increase available power, and provide safety to boaters using the facility.

**ITEM 11.16. Dock 6 Fire Safety Enhancements, City of Fernandina Beach.**

Mr. Joe Springer, with the City of Fernandina Beach, presented the application to remove and upgrade existing fire supply lines and stand pipes for Dock 6. Dock 6 is the only remaining dock that does not have HDPE pipes and fire safety system.

Mr. Springer stated that this marina is owned by the City of Fernandina Beach and provides slips on a first come, first serve basis. He stated that the marina provides transient public dockage, within a protected breakwater, to vessels from 35 to 225-feet in length.

Treasurer Netts noted that pile replacement seems like a maintenance item. Mr. Springer stated that the city has repaired and maintained the piles, but the installation of new piles will accommodate larger vessels and upgrade the marina.

Commissioner Williams noted that because of the current in the mooring field, the mooring balls have a swing radius with tethers to reduce the swing area from 65-feet to 35-feet.

Treasurer Netts asked the size of the star dock pile. Mr. Springer answered that it is a 30-inch pile.

**Chair Blow called a recess of the Florida Inland Navigation District Board of Commissioners Meeting at 12:16 p.m.**

**Chair Blow reconvened the Florida Inland Navigation District Board of Commissioners Meeting at 1:17 p.m.**

**ITEM 11.19. Surfside Seawall Replacement, Part II, Town of Surfside.**

Mr. David Frodsham, for the Town of Surfside, presented the Part II application to replace five separate seawalls. He stated that these seawalls are over 50-years old and

are failing. He stated that the engineering, design, and permitting application has been completed by the town.

Mr. Frodsham stated that four seawalls are located at street ends with small, green area parks that are located on the Intracoastal Waterway (IWW).

Mr. Frodsham stated that the town is proposing to construct new pile and panel seawalls with rip-rap in front of each wall at each of these four locations. He stated that the seawall will be installed a maximum of one-foot in front of the existing wall and supported with batter piles and a concrete cap.

Commissioner Isiminger asked about the town's desire to put up signs at these street ends indicating no public access. Mr. Frodsham stated that the town is adopting these areas as parks for passive use and waterfront viewing. The no access signs will be removed and park benches will be installed.

Commissioner Crowley stated that the City of Miami Beach has developed two parks at the end of 10<sup>th</sup> Street and Lincoln Road. These two parks are located on Key Biscayne and are publically accessible with benches and other amenities. He stated that there is no issue with the right-of-way. He suggested the Town of Surfside look at the City of Miami Beach's projects.

**ITEM 11.20. Miami Marina Park Wet Slips and Mooring Field, Phase I, City of Miami.**

Mr. Stephen Bogner, with the City of Miami, presented the Phase I application to design, engineer and permit the construction of 150 wet slips marina and 75 moorings in the mooring field at the Marine Stadium basin.

Mr. Bogner stated that the Marine Stadium basin does not currently have any boating infrastructure for a mooring field and wet slips. This area is adjacent to the Intracoastal Waterway (IWW) and offers direct access to Biscayne Bay.

Commissioner Crowley noted that the reconstruction of the Miami Marine Stadium has been delayed. The city granted a non-profit agency a two-year redevelopment plan, and for a variety of reasons it did not work out. The city is currently putting together a Request for Proposals for a firm to take over the redevelopment of this stadium. He noted that this project is related to the stadium. But it is distinct and warranted to move forward at this time. He noted that this is a great location for a managed mooring field.

**ITEM 11.21. Pallot Park Seawall, Baywalk and Kayak Launch, Phase II, City of Miami.**

Mr. Bob Weinrib, with the City of Miami, presented the Phase II application to install a 400 foot concrete sheet pile bulkhead and concrete cap, and relocate existing rip-rap to the face of the new bulkhead to stabilize the eroding shoreline. The project will also include construction of a 12-foot by 18-foot kayak ramp and a 10-foot wide baywalk along the shoreline. He stated that the current shoreline is undefined, eroded, and has become a trap for debris.

Commissioner Crowley stated that this project is located at the most northern extent of the Downtown Baywalk project.

**ITEM 11.22. Baywood Park Seawall, Phase I, City of Miami.**

Mr. Bob Weinrib, with the City of Miami, presented the Phase I application to design and permit the repair/replacement of a 750 linear-foot seawall. Baywood Park is

a two-acre facility, located on Biscayne Bay, near mid-town Miami, and is just north of Pallo Park. The existing seawall is more than 30 years old and in a state of advanced deterioration.

Commissioner Sansom asked if there are plans to provide water access at this park.

Commissioner Crowley noted that rehabilitating this seawall will not allow this park to reach its full potential, and future plans will include water access.

**ITEM 11.23. Seybold Canal and Wagner Creek Dredging, Environmental Cleanup, Phase E City of Miami.**

Mr. Bob Weinrib, with the City of Miami, presented the Phase E application to dredge contaminated sediments from the waterway to improve the natural environment. A waste incinerator polluted the area many years ago and the material will have to be disposed of at a site in Alabama, the only location that will take that type of material. In addition, the project will improve flood water conveyance capacity from the large storm water system draining into the Seybold Canal and Wagner Creek. This canal is a tributary to the Miami-River. He noted that additionally, this waterway is heavily used for boating and the dredging project will improve conditions for boater safety and the local marine businesses along the creek.

Commissioner Sansom noted that Wagner Creek is a very important commercial use waterway.

**ITEM 11.24. Baywalk Southside FEC Slip, Phase II, City of Miami.**

Mr. Bob Weinrib, with the City of Miami, presented the Phase II application to construct a 1,200-foot Baywalk on the south side of the FEC slip connecting north to



Museum Park and south to Parcel B, Baywalk. This Baywalk will connect the last remaining portion of the waterfront of a continuous public Baywalk that will provide access to the downtown waterfront in Bicentennial and Museum Parks. This project will also include the installation of lighting, landscape, benches and trash receptacles.

Commissioner Sansom asked if the District has assisted in all of the various Baywalk upgrades. Commissioner Crowley answered yes and noted that the Baywalk Seawall has been updated and replaced by the City of Miami and FIND from Core Boulevard to I-395.

Commissioner Crowley noted that one of the issues that Mark and Janet have helped him with is Parcel B and its connection to the south side of the slip. The county put a chain link fence to prohibit access between Parcel B and the FEC Slip at Baywalk. Commissioner Crowley sent the county a letter in 2008 stating that the installation of the chain link fence is improper because it limits public access to a District-funded project. The county did not address the problem. He stated that after an inspection, it was noted that the county did not install any signs acknowledging the District's funding assistance with the project. He had informed the county informed that the problems must be fixed, or the county must refund the District's project funding. He stated that the county fixed the problem and are now coming forward requesting funding for this section of the project.

**ITEM 11.25. Spring Garden Park Seawall and Kayak Launch, Phase I, City of Miami.**

Mr. Bob Weinrib, with the City of Miami, presented the Phase I application to design and permit construction of a 950-foot seawall repair/replacement, and analysis of

the existing riprap and kayak launch. Spring Garden Park is located along the Seybold Canal which intersects the Miami River and provides direct access to Biscayne Bay and the Intracoastal Waterway (IWW).

**ITEM 11.26. Derelict Vessel Removal, City of Miami.**

Mr. Stephen Bogner, with the City of Miami, presented the application to remove 35 derelict, sunken, and abandoned vessels in city waters utilizing a license, insured, and qualified marine contractor that will be hired through a bid process. The vessels have been identified, cited and tagged for removal by law enforcement agencies.

Mr. Bogner stated that derelict vessels pose a threat to safe navigation and the environment. With tidal shifts and strong storms, these boats can continue moving along the bay bottom, damaging delicate ecosystems and positioning them to become hazards to boaters.

Mr. Crosley stated that this is a great example of how to maximize funding for derelict removal in addition to the District's Small-Scale Derelict Vessel Removal Program. In Miami, the county applies for the District's Small-Scale Derelict Vessel Removal Program funding, and the city applies through the assistance program.

Commissioner Sansom suggested that the city and county declare boat disposal amnesty day, a day where boat owners can bring their boats for disposal at the landfill for free or a small fee.

**ITEM 11.27. Miamarina Upgrade of Electrical System, Phase II, City of Miami.**

Mr. Stephen Bogner, with the City of Miami, presented the application to update the electrical service to 87 current marina slips by installing new wiring, hardware, utility pedestals, and transformers. The existing deteriorated electrical service is 20 years old

and is insufficient to meet current requirements of marina customers. This marina is located on the Atlantic Intracoastal Waterway (AIWW).

Commissioner Sansom asked if the electrical is metered. Mr. Bogner stated that the electrical cost is incorporated into the dockage charge. Commissioner Sansom suggested a pedestal with an electric meter at each slip.

**ITEM 11.28. Miami Marine Stadium, Baywalk, Phase II, City of Miami.**

Mr. Bob Weinrib with the City of Miami, presented the Phase II application to rebuild and create new segments of the Miami Marine Stadium Baywalk at Virginia Key. He stated that this project will connect the Marine Park Baywalk to other public Baywalks in adjacent public waterfront parks and increase public recreation and boating waterway access. The facility is located less than a mile from the Intracoastal Waterway (IWW).

Commissioner Crowley noted that the Miami Boat Show will be relocating to the Miami Marine Stadium Baywalk at Virginia Key, and this project will help bring the public to this area along with the boat show.

**ITEM 11.29. Morningside Park Seawall and Kayak Launch, Phase I, City of Miami.**

Mr. Bob Weinrib, with the City of Miami, presented the Phase I application to design and permit the reinforcement and stabilization of approximately 1,600 linear-feet of shoreline and boat ramp area riprap. This 32.5 acre facility is located in midtown Miami, with 2,200-feet of shoreline along Biscayne Bay near the Intracoastal Waterway (IWW).

Commissioner Dritenbas asked about the \$8.00 per day parking fee. Mr. Weinrib stated that the park has a full time attendant to collect the daily parking fee.

**ITEM 11.30. Dinner Key Marina Pumpout Upgrade, Phase II, City of Miami.**

Mr. Stephen Bogner, with the City of Miami, presented the Phase II application to install a new pumpout system with a new 426-foot PVC piping system and valve hydrants to increase waste removal efficiency to boaters at the Diner Key Marina.

Mr. Bogner stated that the Dinner Key Marina has 582 wet slips and is the largest wet slip marina in Florida. This marina is located 2.5 miles from the Intracoastal Waterway (IWW). This new system will service marina and transient vessels.

Commissioner Sansom asked if there will be an assistant to help with the pump-out service. Mr. Bogner stated that each hydrant will connect to a 75-foot hose caddy with use instructions.

**ITEM 11.31. Alice Wainwright Park Seawall and Baywalk, Phase I, City of Miami.**

Mr. Bob Weinrib with the City of Miami, presented the Phase I application to design and permit the repair or replacement of the current 900-foot seawall and Baywalk at Alice Wainwright Park. The project will also include extending the seawall with a pedestrian and cycling thoroughfare accessing the Rickenbacker Causeway west of the park and connect the two areas. If the two parks can be connected, the project will increase the rate of public access and utilization of the area.

**ITEM 11.32. Bayside Wharf at Miamarina, Phase I, City of Miami.**

Mr. Stephen Bogner, with the City of Miami, presented the Phase I application to engineer, access, design and permit improvements necessary to improve a 120 foot-long pier and 2,000 square feet of upland to build a substantial wharf. This structure will

accommodate commercial fisherman and upland business. The new Baywalk and parking improvements will serve the public and commercial fishermen. This marina is located on the Intracoastal Waterway (IWW).

Commissioner Crowley noted that this marina is a critical link in the downtown Baywalk area. This marina is in need of these upgrades and is the only facility in the area that is in such disrepair. He is going to work with the city to determine the best way to improve this working waterfront and enhance the maritime use of this facility.

**ITEM 11.33. Legion Park Seawall and Boat Ramp, Phase I, City of Miami.**

Mr. Bob Weinrib, with the City of Miami, presented the Phase I application to design and permit the reinforcement and stabilization of approximately 950 linear-feet of shoreline and boat ramp area riprap.

Commissioner Isiminger complimented Mr. Weinrib and Mr. Bogner for presenting a great group of applications.

**ITEM 11.35. Maurice Gibb Memorial Park, Dock and Launch, Phase I, City of Miami Beach.**

Ms. Judy Hoanshelt, with the City of Miami Beach, presented the Phase I application to permit and design a floating dock for the launching of non-motorized marine vessels such as kayaks, canoes, and paddle boards at the 3.4 acre Maurice Gibb Memorial Park, Dock and Launch. The project will also improve the existing shoreline and provide access to Biscayne Bay and the Intracoastal Waterway (IWW).

Commissioner Dritenbas noted that today's kayaks may have a small electric motor to help the kayaker get home. The terminology should say "non-combustion" instead of non-motorized.

Commissioner Sansom noted that this park is an ideal location for dinghys to tie up to for access to Miami Beach restaurants. He suggested that the city consider allowing that use.

Commissioner Crowley suggested the facility be classified as a non-combustion launch.

**Chair Blow called a recess of the Florida Inland Navigation District Board of Commissioners Meeting at 3:35 p.m.**

**Chair Blow reconvened the Florida Inland Navigation District Board of Commissioners Meeting at 3:47 p.m.**

**ITEM 11.34. Baywalk Plaza, Phase IIA, City of North Bay Village.**

Mr. Rodney Carreri-Santana and Ms. LaKeesha Morris, with the City of North Bay Village, presented the Phase IIA application to construct two plaza areas at the base of the bridge that links North Bay Village to Miami Beach. These plazas will offer almost one mile of connected public access to the IWW, Biscayne Bay, and will serve as a gathering location on the Village Baywalk. Other project elements include: outlook areas for public viewing or fishing; installation of native landscaping; several shade structures; lighting; and seating.

Secretary McCabe noted that the application states that when the Baywalk is completed, it will link visitors to boat docks. She asked about the location of those docks. Ms. Morris stated that these boat docks are being developed, and eventually they will link all the way around the plaza area.

Commissioner Donaldson asked if the city is LAP Certified. Ms. Morris answered not yet. Commissioner Donaldson suggested that the city contact the county about coordinating the project with them because the county is already LAP Certified.

Commissioner Crowley stated that North Bay Village is the central point of the north Biscayne Bay area. It is closer to Haulover than Government Cut and is located in the middle of the North Central area of Biscayne Bay. The north part of the east island is the activity node of this area. The City Manager now knows how the District's programs can help change and improve the city. This project will link the high-density residential condominiums with all of the commercial amenities on the north end of the island. This location does need slip installations to draw boaters to the area. The project will be completed in phases and he feels the Phase IIB will be the most important component of this overall project.

**ITEM 11.36. Indian Creek Shoreline and Greenway, Phase I, City of Miami Beach.**

This application was withdrawn.

**ITEM 12. Public Comments.**

Chair Blow asked if there were any public comments. There were none.

**ITEM 13. Staff Comments.**

Mr. Crosley stated that \$700,000.00 in Federal Funding has been appropriated for the Intracoastal Waterway (IWW). He stated that there is also funding in the Small, Remote or Subsistence Navigation budget potentially available to the IWW. Mr. Davenport is working hard on the Board's request to have language included in the reauthorized Magnuson Stevens Act. The Bill moved forward without any language changes and then died. Mr. Davenport contacted Mr. Crosley yesterday and indicated that perhaps the language could be included in a U. S. Coast Guard Bill.

Mr. Crosley stated that the Atlantic Intracoastal Waterway Association will hold their National Conference in Jacksonville, Florida in November of 2015. Mr. Pickel will

be attending the District's July Board meeting and will provide additional information at that time.

Mr. Crosley stated that the Board needs to decide if it is time to do an Auditor RFQ. He stated that the current auditor has been working with the District for six years and is doing a great job. The law states that the same firm can be retained but we cannot have the same principal in charge of the audit.

Commissioner Isiminger stated that he received an e-mail from Tori White, with the USACE stating that the General Council is reviewing the National Marine Fisheries Service's Regional General Permit comments and will need an additional six weeks for the review.

Commissioner Sansom noted that there is proposed Legislation regarding travel and hotel costs. Mr. Crosley noted that the District's council is tracking that legislation and he noted that most of the items the District is already doing.

Mr. Crosley noted that Lynette Self is no longer able to serve as a Commissioner. Two people have submitted applications for the Governor's review.

**Chair Blow called a recess of the Florida Inland Navigation District Board of Commissioners Meeting at 4:31 p.m.**



**SYNOPSIS OF MINUTES OF THE  
FLORIDA INLAND NAVIGATION DISTRICT**

**8:00 a.m., Saturday, June 20, 2015**

**Board of Commissioners Meeting**

**Hilton Cocoa Beach Oceanfront**

**1505 North Atlantic Avenue (S.R. AIA)**

**Cocoa Beach, Brevard County, Florida 32931-3268**

**ITEM 1-B. Call to Order.**

Chair Blow called the meeting to order at 8:06 a.m.

**ITEM 2-B. Pledge of Allegiance.**

Commissioner Sansom led the pledge of allegiance to the flag of the United States of America.

**ITEM 3-B. Roll Call.**

Secretary McCabe called the roll and, Chair Blow, Vice-Chair Cuozzo, Treasurer Netts, Commissioner Chappell, Commissioner Crowley, Commissioner Donaldson, Commissioner Dritenbas, Commissioner Isiminger, Commissioner Sansom, and Commissioner Williams were present. Secretary McCabe stated that a quorum was present. Also in attendance were Executive Director Mark Crosley, Assistant Executive Director Janet Zimmerman, and Attorney Peter Breton. Commissioner Self was absent.

The following visitors were present: Raj Verma, City of Cocoa Beach; John Pekar, City of Cape Canaveral; Terry Stoms, Brevard County; Sueann Thomaston, City of Melbourne; Joe Griffin, City of Sebastian; Donald H. Dexter, Jr., City of Vero Beach; Beth Powell, Indian River County; Roland DeBlois, Indian River County; Kevin Landry,

Martin County; Kevin Freeman, Martin County; Tim Voelker, City of Stuart; Jennifer Bistyga, City of Boca Raton; Eric Call and Jean Matthews, Palm Beach County Parks; Rob Robbins and Dan Bates, Palm Beach County; John Sprague, City of Riviera Beach; Lillian Tomeu, City of Belle Glade; Kris Mory, City of Deerfield Beach; Horacio Danovich; City of Pompano Beach; Sergeant Todd Mills, City of Fort Lauderdale; Lee Feldman, City of Fort Lauderdale; Jonathan Luscomb, City of Fort Lauderdale; Doug Layton, City of Atlantic Beach; and Brian Burket, City of Jacksonville.

**ITEM 4-B. Additions or Deletions.**

Chair Blow asked if there were any additions or deletions to the agenda.

Ms. Zimmerman stated that the application for Item 11.58, Pahokee Marina Breakwater System has been withdrawn.

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

Mr. Crosley stated that the Indian River Reach I dredging project is in the demobilization stage. A local news reporter has requested a visit to DMMA IR-2 and that visit will be coordinated with the U. S. Army Corps of Engineers (USACE) for next week.

Chair Blow noted that DMMA IR-2 is an active construction site under the control of the USACE and is a steel-toe boot and hard-hat area. No one can enter or visit the site without USACE clearance and approval.

Mr. Crosley stated that the Broward Deepening Project has been advertised for contractor bids.

**ITEM 11.-Continued.**      **FY 2015-2016 Waterways Program Application Presentations.**

**ITEM 11.42.** **200 Channel Dredging, City of Cocoa Beach.**

Mr. Raj Verma, for the City of Cocoa Beach, presented the application to dredge the 200 Channel which is a conduit for large boating traffic to and from the Banana River Main Channel. The 200 Channel provides access to two public boat ramps, one to the north and one to the south. This multi-year project began in 2011 with the design and engineering and later, construction of a Dredged Material Management Area (DMMA.)

Commissioner Sansom noted that the county will be requesting use of the DMMA for their Banana River Muck Removal project. This DMMA has become more valuable because of the State's muck removal program.

Mr. Verma stated that the current capacity of the DMMA is 65,000 cubic yards of material and with dike modifications, the site could hold an additional 50,000 cubic yards of material. They are expecting the 200 Channel dredging project will generate approximately 30,000 cubic yards of material.

**ITEM 11.43.** **Banana River Park, City of Cape Canaveral.**

Mr. John Pekar, with the City of Cape Canaveral, presented the application to improve and construct the canoe/kayak dock, perform related mitigation and expand the launch parking lot. He stated that the five-acre Banana River Park is the only public site allowing access to the south side of the Indian River Lagoon in the City of Cape Canaveral. Other project elements include related mitigation, an expanded shoreline coquina trail and parking lot improvements.

Commissioner Sansom noted that this application was presented last year but some of the project elements were removed because the St. Johns River Water Management District required mitigation for the kayak launch.

**ITEM 11.44. POW/MIA Park Channel Dredging, Phase II, Brevard County.**

Mr. Terry Stoms, with Brevard County, presented the Phase II application to dredge an access channel at POW/MIA Park, which is located on the Indian River Lagoon. This park has a two-lane boat ramp facility with a loading dock, parking for 42 cars and 37 boat/trailers, a restroom, and community building. The proposed dredging project will excavate and mark a 25 foot-wide channel from the existing ramp out to the first Manatee Zone sign near the Intracoastal Waterway (IWW) with a controlling depth of five feet, install channel markers, renovate the boat dock and create a boater staging area. This is an important project because in this area of the county there is a wide gap between boat launching facilities. The only other boat launch in this area is 11 miles away. This is a heavily used public park that is also used by emergency personnel for training and rescue.

Commissioner Sansom noted that the entire POW/MIA Park and Boat Ramp facility is located on a Florida Department of Transportation (FDOT) Right-of-Way. This was the first project through a Memorandum of Understanding (MOU) and the FDOT to allow the use of a Right-of-Way for public recreation.

**ITEM 11.45. Marina Towers Seawall and Boat Ramp, City of Melbourne.**

Ms. Sueann Thomaston, with the City of Melbourne, presented the application to design and reconstruct the seawall and boat ramp and restore stability to the shoreline at the property known as Marina Towers. This 4.37 acre site has 500 linear feet of direct

waterfront, as well as the submerged land leases, and is located along the Indian River Lagoon in the heart of Melbourne.

Ms. Thomaston stated that this property was previously privately owned and utilized as a marina with dry storage and a restaurant. FIND helped fund the purchase of this property last year and she noted that the property will provide public access to the waterway.

Commissioner Isiminger asked if the facility has existing or proposed car/boat trailer parking. Ms. Thomaston stated that the existing parking is unmarked and shared by Marina Towers. Once the boat ramp has been completed, a sign designating car/boat trailer parking will be installed.

Commissioner Sansom stated that the city has recovered and purchased this property from a private corporation, with help from FIND, for public waterfront use. He stated that long-term plans are to develop the site into a significant public marina and boating facility.

**ITEM 11.46. Sebastian Working Waterfront Park, Phase 2A, City of Sebastian.**

Mr. Joe Griffin, with the City of Sebastian, presented the Phase 2A application to construct an outdoor marine touch pool, public restrooms, a fish ice-house, and an observation sidewalk.

Mr. Griffin stated that this dock will provide commercial fishermen a place to offload and prepare their catch. This site is close to the Intracoastal Waterway (IWW) and the Sebastian Inlet and will provide public access to the working waterfront for educational and retail purposes.

Mr. Griffin stated that because this project is part of a Community Redevelopment project, the city received a grant from the State of Florida to purchase the two parcels allowing the redevelopment of a historic working waterfront. Fisherman's Landing Sebastian, Inc., which is the local fishermen's cooperative that uses the waterfront, has also provided funding for this project.

**ITEM 11.47. Fishing Pier at Riverside Park, Phase I, City of Vero Beach.**

Mr. Donald H. Dexter, Jr., with the City of Vero Beach, presented the Phase I application to construct a fishing pier at Riverside Park in Vero Beach. Riverside Park is owned by the city and provides picnic shelters, a boat ramp with parking for 26 boat-trailers, volleyball court, tennis facilities and exercise trails.

Mr. Dexter stated that this is a public/private project with a group of citizens who wanted to erect a memorial to a young boy, Cole Coppola who loved to fish. The "Live Like Cole" Foundation honors Cole's philosophy of always helping where help is needed and lifting those up around him by encouraging self-worth and importance. This foundation is contributing to the cost to build a fishing pier as a memorial to Cole.

Commissioner Dritenbas stated that this is the largest park in the City of Vero Beach and this project will provide water access to an area that does not have water access. Cole was a wonderful young man and this project will memorialize him with a fishing pier. The project has tremendous support from the citizens.

**ITEM 11.48. Restroom at MacWilliam Boat Ramps, Phase II, Restoration, City of Vero Beach.**

Commissioner Dritenbas has declared a Conflict of Interest in this project and in accordance with procedures indicated that he will not participate in the discussion or be

eligible to vote on this issue. He completed Form 8B, Memorandum of Voting Conflict for County, Municipal, and Other Local Public Officers.

Mr. Donald H. Dexter, Jr., with the City of Vero Beach, presented the Phase II application to construct restrooms at the east end of MacWilliam Park and convert the restroom at the ball field from septic tank to city sewer. He stated that the Florida Department of Environmental Protection (FDEP) is interested in doing a pilot project with the ball field restrooms with the installation of a hybrid system that can be converted from the city sewer to septic tank during power outages. He stated that this facility is located approximately 400 yards from the city boat ramp. He stated that the facility has five boat ramps with adequate parking.

Commissioner Sansom commented that if the facility is hooking up to the city sewer system, why is the septic tank still necessary. Commissioner Donaldson stated that this is a new Septic Tank Effluent Pump System (STEP system) that consists of a septic tank with a pump grinder for solids retention. Solids removal is done on an annual basis by the city. This system eliminates the chance for septic effluent to leach into the IWW because there is no septic tank drain field. This new STEP system requires less equipment than a public lift station and is a cost effective system.

**ITEM 11.49. Round Island Riverside Park Improvements, Indian River County.**

Ms. Beth Powell, with Indian River County, presented the application to replace and update the existing 380 foot-long fishing/observation boardwalk and day visitor area. This is one of the most popular boat ramps in the county. The county recently repaired and updated the boat ramp, crossover bridge and boardwalk.

Commissioner Dritenbas noted that this is a popular boat ramp park and is located in the southern area of the county, just before the St. Lucie County line. This is a much need update and repair project. He stated that this is a popular launch for kayak outfitters and he noted that boaters and kayakers do not get along very well. He is hopeful that next year the kayak area could be moved to the north of the boat launch area.

Commissioner Dritenbas noted that the facility is a great launch area, but the channel to the IWW is shoaled in and in need of dredging.

Commissioner Donaldson stated that 22 years ago, he was working for Indian River County and worked on this project. He stated that this facility was built with heavily treated wood and was built to last. The harsh saltwater environment has taken its toll on this facility and the facility is in need of replacement and updates.

**ITEM 11.50. Archie Smith Fish House, PH IIA, Restoration, Indian River County.**

Mr. Roland DeBlois, with Indian River County, presented the application to restore and construct the main dock, add a floating dock for kayak use, restore four boat slips, and preserve a historic rail trolley feature of that dock. The Archie Smith Historic Fish House is located on the west shore of the Indian River Lagoon at the northern end of the City of Sebastian's Riverfront District on 1.5 acres of land.

Commissioner Dritenbas stated that this fish house is located in a historic section of the Sebastian River. An architectural master plan has been developed for this project that will be completed in phases over multiple years.

**ITEM 11.51. Phipps Park Shoreline Stabilization and Access, Martin County.**

Mr. Kevin Landry, with Martin County, presented the application to stabilize the shoreline and construct a boat dock/fishing pier at the 55-acre Phipps Park, an existing



RV campground. This facility is located on the St. Lucie Canal with direct boater access to the Intracoastal Waterway (IWW) and the Okeechobee Waterway (OWW). The boat dock will allow campers to leave their vessel in the water while using the campground.

Mr. Landry noted that the shoreline of this park is full of exotic vegetation and is eroding very badly. The U.S. Army Corps of Engineers (USACE) St. Lucie Lock is next to this facility and he referenced their shoreline stabilization. He stated that the county will stabilize this shoreline in a similar way and provide waterway access for fishing and viewing.

Vice-Chair Cuozzo noted that this is the only RV campground in the Martin County Parks system.

**ITEM 11.52. Charlie Leighton Park Accessible Floating Dock, Martin County.**

Mr. Kevin Freeman, with Martin County, presented the application to construct a floating dock and kayak/paddle board launch at Charlie Leighton Park. This project will provide opportunities for both active and passive recreational uses and enhance public access to the waterfront. He noted that this section of the Intracoastal Waterway (IWW) is attractive to rowing clubs from all over the county.

Vice-Chair Cuozzo noted that the Harvard Rowing Club uses this facility for training. He has received the most telephone calls about this project, more than any other project, since he has been a FIND Commissioner.

**ITEM 11.53. Shepard Park Improvements, City of Stuart.**

Mr. Tim Voelker, with the City of Stuart, presented the application to construct: a new seawall; floating dock; add an additional six vehicle/boat trailer parking; restroom

facility; and two environmental education classrooms/pavilions at the 4.5-acre Shepard Park.

Vice-Chair Cuzzo stated that there is a managed mooring field just off of this park and this new seawall and floating dock will provide safe boater access to downtown Stuart.

**Chair Blow called a recess of the Florida Inland Navigation District Board of Commissioners Meeting at 10:01 a.m.**

**Chair Blow reconvened the Florida Inland Navigation District Board of Commissioners Meeting at 10:13 a.m.**

**ITEM 11.54. Hillsboro Canal Maintenance Dredging Project, PH II, City of Boca Raton.**

Ms. Jennifer Bistyga, for the City of Boca Raton, presented the Phase II application to perform 1,240 feet of maintenance dredging of the Hillsboro Canal from the Intracoastal Waterway (IWW) to the Dixie Highway Bridge. 13,400 cubic yards of sandy material will be removed from the canal.

Ms. Bistyga stated that the Hillsboro Canal is a major canal system that provides stormwater conveyance and flood protection, access to three commercial marina facilities, one boat ramp, and navigation for boaters to the Intracoastal Waterway (IWW). Currently, the waterway channel is badly shoaled and not well marked.

Ms. Bistyga stated that this is a joint City of Boca Raton and City of Deerfield Beach project.

Commissioner Isiminger stated that this is a heavily used waterbody and a much needed project.

**ITEM 11.55. Bert Winters Park, Phase IIA, Palm Beach County.**

Mr. Eric Call and Ms. Jean Matthews, for Palm Beach County Parks and Recreation, presented the Phase IIA application to expand the boat launching facilities at the 16.5-acre waterfront Bert Winters Park.

Mr. Call stated that the proposed project includes the renovation of the boat ramps and existing parking facility. A private developer has provided 1.5-acres of land that will be used to reconfigure the 24 existing car/trailer parking, and add an additional 45 car/boat trailer parking spaces with a second site entrance. Park amenities include staging docks, picnic shelters, ball fields, tennis courts, restrooms, and site lighting.

Commissioner Sansom stated that it is great that the county is updating these heavily used facilities to the highest and best use for waterfront parks.

**ITEM 11.56. Burt Reynolds Park, West Side Design, Phase II, Palm Beach County Parks and Recreation Department.**

Mr. Eric Call and Mr. Jean Matthews, with the Palm Beach County Parks and Recreation Department, presented the Phase II application to renovate and expand of the boat launching facilities on the west side of Burt Reynolds Park. Future plans for this park include removal of the existing chamber building, reconfiguration of the existing parking to provide 22 new paved car/trailer parking spaces with 10 new grass car/trailer parking spaces, and construction of a new restroom and pavilion.

Mr. Call stated that the county partnered with the Florida Department of Transportation (FDOT) during the rebuilding the US Highway 1 bridge adjacent to Burt Reynolds Park to construct a pathway underneath the bridge adjacent to the boat ramps. This pathway will provide pedestrians access between the east and west sides of the park, eliminating the need for people to cross US Highway 1 at road grade.

Commissioner Isiminger stated that this is an extremely highly used boat ramp and is also heavily used by commercial fishermen. He noted that it is dangerous to cross US Highway 1 and noted that it is important to have more parking spaces near the boat ramp area.

**ITEM 11.57. Phil Foster Floating Dock, Palm Beach County.**

Mr. Rob Robbins and Mr. Dan Bates, with Palm Beach County, presented the application to construct a 750-foot long floating dock alongside the artificial reef constructed by Palm Beach County Environmental Resources Management (ERM) in 2012. Mr. Robbins stated that this reef is part of the Snorkeling Trail on the south side of Phil Foster Park. The intended purpose is to provide easy access to the reef for boaters and protection to the snorkelers from stray boats entering the boating exclusion zone surrounding the reef. The dock will also provide a respite for fatigued snorkelers.

This is a popular dive/snorkel site that has received great write ups in several diving magazines.

Commissioner Isiminger stated that this is great snorkeling resource and a much needed safety project.

**ITEM 11.58. Pahokee Marina Breakwater System, Palm Beach County.**

This application has been withdrawn.

**ITEM 11.59. West Palm Beach Living Shorelines, Palm Beach County.**

Mr. Rob Robbins and Mr. Dan Bates, with Palm Beach County, presented the application to create living shorelines of riprap, mangrove planters, and intertidal islands along existing seawalls at Osprey and Currie Parks. Mr. Bates stated that these living shorelines will create wetland habitat and shoreline stabilization. These living shorelines

will increase fishery and wildlife habitats. These living shorelines are focused along two of the city-owned parks: Osprey and Currie Parks.

Commissioner Crowley asked if these planters impact seagrass. Mr. Bates answered no and noted that the county works around the seagrass beds.

Commissioner Chappell referenced Osprey Park and asked about the seawall replacement. Mr. Bates stated that the permitting process now allows sistering seawall replacement even if it impacts mangroves, as long as the mangrove planters are reinstalled after seawall completion.

Commissioner Donaldson stated that this new technology holds a lot of promise.

**ITEM 11.61. City of Riviera Beach Municipal Marina Dredging, Part I, Phase 2B, City of Riviera Beach.**

Mr. John Sprague, for the City of Riviera Beach, presented the Part I, Phase 2B application to dredge the marina to a -15', with a +2 feet depth at Dock G to allow for mega- yacht vessels. He stated that the 111-slip Riviera Beach Marina is located west of Peanut Island, north of the Palm Beach Inlet and close to FIND's Intracoastal Waterway (IWW) deepening dredging project. This is a popular marina with a restaurant and other shops.

Commissioner Isiminger asked the distance of the dock to the channel. Mr. Sprague answered 100 feet and with a docked vessel, it would be 62.5 feet from the channel.

Commissioner Isiminger asked the current existing grants status. Mr. Sprague stated that he has submitted reimbursement requests to the District and that documentation is being reviewed by staff and revisions are being made.

Commissioner Isiminger stated that the Riviera Beach Marina is ideally located and is a large complex. He stated that he is glad to see this dredging part of this project.

Commissioner Crowley asked about the agreement with the water taxi. Mr. Sprague stated that the water taxi pays rent to the marina. The marina has dedicated another space as a future water taxi stop. Commissioner Crowley asked if the water taxi service's documentation is reviewed by the marina. Mr. Sprague stated that the water taxi, that is docked at the marina and pays rent, has had their documentation and insurance reviewed.

**ITEM 11.62. Pavilion Lake Ramp and Dredging, PH II, City of Belle Glade.**

Ms. Lillian Tomeu, with the City of Belle Glade, presented the Phase II application to construct a new boat ramp with a pedestrian bridge and dredge a channel providing boater access to Route 2 of the OWW. This six-acre facility provides access to Route 2 of the Okeechobee Waterway (OWW). This marina is the site of many fishing tournaments.

Commissioner Isiminger stated that the dredging portion of this project will provide boaters a direct route to Lake Okeechobee from the marina.

**ITEM 11.63. Torrey Island Waterfront Park Sanitary Service Expansion, City of Belle Glade.**

Ms. Lillian Tomeu, with the City of Belle Glade, presented the application for the development of approximately 40 RV waterfront camping sites with full water, electric connections and sewage connections. The remaining 39 waterfront camp sites will remain for tent camping. The campground currently has a total of 360 mixed use sites, with two dump stations, restrooms and shower facilities.

Ms. Tomeu noted that this marina is the site of many fishing tournaments and there is a growing increase in requests for water and sewer connections by RV owners. This facility has two dump stations. This marina and these amenities will attract additional visitors to the area while providing an economic boost to local vendors. Commissioner Isiminger stated that this project is located on Route 2 of the Okeechobee Waterway (OWW) and noted the Route 2 channel is the District's management responsibility.

**ITEM 12-B. Public Comments.**

Chair Blow asked if there were any public comments.

Mr. Martin Murphy, 1071 Grand Bahama, Riviera Beach, Florida, stated that he is the owner of the property south of the Riviera Beach Marina. The Riviera Beach Marina proposed dock, with a mega-yacht moored on the outside of this dock, is in the area where the Intracoastal Waterway (IWW) channel setback in this area is 100 feet. The Rybovich project just north of this location is another huge waterway project. He stated that a mega-yacht docked to the north and a mega-yacht docked to the south of this area has the ability to block commercial, barge and tug traffic. He asks that the Board keep that in mind when reviewing the Riviera Beach Marina application.

Mr. Murphy stated that his second concern is that from 2009 to 2014 the Riviera Beach Marina has received six grants, totaling \$4 million. Of that \$4 million, \$2.5 million has been paid to contractors working on the project. He is concerned with the method of pay-outs and the city having the proper paper work, because they do not have releases from the contractor. He was the marina contractor and the marina was CO'd on

July 1, 2014, almost a year ago and today, the city has released only partial funding to him.

Commissioner Isiminger asked about the District's responsibility to make sure that all contractor releases have been received on a District-funded project. Ms. Zimmerman stated that the only thing that the District reimburses for are checks that have actually cleared. The District does not reimburse for retainage that has not yet been paid out to the contractor. She noted that getting all of the retainage check cleared is one of the items that staff has been working on with the City of Riviera Beach.

Commissioner Isiminger asked Mr. Murphy how much money is he due? Mr. Murphy answered \$60,000.00 in retainage and \$300,000.00, due to change orders and project delays. Commissioner Isiminger asked if it has been a year since he requested payment. Mr. Murphy answered yes. He stated that his contract was to demolish the old marina and install floating docks that were purchased by the city. The manufacturer of the floating docks did not have the operating money. The city worked out the problem, but the floating dock deliveries were delayed and that delayed the project 60-plus days.

Mr. Sprague stated that at the meetings that he has attended with the City of Riviera Beach, according to their contract, their only obligation for delays above the contract is eight days.

Commissioner Isiminger asked why the City of Riviera Beach would purchase the floating docks separate from this contract. Mr. Sprague stated that the city purchased the docks to save the 6% sales tax. He stated that there is no doubt that project was delayed and noted that the project became complicated when the manufacturer put in the docks.



Commissioner Dritenbas stated that it is not uncommon in construction projects to have delays when the contractor mobilizes and the owner purchases the materials, and the purchase of these materials delay the original contract, but usually the parties involved work it out. He noted that this should go to negotiation.

Mr. Murphy stated that he thought he was negotiating with the Marina Director who passed it off to the City Manager, who turned it over to the Assistant City Manager. He negotiated with the Assistant City Manager for over four months, an agreement was reached, it was put in writing, and submitted to the City Commission. The City Attorney then came back and stated that the Assistant City Manager did not have the authority to negotiate this agreement.

Secretary McCabe stated that the District provides funding to government agencies and the government agency does business with contractors. She noted that the District needs to review the rules to determine if there is a provision for this type of problem. It is easy for the District to say, "go settle your dispute", but it is not realistic. This dispute may end up in litigation, which is not a rare event in these types of circumstances. She is in favor of the District reviewing the rule.

Chair Blow cautioned that this dispute is not something that this Board wants to get in the middle of.

Commissioner Donaldson stated that it is in the District's best interest to remain a grant agency and not get involved in contractor project disputes.

Mr. Crosley noted that the District could tweak the Assistance Program rule so that the District could withhold final payment if there is a contractor dispute.

Commissioner Dritenbas asked when the District makes final payment on a grant project. Mr. Crosley stated that the District does not look at the CO. The District looks to see that the project has been built, and makes payment based on check disbursement. He stated that the District tries to limit project draws to four per grant, with 10% retainage.

Chair Blow asked about mega-yachts passing in the channel with a mega-yacht docked at the Riviera Beach Marina area. Mr. Crosley stated that when the Palm Beach Deepening project was permitted, the channel requirement is 90-feet wide and will be considered a one-way mega-yacht channel. This was addressed by permit.

Commissioner Isiminger asked that the District check with the U. S. Army Corps of Engineers (USACE).

**ITEM 11.64. Sullivan Park Maritime Village, Phase II, City of Deerfield Beach.**

Ms. Kris Mory, with the City of Deerfield Beach, presented the Phase II application to construct and purchase additional land for the expansion of the Sullivan Park Maritime Village project. This maritime village will provide public access to Deerfield Island County Park via an 800-foot long public boardwalk along the edge of the Intracoastal Waterway (IWW). Other project amenities include 11 boat slips, floating docks for canoes, kayaks and paddle boards, expanded parking facilities, and a restroom.

Secretary McCabe stated that she did not realize that there is no direct access to the Intracoastal Waterway (IWW) in Deerfield Beach. She noted that this appears to be a great project.

Commissioner Chappell stated that Ms. Mory has worked hard to pull all the project elements together to make this a great project.

**Chair Blow called a recess of the Florida Inland Navigation District Board of Commissioners Meeting at 12:20 p.m.**

**Chair Blow reconvened the Florida Inland Navigation District Board of Commissioners Meeting at 1:18 p.m.**

**ITEM 11.65. Exchange Club Park Improvements, City of Pompano Beach.**

Mr. Horacio Danovich, with the City of Pompano Beach, presented the application to move the park entrance to the west and increase the parking area at Exchange Club Park. This park is used for recreation, picnics and relaxing next to the Intracoastal Waterway (IWW). Current park amenities include a 12-vehicle unpaved parking lot and restrooms.

Mr. Danovich stated that it is anticipated that increased usage of this park will take place upon completion of these improvements. He stated this project will include a park entry gate, an asphalt road, and additional parking.

Commissioner Sansom asked about the District's plans to construct this site. Mr. Crosley stated that the District will not be constructing this site. Ms. Zimmerman stated that the District is removing exotic vegetation, re-grading the site and planting native vegetation at this site. The center of the site will remain open for the District's use, such as staging.

Commissioner Chappell stated that the District is clearing the exotic vegetation, planting a wild flower area, and creating a planting buffer with a trail around it. The city is to change the park entrance from the east side to the west side to keep traffic from going down a dead-end residential street. The parking that will be established will be north of the District's area and kept outside of the District's Dredged Material Management Area.

**ITEM 11.66. Intracoastal Water Taxi Station, PH II, City of Pompano Beach.**

Mr. Horacio Danovich, with the City of Pompano Beach, presented the Phase II application to construct a boat dock for a water taxi at a city-owned site at the end of Riverside Drive. This new boat dock will provide public and commercial access to the Intracoastal Waterway (IWW). This project will provide water taxi users access to a scenic mode of transportation and easy access to popular attractions and restaurants.

Commissioner Dritenbas asked if the public will be allowed to dock at this boat dock. Mr. Danovich stated that this dock is for the water taxi to load and unload passengers.

Secretary McCabe asked if the water taxi service would be a private enterprise. Mr. Danovich answered yes.

**ITEM 11.67. Marine Motors Replacement Boat No. 12, City of Fort Lauderdale.**

Sergeant Todd Mills, with the City of Fort Lauderdale, presented the application to purchase two Yamaha outboard motor engines for one of the city's marine unit vessels. He stated that the unit patrols 84 miles of waterway within the City of Fort Lauderdale. The new motors come with a three-year warranty and the department is working with the city to develop a marine motor replacement program as the warranty on these motors expires.

Vice-Chair Cuozzo asked that we review the District's rule regarding marine unit engines. He feels that perhaps the District should consider raising the amount we pay towards these engines.

**ITEM 11.68. Coontie Hatchee Lagoon, Phase I, City of Fort Lauderdale.**

Mr. Jonathan Luscomb, with the City of Fort Lauderdale, presented the Phase I application to design and permit the construction of a lagoon kayak launch and add mangrove plantings to stabilize the shoreline to support the estuarine environment at Coontie Hatchee Park, which is located on the South Fork of the New River approximately three miles from the Intracoastal Waterway (IWW).

Commissioner Williams asked about the flushing of this area of the waterway. Mr. Luscomb stated that the city has studied various areas of the waterway where debris accumulates and this project will fix the flushing in this area. He noted that this is a tidal river.

**ITEM 11.69. Trash Skimming Vessel, City of Fort Lauderdale.**

Mr. Jonathan Luscomb, with the City of Fort Lauderdale, presented the application to purchase a new trash skimming vessel. The current, 11-year old, trash skimming vessel has reached the end of its useful life. The city removes thousands of pounds of trash and debris from the Intracoastal Waterway (IWW) and the New River each year.

Commissioner Crowley asked about the eligibility of this application. Ms. Zimmerman stated that the District cannot fund operational costs. Mr. Crosley stated that the District can help fund the acquisition of a vessel that the city can operate and the city pays for that operation.

**ITEM 11.70. Sweeting Park Dock, City of Fort Lauderdale.**

Mr. Jonathan Luscomb, with the City of Fort Lauderdale, presented the application to replace two docks at Sweeting Park. This application is for part of an

overall update and renovation of this park that also includes re-grading the shoreline, creating a retention/filtration swale, removing exotic vegetation and planting native grasses and plants.

Commissioner Isiminger asked about the decking material. Mr. Luscomb stated that the material is a gray composite plastic material. Commissioner Isiminger noted that plastic composite has to be installed with the stringers close and he noted that the plastic composite gets very hot, is slippery and the expansion and contraction of the material is not compatible with the wood substructure members. He noted that the new composite lumber material is a good product.

Commissioner Chappell noted that this project is located in an area of the city that will provide waterway access to citizens that do not live on or near the water.

**ITEM 11.71. Las Olas Marina and Access Dredging Project, Phase I, City of Fort Lauderdale.**

Mr. Jonathan Luscomb, with the City of Fort Lauderdale, presented the Phase I application to design, permit and plan for dredging to a -15 foot depth to maintain depth consistency and to connect the City's Las Olas Marina to the planned dredging of the Intracoastal Waterway Channel (IWW) north of Port Everglades.

**ITEM 11.72. Bahia Mar Yachting Center, Phase I, City of Fort Lauderdale.**

Commissioner Chappell has declared a Conflict of Interest in this project and in accordance with procedures indicated that he will not participate in the discussion or be eligible to vote on this issue. He completed Form 8B, Memorandum of Voting Conflict for County, Municipal, and Other Local Public Officers.

Mr. Jonathan Luscomb, with the City of Fort Lauderdale, presented the Phase I application to design, permit and plan for dredging to a -17 foot depth to maintain depth

consistency and to connect the City's Bahia Mar Yachting Center to the planned dredging of the Intracoastal Waterway Channel (IWW) north of Port Everglades. It is estimated that upon completion of these two projects, the yachts that will use these facilities will provide an economic impact to the area of \$8.9 million.

Chair Blow asked if these marina projects can move forward before the District completes the IWW Channel dredging project that connects to these projects. Mr. Luscomb stated that the city discussed the mitigation portion of the project with Broward County and initially the county said that some mitigation could be completed, such as mangrove plantings, but they did not want seagrass planted before FIND completes their dredging project. Recently the county indicated they do not want anything done until FIND's project is completed.

Commissioner Sansom cautioned the applicant that they may not receive the permits for these two projects before the Phase I grant deadline of three years. Mr. Crosley stated that applying for these Phase I applications gives the applicant the most flexibility to move forward with these projects.

**ITEM 11.60. Anchorage Park Kayak Launch and Day Dock, PH II, Village of North Palm Beach.**

Commissioner Isiminger stated that Mr. Ryan Ruskay has had car problems and will not be able to make this presentation.

Commissioner Isiminger presented the Phase II application to construct a canoe/kayak launch facility, boat day docks, and Intracoastal Waterway (IWW) access trails with viewing areas. Anchorage Park is a large facility that is located on the Earman River and is the Village's largest public access point to the IWW. He stated that this park has a walking trail and marina.

**Chair Blow called a recess of the Florida Inland Navigation District Board of Commissioners Meeting at 2:55 p.m.**

**Chair Blow reconvened the Florida Inland Navigation District Board of Commissioners Meeting at 3:08 p.m.**

**ITEM 11.73. Marsh Preserves Launch, Fishing Improvements, Phase III, City of Atlantic Beach.**

Mr. Doug Layton, with the City of Atlantic Beach, presented the Phase III application to construct a 2,600 foot-long by eight-foot wide asphalt pathway along Dutton Island Road, from Dutton Island Preserve to Dutton Island. Other amenities at this park include: a fishing pier; kayak/canoe launch; boardwalk; pavilion; restrooms; primitive camping; picnic facilities and parking on the north side of Dutton Island. This preserve has nearly 400 acres of marsh and associated uplands on the Intracoastal Waterway (IWW). The city has developed a 20-year master plan for this park.

Commissioner Crowley asked about the public use of this facility. Mr. Layton stated that the public is using this facility as it is today and favors the kayak areas.

**ITEM 11.74. Sisters Creek Dock Redesign, PH II, City of Jacksonville.**

Mr. Brian Burket, with the City of Jacksonville, presented the Phase II application to move the docks out further into deeper water because at low tide the docks now touch the river bottom at most tide cycles. The engineers suggested that the solid concrete wall at the Jim King section of the park is pushing silt into the channel where the floating docks are currently located. The floating docks will be relocated further from the shore, making them useable at all tides levels and reduce the environmental impacts caused by their current location. This park is directly located on the Intracoastal Waterway (IWW) and is the city's premier boater facility. This is the most popular boat ramp facility in the City of Jacksonville.



Chair Blow noted that this facility is the location for the Annual Greater Jacksonville Kingfish Tournament, which attracts boaters from all over the region.

**ITEM 11.75. Mayport Boat Ramp, Phase IIB, City of Jacksonville.**

Mr. Brian Burket, with the City of Jacksonville, presented the Phase IIB application to expand the boat launch lane at the Michael Scanlon (Mayport) Boat Ramp. This park is located at the mouth of the St. Johns River and near the Port of Jacksonville. Large ships cruise through here and this expansion will help make the facility safer for smaller boats. The city is currently constructing a restroom facility at this park. This is the busiest boat ramp in the county.

Chair Blow stated that this boat ramp is Jacksonville's closest facility to the ocean.

**ITEM 11.76. County Dock Boat Ramp, PH II, City of Jacksonville.**

Mr. Brian Burket, with the City of Jacksonville, presented the Phase II application to remove the deteriorated rip-rap, replace the boat ramp, pour a new launch area, remove old pilings and remove parking obstructions within the parking area. The site will be redeveloped for a new launch area for small motorized boats, kayaks, and canoes.

**ITEM 11.77. Tillie Fowler Kayak Launch, Phase I, City of Jacksonville.**

Mr. Brian Burket, with the City of Jacksonville, presented the Phase I application to design and engineer a kayak launch, new entrance road and parking from Timuquana Road at the north end of the 500-acre Tillie Fowler Park. Other park amenities include a nature center, nature trails, playgrounds, and a dog park. The park is located on the Ortega River.

Commissioner Dritenbas stated that the property is owned by the U. S. Navy and leased to the City of Jacksonville and the applicant is the city. He asked if the applicant has to be the owner of the property to qualify for grant funding.

Mr. Crosley stated that the City of Jacksonville has 25-year property control and is eligible for grant funding.

Mr. Burket stated that the lease with the U. S. Navy will be renewed in two years and he noted that the Navy has given their support of the project.

**ITEM 11.78. Wayne B. Stevens Docks, City of Jacksonville.**

Mr. Brian Burket, with the City of Jacksonville, presented the application to replace and update three floating docks and new gangways at the Wayne B. Stevens Boat Ramp located on the west side of the St. Johns River about 5.5 miles south of downtown Jacksonville. This facility has five boat ramps, a kayak launch area, three docks, 43 boat-trailer parking spaces, an Archery Club, jogging trails, Nature Center, Observation Tower, a picnic and playground area, and restrooms.

Mr. Burket stated that this is that most popular boat ramp on the west side of the City of Jacksonville.

**ITEM 11.79. Pottsburg Creek Dredge, Phase II, City of Jacksonville.**

Mr. Brian Burket, with the City of Jacksonville, presented the Phase II application to dredge Pottsburg Creek. There are seven areas that require dredging to remove approximately 13,500 cubic yards of material from the channel. In addition to the dredging project, channel markers and boating safety signs will be installed to ensure public safety. This waterway is used for boating, kayaking, paddle boarding and fishing.

**ITEM 11.80. Joe Carlucci Boat Ramp Extension, Phase I, City of Jacksonville.**

Mr. Brian Burket, with the City of Jacksonville, presented the Phase I application to design and engineer the replacement of two fixed docks, replace two small floating docks, and add 100 feet of floating dock parallel to the shoreline at this popular boat ramp. This facility is located at the confluence of the IWW and the St. Johns River. This is a very busy boat ramp, especially during fishing tournaments.

**ITEM 11.81. Metro Park Dock Replacement, Phase I, City of Jacksonville.**

Mr. Brian Burket, with the City of Jacksonville, presented the Phase I application to design and permit the replacement of two fixed, wooden docks to floating concrete docks with a small fishing pier. This facility is located in downtown Jacksonville adjacent to EverBank Field, home of the Jacksonville Jaguars football team, and a large outdoor amphitheater. The marina and adjacent park is the venue for many outdoor concerts and is used by the general public, boaters and fishermen.

**ITEM 12-B. Public Comments.**

Chair Blow asked if there were any additional public comments. There were none.

**ITEM 13. Additional Staff Comments.**

Chair Blow asked if there were any additional staff comments or discussion.

Mr. Crosley thanked the Commissioners for attending this long, two-day meeting.

Ms. Zimmerman mentioned that during the grant presentations, if the commissioners think of items for discussion, but are not pertinent to the application being presented at that time, staff could put those questions on a chart for discussion at a later time.

**ITEM 14. Additional Commissioner Comments.**

Chair Blow asked if there were any additional Commissioner comments.

Secretary McCabe thanked Ms. Zimmerman for guiding the applicants through this process and complimented her for doing a great job.

Commissioner Crowley stated that he enjoys this meeting process and always takes an idea or a project idea back to Miami.

Commissioner Dritenbas thanked staff and Mr. Crosley for the organized agenda and application presentations.

Commissioner Dritenbas thanked Commissioner Sansom for last evening's Community Outreach Event.

Commissioner Chappell stated that at the Marine Industries Association of South Florida annual dinner, FIND was presented with the Project of Excellence Award.

**ITEM 15. Adjournment.**

Chair Blow stated that hearing no further business the meeting was adjourned at 4:15 p.m.

**SYNOPSIS OF THE MINUTES OF THE  
FLORIDA INLAND NAVIGATION DISTRICT**

**Board of Commissioners Meeting**

**9:00 a.m., Saturday, July 18, 2015**

**Hampton Inn & Suites**

**19 South Second Street**

**Fernandina Beach, Nassau County, Florida 32034-4201**

**ITEM 1.      Call to Order.**

Chair Blow called the meeting to order at 9:09 a.m.

**ITEM 2.      Pledge of Allegiance.**

Commissioner Williams led the pledge of allegiance to the Flag of the United States of America.

**ITEM 3.      Roll Call.**

Assistant Executive Director Janet Zimmerman called the roll. Chair Blow, Vice-Chair Cuozzo, and Commissioners Dritenbas, Donaldson, Isiminger, Sansom and Williams were present. Ms. Zimmerman stated that a quorum was present. Commissioners Netts, McCabe, Chappell and Crowley were noted as absent. There currently is no District Commissioner for Duval County.

**ITEM 4.      Consent Agenda.**

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

Commissioner Dritenbas made a motion to approve the Consent Agenda as presented. The motion was seconded by Commissioner Sansom. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 5.      Additions or Deletions.**

Chair Blow 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 6, Tallahassee Report; Item 6A, Atlantic Intracoastal Waterway Association (AIWA) presentation; and change Item 17, Finance Committee Report to Finance and Budget Committee Meeting.

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

**ITEM 6.      Public Comments.**

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

**Tallahassee Report.**

Mr. Jon Moyle, with Moyle Law Firm in Tallahassee, presented an overview of Florida's 2015 Legislative Session, discussed the Legislative Special Session, and provided an update on the Governor's Navigation District appointments.

Mr. Moyle stated that the 2015 Legislative Session was quite unusual, unlike any session that may have ever been. The only bill that the Legislature is required to pass is the State Budget and that was not passed because of a dispute between the House and Senate over health care access. After a two-week break, the Senate returned for a Special Budget Session, where the Senate passed the health care budget and the House voted

against it. A budget was finally passed at the Special Session. It was noted that Governor Scott vetoed nearly \$500 million dollars in projects. This year's session is now over.

Mr. Moyle stated that the forthcoming Legislative Session will be in January of 2016, with Committee Meetings starting in September of 2015.

Mr. Moyle stated that as a result of the Florida Supreme Court ruling last week, a Special Legislative Session regarding Congressional District delineations must be held by September 25, 2015.

Mr. Moyle stated that during this past Legislative Session, two of the recently appointed FIND Commissioners were confirmed by the Senate and the other appointments did not receive confirmation. The Governor will have to re-appoint those Commissioners that were not confirmed, and they will have to go through the appointment process again.

Commissioner Dritenbas asked about a Duval County Commissioner candidate. Mr. Moyle stated that the Governor is accepting applications for that appointment and to date, there has not been a Commissioner appointed for Duval County.

Mr. Crosley inquired about Commissioners that were not confirmed by the Senate. Mr. Moyle stated that those Commissioners will be notified by the Secretary of the State's office, and they will be asked to complete a new questionnaire and other forms.

Commissioner Dritenbas noted that he will not be seeking future re-appointment as a FIND Commissioner.

Mr. Crosley stated that he appreciates Mr. Moyle's work monitoring issues affecting the District in Tallahassee.

**ITEM 6A. Atlantic Intracoastal Waterway Association (AIWA).**

Mr. Brad Pickel, Executive Director of the Atlantic Intracoastal Waterway Association (AIWA), thanked Mr. Crosley for his service as Chair of the AIWA during the past year.

Mr. Pickel stated that the primary focus of the AIWA is to secure federal funding for the Atlantic Intracoastal Waterway (AIWW) along the east coast of the United States from Virginia south to Florida. There has been some increases in federal funding for the AIWW, but there is still a lot of work needed. The Administration's FY 2015 Budget was \$10.8 million and through additional efforts, the AIWW received \$13.3 million for the annual work plan. He noted that Florida received an additional \$3 million in IWW funding because of Hurricane Sandy funding.

Mr. Pickel stated that for FY 2016 the House of Representatives has allocated \$42 million for additional inland waterway funding, and the U. S. Senate Appropriations Committee has allotted \$45 million. This funding has been approved by the House but not the Senate. Additional funding has been allotted to "mini-pots", such as Harbors and Channels, removing the inland waterways from competing for funding based on tonnage and allowing the AIWA to show the value of the waterway to our Washington Representatives.

Mr. Pickel stated that the AIWA has been working to get other states to become non-federal cost-share partners with the Federal Government. All states must have local sponsors for the AIWW, but Florida and North Carolina have become funding partners



with the Federal Government. South Carolina is working on a Contributed Funds Agreement (CFA). The CFA is under review in Washington and could increase South Carolina's funding for dredging in 2015-16.

Commissioner Donaldson noted that there are members of Congress that feel Contributed Fund Agreements can limit the ability of the U. S. Army Corps of Engineers (USACE) to prioritize projects.

Commissioner Isiminger questioned if the District's funding contributions to dredging projects limits or assists the District in receiving federal funding.

Mr. Pickel stated that the next issue is the Water Resources Development Act (WRDA) of 2014. The AIWA has met with all the Congressional leaders of the states along the AIWW, and they were able to get Congressmen Jones (NC) and Carter (GA) to write individual letters requesting a status of the required report. This report will help show the value of the AIWW as a national system. After those letters were sent, a WRDA Subcommittee Hearing was held and Congresswoman Frankel (FL) and Congressman Rouzer (NC) asked very specific questions about reallocating funding for existing projects to the WRDA report. The AIWA is collaborating with FIND on the development of a joint delegation letter to the Assistant Secretary of the Army (ASA) Darcy requesting that a study be initiated. Currently, six signatories are on the letter and additional signatures are expected soon.

Mr. Pickel stated that for 2015, the AIWA is: continuing to support Administration Budgeting and Congressional Mini-Pot Appropriations for the waterway; identifying and supporting partners willing to provide funding for the waterway; encouraging a Congressional Delegation to pursue the Section 208 Report; and

investigating and supporting any other efforts to increase funding or reduce the costs of waterway maintenance.

Mr. Pickel noted that the AIWA 2015 Annual Meeting will be held November 12-13, 2015 at the Omni Jacksonville Hotel.

Mr. Crosley stated that Mr. Pickel and the AIWA are doing a great job and as additional states and members join the organization, it will build a cooperative effort to ask for waterway funding on a national level. The AIWA is now the national “Voice of the Waterway” along the east coast.

**ITEM 7.      Board Meeting Minutes.**

Chair Blow noted that the June Board Meeting Minutes will be presented for approval at the District’s August 21, 2015 Board Meeting.

**ITEM 8.      Comments from the U.S. Army Corps of Engineers.**

Ms. Shelley Trulock, the Intracoastal Waterway (IWW) Project Manager with the U.S. Army Corps of Engineers (USACE), noted over the last few years she has seen an increase in funding to the work plan. She feels that is a direct correlation to the relationship that the USACE has with FIND. She stated that she provided a report to Dylan Davis at the Corps’ South Atlantic Division (SAD), providing yachting industry waterway economic impacts specific to South Florida. Mr. Davis has taken this report to the Corps Division Headquarters. Mr. Davis would like to provide more funding for the waterways and he continues to provide data supporting this position.

Ms. Trulock stated that she has received a request to write a Water Resources Development Act (WRDA) report for Congress. She has researched and gathered the appropriate data and she is waiting for implication guidance to complete the report.

Ms. Trulock stated that the IWW Indian River Reach I dredging project began January 2, 2015 and was completed June 21, 2015. Approximately 303,000 cubic yards of material has been dredged and placed in DMMA IR-2. She noted that this has been a successful dredging project with a great contractor.

Mr. Crosley noted that the District received a reimbursement check in the amount of \$3.3 million from the USACE for the unused portion of the District's IWW Indian River Reach I dredging project funding contribution.

Mr. Crosley noted that the DMMA IR-2 dredging project was a straight forward project that cost approximately \$6 million, and that the District has another six dredging projects scheduled over the next couple of years.

Commissioner Sansom asked for a dredging project calendar. Mr. Crosley stated that staff and Ms. Trulock will be meeting to identify upcoming dredging projects with timelines and cost estimates.

Ms. Trulock stated that Plans and Specifications for construction of DMMA O-7 are proceeding and should be completed at the end of November, 2015. She stated that the project is planned for advertisement in February, 2016.

Ms. Trulock stated that Ms. Tori White, with the USACE Regulatory Division, has reviewed the seagrass survey for the IWW Broward Reach I dredging project, and has found that there is no seagrass within the Federal Channel. It was noted that there are some sparse patches of seagrass within anchor zones, which is workable for project operations. Also, no coral was found within the Federal Channel.

Mr. Crosley stated that he participated in the field visit with the USACE Regulatory and the National Marine Fisheries Service (NMFS) to the Broward Reach I

project area. Side-Scan Sonar had been previously used to determine the presence or absence of seagrass and submerged resources. The field work was to verify the sonar's results and assist NMFS with accepting the use of this technology.

Ms. Trulock stated that the USACE is moving forward with project permitting. They hope to utilize the USACE dredge to complete this project. The project will remove approximately 50,000 cubic yards of material from the Federal Channel utilizing off-shore material disposal. FIND will receive a Work Order for this project around February of 2016.

**ITEM 9.      Staff Report on Nassau County Area Projects.**

Mr. Crosley stated that the District completed the Phase I Dredged Material Management Plan (DMMP) for the Atlantic Intracoastal Waterway (AIWW) in northeast Florida in 1986. He stated that this plan was updated in 2007 in response to public and legislative concerns, and the dredging reach boundaries were slightly altered. Over the next 50 years, 1.3 million cubic yards of material is projected to be dredged from the AIWW in Nassau County to maintain its navigability. He stated that the plan designates that dredged material from Dredging Reach I, which is not beach quality, will be managed at DMMA NA-1 on Crane Island, and that dredged material from Dredging Reach II, which is beach quality, will be placed on the Amelia Island State Park beach. In addition, the 2014-15 AIWW Centerline Survey identified an area between the authorized AIWW channel and the Fernandina Harbor project that has not been managed or maintained for navigation. This area is proposed to be managed by FIND and updates to the DMMP will be necessary.

Mr. Crosley stated that Dredging Reach I is experiencing shoaling just south of the Shave Bridge and at other locations, and the area will be dredged in 2015 following the settling of the dikes from DMMA NA-1, which was constructed in 2013.

Mr. Crosley stated that since Nassau County joined the District in 2004, the District has received and approved 14 applications from the City of Fernandina Beach and Nassau County resulting in a District investment of \$1.3 million towards \$2.8 million in waterway improvement projects. He stated that the most significant project has been the Fernandina Beach City Marina revitalization which has greatly improved the waterfront.

Mr. Crosley stated that the District completed the Economic Analysis of the Waterways in Nassau County in December of 2011. He noted that each year the waterways in Nassau County generate \$47.6 million in economic activity, 335 jobs, and increase property values by \$141 to \$170 million. He stated that the District has partnered with Keep Nassau Beautiful for many years for their annual trash and debris waterway cleanup.

Mr. Crosley stated that in the near future he will be contacting firms to update the Economic Impact Analysis of the Waterways for the entire District.

**ITEM 10.     Presentation and Discussion of Sediment Management Options for Dredging in Cut 1 of the Okeechobee Waterway (OWW) in the Vicinity of Crossroads (St. Lucie Inlet), Martin County, Florida.**

Dr. Michael Kabling, Ph.D., P.E., C.F.M., with Taylor Engineering presented a computer modeling analysis for Cut 1 of the Okeechobee Waterway (OWW), a dredging area approximately 80 feet wide by 3,450 feet long, near the vicinity of the St. Lucie Inlet. Taylor Engineering identified and analyzed the existing features, hydrodynamics,

and sediment characteristics of the OWW Cut 1 area to determine whether alternatives exist that would reduce sediment inflow into the channel, and (if implemented) would reduce the frequency and costs of maintenance dredging. The extended simulation period accounted for a reduction in sediment trapping efficiency, as the OWW Cut 1 shoals and accounts for a long-term variation in sediment transport. The Phase 2 long-term evaluations provided better estimations of the likely shoaling rates at the OWW Cut 1 for the “No-Action” plan, and the two most-promising alternatives - Alternatives 7 and 9.

Dr. Kabling stated that Alternative 7 suggests deepening the eastern 1,350 foot length of the OWW Cut 1 by 2 feet by dredging the channel from -8 feet to -10 feet, Mean Low Water (MLW), with a 2-foot over dredge. This alternative recommends dredging every four years with a uniform annual dredging cost of \$1.1 million. Alternative 9 suggests partial removal of shoals by dredging them to elevation -10 feet (MLW). This alternative recommends dredging every five years with a uniform annual dredging cost of \$948,000.00.

Alternative 7 has the highest annual dredging costs and Alternative 9 would provide an estimated savings of \$154,000.00 per year. Alternative 9, decreases dredging frequency from once every three years, to once every five years. It would require that DMMA M-5 be off-loaded every 15 years and would remain economically viable when the unit cost of dredging stays below \$8.10 per cubic yard. Taylor Engineering recommends pursuing Alternative 9 by proceeding with the permitting, engineering and design, conducting vibracore borings at the dredge sites for permitting, and monitoring the shoals with future bathymetric surveys.

Mr. Crosley noted that the OWW is an -8 foot project and the Intracoastal Waterway (IWW) is a -10 foot project. He suggested that behind the scene, the District staff spends significant time on these projects and, while it is encouraging that Alternative 9 suggests a direct cost savings, the fact that it allows for a decreasing frequency also has great value.

Commissioner Isiminger noted that the good thing about the dredging cost sensitivity is that the project could be bid every five years, and if the cost comes in below \$8.10, the District could stay with Alternative 9. If the cost doesn't come in below \$8.10, the District could go another three years with the existing dredging.

Commissioner Isiminger commented that just west of OWW Cut I, it appears that the channel would benefit from a relocation to the south. Mr. Crosley stated that he supports channel realignment.

Mr. Crosley stated that he would like to request a Task Order from Taylor Engineering for further development of Alternative 9, a project scope proposal and a channel realignment analysis. The Board concurred.

**ITEM 11.     Proposal and Fee Quote for Additional Professional Engineering Services to Modify and Update the Dredged Material Management Plan (DMMP) for Nassau and Duval Counties, Florida.**

Mr. Crosley stated that the completed hydrographic surveys of the Atlantic Intracoastal Waterway (AIWW) in Nassau County revealed extensive shoaling within an area south of the Fernandina Beach Marina. This area was NOT previously considered part of the AIWW planning area, as it was believed to be included in the Fernandina Harbor Project authorization.

Mr. Crosley stated that this area in discussion is no longer maintained through the original authorization. Discussions with Taylor Engineering and USACE staff has led to the conclusion that this area of the waterway is currently not being actively managed and is exhibiting water depths as shallow as -5' Mean Low Water.

Mr. John Adams, with Taylor Engineering stated that in order to consider this project for maintenance dredging, the area will need to be included in the District's Dredged Material Management Plan (DMMP) for Nassau and Duval Counties. Taylor Engineering is providing a fee quote and proposal of \$17,772.00 to complete the necessary update to this plan and evaluate the long-range management of this area. Clarification of the additional project area location was discussed.

Commissioner Dritenbas made a motion to approve a proposal and fee quote from Taylor Engineering in the amount of \$17,772.00 to update the Dredged Material Management Plan for Nassau and Duval Counties, FL, to include the area near Fernandina Harbor. The motion was seconded by Commissioner Donaldson. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 12.     Scope of Services and Fee Proposal for Permitting and Engineering Services for the Dredging Area of Nassau Reach 1, Nassau County, Florida.**

Mr. Crosley stated that Nassau County's Dredging Reach 1 area is experiencing significant shoaling. Those Commissioners that were on the Atlantic Intracoastal Waterway (AIWW) portion of the recent Waterway Inspection trip will recall several areas of concern for grounding with the U.S. Army Corps of Engineers (USACE) survey vessel Florida (-5' draft) as well as a sail boat grounded in the middle of the AIWW channel south of Fernandina Beach.



Mr. Crosley stated that an analysis of the recently completed AIWW Centerline Survey supports the need for dredging in this area, with minimum depths of -5' Mean Low Water. The initiation of this project has been awaiting the completion and settling of Dredged Material Management Area (DMMA) NA-1.

Mr. John Adams stated that the DMMA NA-1 site should be available for use next year, concurrent with the completion of the design, engineering and permitting of Dredging Reach 1 in Nassau County. Reach I includes the south portion of the Fernandina Harbor Project Area to Mile Marker 10. From Mile Marker 10, is referred to as the Sawpit Project Area, Reach II. Reach II is dredged every five years and that material is placed on the beach. This proposal is consistent in scope and costs to similar projects previously conducted by the District. These areas will also be surveyed to determine if it would be beneficial to relocate the Federal Channel to deeper water. This proposal is for preliminary design, permitting, and final design to secure a contractor to complete the work.

Commissioner Sansom made a motion to approve the scope of services & fee quote in the amount of \$171,189.12 from Taylor Engineering for the design, engineering and permitting of Dredging Reach 1, Nassau County, FL. The motion was seconded by Commissioner Williams. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 13. FY 2015-2016 Cooperative Assistance Program Application Rating and Evaluation.**

Ms. Zimmerman stated that staff has compiled the Commissioner's Rating and Evaluation Scores for the Cooperative Assistance Program (CAP) applications. Each CAP application received more than the required 35 points for further funding

consideration, pursuant to the program rules. There are a total of five CAP applications and the three construction projects are expecting to obtain the required environmental permits prior to the District's deadline. The Florida Department of Environmental Protection's (FDEP) requests are ongoing, successful programs.

Vice-Chair Cuozzo made a motion to approve the final listing of FY 2015-2016 Cooperative Assistance Program applications for funding consideration at the final TRIM hearing. The motion was seconded by Commissioner Isiminger. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 14. FY 2015-2016 Waterways Assistance Program Application Rating and Evaluation.**

Ms. Zimmerman stated that staff has compiled the Commissioner's Rating and Evaluation Scores for each Waterways Assistance Program (WAP) Application. Each WAP application received more than the required 35 points for further funding consideration, pursuant to the program rules. Applications listed in bold are awaiting permits.

Commissioner Sansom made a motion to approve the final listing of FY 2015-2016 Waterways Assistance Program applications for funding consideration at the final TRIM hearing. The motion was seconded by Commissioner Dritenbas. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

Commissioner Dritenbas asked the about application permit deadline. Ms. Zimmerman stated that it will be the date of the District's Final Trim Hearing and while that date has not been set, it is usually the middle of the last week in September.

**ITEM 15. Assistance Program Process.**

Ms. Zimmerman stated that while working with the Assistance Program and listening to Commissioner discussions over the past few months, staff has prepared the following list of potential rule changes for additional consideration by the Board. Should the Board elect to initiate specific changes to our program rules, staff and the District's attorney will draft specific language that will be considered at the August Board Meeting.

Ms. Zimmerman stated that the first item is to revise and update application forms and questions to ultimately achieve an electronic grant application. There are application questions that are redundant or could be revised to better convey the information the District is requesting.

Commissioner Williams stated that he would like to include on the application, the question "What is the estimated maintenance cost of this project". He commented that he would like more than a yes or no answer.

Commissioner Sansom noted that the application should make it clear that there is a project life cycle expectation and inquire as to what is being done to maintain this project to the expected design life. Ms. Zimmerman noted that all public marina projects must have in place an Enterprise Fund for annual maintenance costs.

Commissioner Donaldson stated that the District can encourage the communities to maintain these projects, but mandating would be difficult. Perhaps the application could request five-year documentation of investment and maintenance of existing projects.

Ms. Zimmerman stated that the second item is to remove or increase verbiage limiting funding for replacement vessels, **66B-2.008(1)(c)2**. “Marine law enforcement and other vessels are eligible for a maximum of \$30,000.00 in initial District funding.”

Vice-Chair Cuzzo suggested increasing the funding for vessel or law enforcement motors to \$60,000.00. He noted that the patrol boats are bigger and require multiple motors.

Ms. Zimmerman noted that the applicant would be eligible for a maximum of \$60,000.00 in initial District funding with a 50% match from the applicant.

Ms. Zimmerman stated that the third item is to increase the incentive and/or District percentage match for commercial marina/boat ramp/working waterfront projects, currently matched at 50% and listed as Priority #5 **66B-2.008 (1)(a)**. This item could be made a higher priority project, and/or given a higher point value and increased funding percentage match (to 75 percent District funding) if it is a working waterfront facility. She noted that working waterfronts are identified in the District’s Waterway Master Plan that addresses the acquisition and development of public, commercial and industrial waterway access.

Commissioner Isiminger stated that he would be in favor of moving commercial waterfront access up to three or five, but not to one or two. He is not in favor of raising the funding percentage match and he feels that the current 50 percent match is fine. He feels that the only project that should be funded over fifty percent are public navigation projects located in the Intracoastal Waterway (IWW). He also strongly recommends that the local match be a “local match” and that it does not consist of funding from other agencies.

Commissioner Donaldson stated that the District could review various locations along the IWW and identify where the need for commercial or marine contractor waterway access is needed. Those areas could be identified as properties for contractor staging areas and they could qualify for a higher percentage of District assistance.

Ms. Beth Lemke, with Planning Solutions, stated that local government may not know that there is a need for working commercial and marine contractor staging areas and local governments may need help in identifying needs.

Ms. Zimmerman stated that the fourth item is to clarify wording for Public Navigation projects – “provide public navigation channel access to two or more publicly accessible launching, mooring or docking facilities”, **66B-2.005(6)**;

Commissioner Sansom stated that it is important to clarify if the facility is owned by the public and is available for use by the public.

Ms. Zimmerman stated that the fifth item is to allow picnic shelters and furniture as eligible project elements as long as they are located near the waterfront, **66B-2.008(1)(b)8**.

Ms. Zimmerman stated that Ineligible Projects or Project Elements, Project costs ineligible for program funding, or matching funds will include: contingencies, miscellaneous, reoccurring personnel related costs, irrigation equipment, ball-courts, park and playground equipment, and any extraneous recreational amenities not directly related to the waterway such as the following:

1. Landscaping that does not provide shoreline stabilization or aquatic habitat;
2. Restrooms for non-waterway users;
3. Roadways providing access to non-waterway users;

4. Parking areas for non-waterway users;
5. Utilities for non-waterway related facilities;
6. Lighting for non-waterway related facilities;
7. Project maintenance and maintenance equipment;
8. Picnic shelters and furniture for non-waterway related facilities.

Commissioner Sansom noted that benches to wait for the water taxi would be eligible, but benches to wait for the bus would not be eligible.

Ms. Zimmerman stated that the sixth item is to address grant compliance for post-project completion, and the partial payments and payout of completed project (contractor disputes) in the grant agreement. Revisions to the grant agreement have been made with the help of the District's Attorney.

Commissioner Isiminger reviewed two sections of the District Waterways Assistance Program statute and noted that the District has more and more applicants applying for matching funding. For example, the applicant requests \$1 million from the District, with a match of \$500,000.00 from the Department of Transportation (DOT) Fund and \$500,000.00 from the U.S. Fish and Wildlife Service (USFWS). Whereby, the local government is contributing zero funds to the project. His concern is the people applying for funding may or may not support what the constituents really want, and the constituents are the District's constituents. The project may not necessarily be a project that is locally supported and could be a staff agenda project. The best way to insure that a project is locally supported is to have the local officials vote to spend some of their money on the project, and ensure that the project is supported by the local elected officials. He strongly recommends that a local match should be a local match.

Vice-Chair Cuzzo noted that all the money from other agencies is still the constituent's money. He stated that in his county, if a project does not have constituent support, it will never get to the County Commission for a vote to move forward.

Mr. Crosley noted that all applicants must submit a project Resolution to the District.

Commissioner Williams noted that not all communities have the funding to contribute to necessary and desired waterway projects. They really need the funding help from other governments. He agrees with Vice-Chair Cuzzo.

Mr. Crosley noted that some of the best Waterways Assistance Projects (WAP) that have been submitted to the District for funding have not had a local funding match.

Chair Blow stated that this 12-county District is very diverse. Some counties have large local governments with a huge tax base, and other counties are small with a small tax base. They simply may not have the funding to contribute to a much needed project.

Commissioner Isiminger asked for an opinion from Attorney Breton on "matching funds" from the local sponsor. Attorney Breton stated that past Boards have considered funding provided by the applicant to be local funding, even if the funding is obtained from other sources.

Commissioner Sansom noted that if a local government goes through the process to obtain funding from other governments, once they obtain that funding, it is their money.

**ITEM 16. City of Daytona Beach Waterways Assistance Program (WAP) Project #VO-DB-14-101 (WAP) Major Cost Modification Request - Halifax River Greenway Trail and Pedestrian Underpass.**

Ms. Zimmerman stated that the City of Daytona Beach has submitted a request for a major project cost modification to Project #VO-DB-14-101, Halifax River Greenway Trail and Pedestrian Underpass. Due to limitations of matching grant sources, the city wishes to reallocate FIND funding from the upland waterfront trail to the wooden boardwalk portion of the project. The overall project being constructed does not change and the project costs remain the same.

Commissioner Sansom made a motion to approve a major project cost estimate modification request to WAP Project Agreement #VO-DB-14-101, Halifax River Greenway Trail and Pedestrian Underpass. The motion was seconded by Vice-Chair Cuozzo. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 17. Finance and Budget Committee Meeting.**

Chair Blow stated that because the Board did not have a quorum for the Finance and Budget Committee Meeting earlier today, the meeting was added to the Board Meeting Agenda.

**ITEM 6. Financial Statements for May of 2015.**

Mr. Crosley presented the District's financial statements for May of 2015.

Vice-Chair Cuozzo made a motion to approve the financial statements for May, 2015. The motion was seconded by Commissioner Sansom. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 7. May 2015 Budget Summary and Project Status Expenditure Reports.**



Mr. Crosley presented the Expenditure and Project Status Reports for May of 2015. He asked for questions, there were none.

**ITEM 8.      Delegation of Authority Report.**

Mr. Crosley presented the Executive Director's Delegation of Authority actions and stated that one action was taken from June 5, 2015 through July 7, 2015 and is presented for committee review. He asked for any questions. There were none.

**ITEM 9.      Tentative Budget for FY 2015-2016.**

Mr. Crosley presented the District's tentative FY 2015-2016 Budget for Board review and approval. The tentative budget proposed by staff includes keeping the District's tax millage rate the same as last year's rate of 0.0345. The District has NOT raised the millage rate in over eighteen years. Highlights and discussion from the presentation are below.

Commissioner Sansom asked about the Waterways Assistance Program (WAP) Budget of \$14 million. Mr. Crosley stated that staff is using \$14 million for planning purposes, and that the WAP Budget can always be adjusted in September as needed. The WAP carry-forward budget is \$24 million. He noted that the WAP is approximately 40% of the District's overall budget.

Mr. Crosley stated that the budget for the IWW Broward Deepening Project has been estimated and will be split over several years. He noted that the actual contract bid will be available at the Board's September meeting.

Mr. Crosley stated that the District's GIS is in dire need of updating and staff anticipates advertising a Request for Qualifications (RFQ) this year and has budgeted

accordingly. Commissioner Sansom requested that staff look at the GIS Sea Grant Program.

Mr. Crosley noted that the District is behind on the electronic records management technology and staff has budgeted to hire a consultant to bring the District up to date with this technology. He noted that he and Ms. Zimmerman have been talking to other local governments about their electronic records programs.

Commissioner Dritenbas stated that the District's office in Jupiter is in need of capital improvements that would contribute to a good work environment. Staff is in an old building that needs a lot of help. He noted that the budget should include funding for District office improvements. The office does not meet current workspace requirements and the District needs to address this issue.

Mr. Crosley stated that the proposed tentative budget needs to be approved for advertising to the public. The millage rate cannot be increased after approval today, it can only be lowered. He stated that the process provides an opportunity to lower the tax millage to the "rolled-back rate" before the noticing of the final tax hearing. He stated that the budget can be amended at the two tax hearings that will be held.

Mr. Crosley stated that the District's current meeting schedule calls for the first FY 2015-2016 Tax and Budget Hearing to be held on the evening of Friday, September 11<sup>th</sup> in Palm Beach County, in association with the Board's September 12<sup>th</sup> Board meeting. He stated that the meeting will be held at 5:30 p.m. at the West Palm Beach City Hall, Flagler Gallery, 401 Clematis Street, West Palm Beach, Florida 33401. He stated that the Final Tax and Budget Hearing would then become the stand alone tax hearing in late September.

Commissioner Sansom made a motion to approve the Tentative FY 2015-2016 Budget. The motion was seconded by Commissioner Dritenbas. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed. Commissioner Isiminger voted against the motion. The vote was six yes and one no.

Commissioner Sansom made a motion to approve the FY 2015-2016 Millage Rate of 0.0345. The motion was seconded by Vice-Chair Cuzzo. Chair Blow asked for discussion. Hearing none, a vote was taken and the motion passed. Commissioner Isiminger voted against the motion. The vote was six yes and one no.

**ITEM 19. Additional Agenda Items or Staff Comments.**

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

Ms. Zimmerman stated that staff made a presentation of the District's original 1935 print ad of the "Opening of the Intracoastal Waterway in Florida." to Colonel Dodd (former Commander, USACE Jacksonville District) at his retirement party.

**ITEM 20. Additional Commissioner Comments.**

Chair Blow asked if there were any additional commissioner agenda items or staff comments.

Commissioner Sansom asked that the Washington trip be scheduled for March due to the State Legislative session.

Commissioner Dritenbas thanked Commissioner Williams for last evening's Community Outreach Event.

Chair Blow stated that the Board has been discussing the commissioner's ability to attend Board Meetings from a remote location. He referred to an application called "Go to Meeting" which is a company that provides the ability to attend meetings

remotely for up to 25 attendees at the cost of \$500.00 per year. The Board will need to develop a policy and determine how many times a commissioner can use that remote attendance.

Attorney Breton stated that the Board must have a minimum of six commissioners physically attending every meeting. He also noted that a speaker phone should be used so that everyone can hear all speakers and give commissioners the ability to talk back and forth. He asked for commissioners to consider this option and provide feedback and staff will provide an internal policy draft at the August meeting.

**ITEM 21.     Adjournment.**

Chair Blow stated that hearing no further business the meeting was adjourned at 1:00 p.m.



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**IWW STATUS UPDATE  
FIND Board of Commissioners Meeting  
August 21, 2015**

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**WORK ACTIVITIES IN FY 15:**

1. DMMA O-7 (Martin County)
2. IWW: Broward Reach 1 (Broward County)
3. IWW: St. Augustine and Matanzas (St. Johns County)



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Jacksonville District

## IWW STATUS UPDATE FIND Board of Commissioners Meeting August 21, 2015



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: DMMA O-7

CONTRACT AMOUNT: TBD

DESCRIPTION OF WORK: Finalization of plans and specifications, environmental coordination, procurement and administration of the construction contract for DMMA O-7.

#### SCHEDULE O-7:

Complete Draft P&S:	18 Nov 2015
Final P&S Ready to Advertise:	27 Feb 2016
Contract Advertisement Initiated:	16 March 2016
Bid Opening:	17 April 2016
Contract Award:	19 May 2016
NTP Issued:	20 June 2016
Mobilization Complete:	21 July 2016
Construction Complete:	TBD

FIND WORK ORDER: Funding for completion of P&S will be funded with 100% federal funding. A work order will be presented to the FIND Board in January 2016 to fund construction of DMMA O-7.

NAME OF CONTRACTOR: TBD

STATUS: P&S for DMMA O-7 kicked off on 4 Dec 2014 with the first investigation being a comparison of a bridge vs. utilization of a series of culverts. It has been determined that culverts will be able to pass the flows associated with the 2 drainage ditches on the property. From an environmental standpoint we will proceed with a supplemental EA to address the different impacts that culverts produce vs. bridges. An updated survey will be obtained of the site and it is anticipated that draft plans and specifications will be completed in November 2015. On 6/7 August 2015 a few team members are going back down to the site to address some concerns with the road alignment. It looks like the perpetual easement at the beginning of the road alignment is fixed and cannot be straightened out but the team will look into reducing the height of the profile (need to verify the wetness of the site). Also, based on coordination with the environmental team lead, although we will avoid as many gopher tortoise burrows as possible based on the previous survey dated 2009, we will also look at way to make the road more direct and a design that will minimize future maintenance. Given the time that has lapsed since the 2009 tortoise survey, we may or may not impact more animals. The team will do all possible to minimize impacts but in the end providing FIND with the best road alignment possible since maintenance responsibilities will fall on FIND.



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**IWW STATUS UPDATE  
FIND Board of Commissioners Meeting  
August 21, 2015**



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**2. WORK ACTIVITY: IWW Broward Reach 1 (Broward County)**

**CONTRACT AMOUNT: TBD**

**DESCRIPTION OF WORK:** Development of Plans and Specifications for Broward Reach 1. Corps will move forward with initiation of plans and specifications for this reach, with 100% Federal funding in FY 2016. 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'. 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 TBD. Currently coordinating with the fdep permit coordinator and nepa coordinator to get a better idea of level of effort.

**FIND WORK ORDER:** P&S will be funded 100% with Federal funding in 2016. Dredging will likely be funded with FIND Contributed Funds in 2017.

**NAME OF CONTRACTOR:** TBD, but anticipate dredging will be performed with a Wilmington District dredge.

**STATUS:** First steps will be FDEP permit and associated NEPA. The nearest approved nearshore or offshore disposal is located at Port Everglades (offshore). In order to utilize this offshore disposal option we would need to obtain an FDEP permit and perform the required NEPA documentation. From a FDEP standpoint, it may be applicable to add the IWW reach to the description of the existing Port Everglades permit, after verification of the composition of the material. The Corps will move out on this action once DMMA 0-7 is well underway.



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**IWW STATUS UPDATE  
FIND Board of Commissioners Meeting  
August 21, 2015**




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**3. WORK ACTIVITY: IWW St. Augustine / Matanzas**

**CONTRACT AMOUNT: TBD**

**DESCRIPTION OF WORK:** Development of Plans and Specifications for St. Augustine and Matanzas reach of the IWW. Plan is to combine these two reaches to save in mobilization cost. Corps will move forward with initiation of plans and specifications for these reaches at the first of FY 16 with 100% Federal funding. The first order of business will be to perform a hydro survey to verify amount and location of shoaling. Anticipate utilizing the Corps small business MATOC contracting tool.

**SCHEDULE: (Tentative)**

Complete Draft P&S:	8 January 2016
Final P&S Ready to Advertise:	4 April 2016
Contract Advertisement Initiated:	20 April 2016
Bid Opening:	20 May 2016
Contract Award:	20 June 2016
NTP Issued:	20 July 2016
Mobilization Complete:	20 Aug 2016
Construction Complete:	28 Feb 2017

**FIND WORK ORDER:** P&S will be funded 100% with Federal funding in 2016. Dredging will likely be funded with FIND Contributed Funds mid calendar year 2016. Anticipate a work order for dredging at the March 2016 FIND Board Meeting.

**NAME OF CONTRACTOR: TBD**

**STATUS:** First step will be to obtain an updated hydro survey, verify all environmental documentation and fdep permit.





## INDIAN RIVER COUNTY PROJECT STATUS UPDATE

August 2015

### **Dredged Material Management Plan**

Phase I of the Dredged Material Management Plan (DMMP) for the Intracoastal Waterway in Indian River County was completed in 1997. Phase II of the DMMP was completed in 2002 and all major land acquisition was completed in 2002. *(Please see the attached location maps).*

The 50-year dredging projection for the 24 miles of channel in Indian River County is approximately 318,324 cu/yds and the storage projection is 607,500 cu/yds.

### **Waterway Dredging**

Dredging of IR Reach I was completed in 2015. The USACE contractor (Cavache, Inc.) successfully dredged approximately 302,740 cu/yds. of material from the Intracoastal Waterway (IWW) channel. Since this area had not been dredged for many years, a significant amount of rocks and miscellaneous material (anchors, crab traps, lines, cables, etc.) was also removed from the waterway. The dredged material was placed in Dredged Material Management Area (DMMA) IR-2. The miscellaneous material was hauled away.

### **Dredged Material Management Area Development**

Three upland sites were purchased for Indian River County dredged material management. The construction of DMMA IR-2 was completed by the USACE with Navigation District funding in 2012. DMMA IR-7 and IR-14 have been cleared.

### **Waterways Economic Study**

The Indian River County Waterways Economic Study was completed in 2000 and updated in late 2011. The update found that the waterway related businesses in the county employ 242 people, with salaries of \$10.1 million and a total economic impact of \$44.1 million. Property values were determined to be increased by \$614 to \$724 million by the presence of the ICW channel. There are approximately 10,974 registered vessels in the county. *(Please see the attached economic summary and location map of the businesses).*

**FIND**



## INDIAN RIVER COUNTY PROJECT STATUS UPDATE

August 2015

### **Waterways Assistance Program**

Since 1986, the District has provided \$4.5 million in Waterways Assistance Program (WAP) funding to 56 projects in the County, having a total constructed value of approximately \$18.1 million. The County, the City of Vero Beach, the City of Sebastian, the South Indian River Fire District, and the Sebastian Inlet Tax District have participated in the program. *(Please see attached listing and location map).*

Notable projects funded include: the Environmental Learning Center, the Vero Beach Municipal Marina and Anchorage, Royal Palm Point Park, Wabasso Causeway Park and Boat Ramps, Jungle Trail Shoreline Stabilization, and the ICW/Sebastian Inlet Connection Channel.

### **Cooperative Assistance Program**

The District's Cooperative Assistance Program has provided funding assistance for 32 projects with elements in Indian River County totaling \$1.9 million in District assistance for approximately \$21.1 million worth of constructed projects. These projects include: Florida Marine Patrol Officer Funding; Sebastian Inlet State Park Boat Ramp Dredging, Sebastian Inlet State Park Environmental Enhancements, Manatee Viewing Piers and Canoe Docks at the Sebastian River Buffer Preserve, Sebastian River Muck Removal, and the Indian River Lagoon Boaters Guide.

### **Interlocal Agreement Program**

The District's Interlocal Agreement Program has provided funding assistance for five projects with elements in Indian River County: Clean Marina Program; Clean Vessel Act, and Spoil Island Restoration Projects. The District's funding assistance for the Indian River County portion of these projects was approximately \$36,995.<sup>00</sup>.

### **Waterway Clean Up Program**

The District has partnered with Keep Indian River Beautiful, Inc. for eleven years and the Marine Industry Association of the Treasure Coast for several years on successful waterway clean-up projects in Indian River County.

**FIND**



## INDIAN RIVER COUNTY PROJECT STATUS UPDATE

August 2015

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### **Small-Scale Derelict Vessel Removal Program**

To date, no vessels have been removed in Indian River County through the Small-Scale Derelict Vessel Removal Program. However, the District funded an emergency derelict vessel removal in IRC through WAP in 2007, and staff has been in talks with the County to remove one identified derelict vessel.

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### **Small-Scale Spoil Island Enhancement and Restoration Program**

Spoil Islands IR-36, IR-10, and Prange Conservation Islands have been improved through the Small-Scale Spoil Island Enhancement and Restoration Program projects. Funding assistance has been provided to FDEP for a new boat motor to transport volunteers to spoil island restoration projects. These cooperative projects were accomplished with FDEP and the County and totaled \$25,500.<sup>00</sup> in District funding.

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### **Public Information Program**

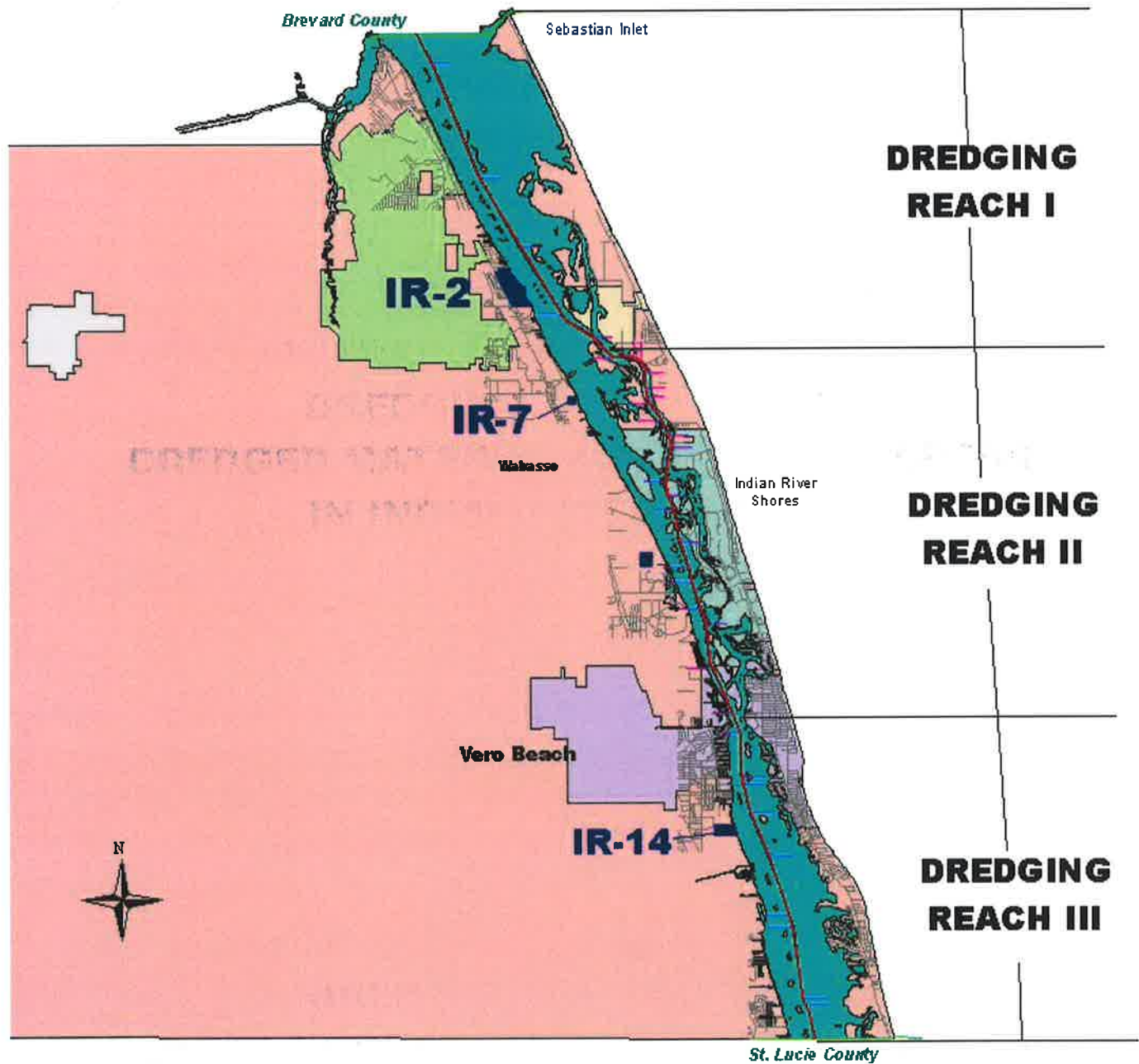
The District currently prints and distributes the following brochures with specific information about Indian River County Waterways: the Economic Impact of Indian River County Waterways, Spoil Islands of Indian River County, and Indian River County Boating Safety and Manatee Protection Zones.

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**FIND**

# INTRACOASTAL WATERWAY DREDGING REACHES AND DREDGED MATERIAL MANAGEMENT AREAS IN INDIAN RIVER COUNTY



Page 13





Page 14



 FIND Owned  
 Channel  
 ICW Right-of-Way

**DMMA IR-2**



**DMMA IR-2**

**Legend**

IR-2

5

Patricia Ln  
Queen St  
Allen Blvd  
Alisa Dr  
Phyllis Dr  
Edward Dr  
Clifford St  
Mark Allen Dr  
Jimmy St  
Richard St  
Carleen St  
Billy 111 Ave  
Billy Allen Jr St

Industrial Park Blvd  
Essex Ln

IR-2

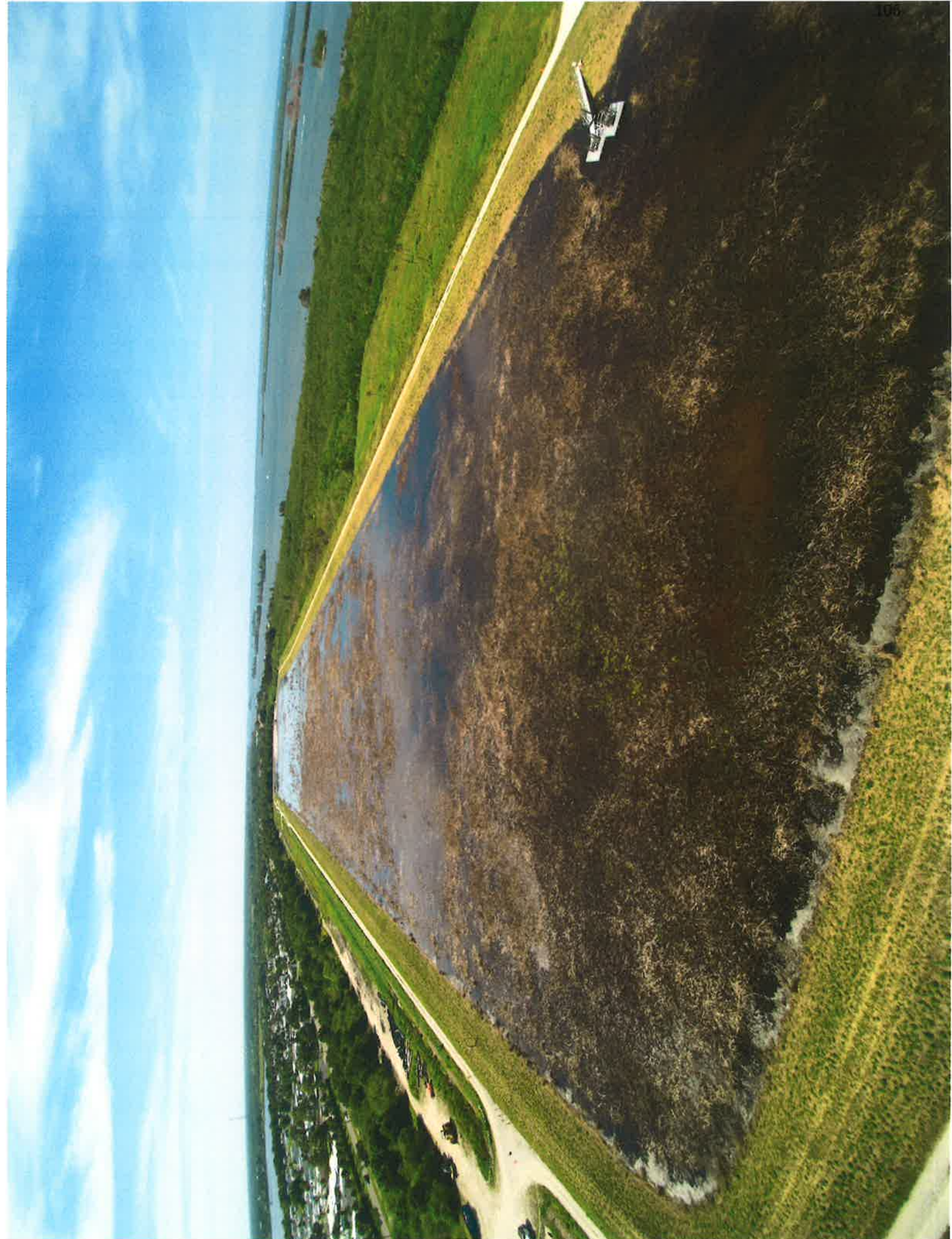


1000 ft

Google earth

© 2015 Google







Page 15



 FIND Owned  
 Channel  
 ICW Right-of-Way

**DMMA IR-7**





DMMA IR-7A

Legend  
IR-7A

Google earth

©2015 Google

800 ft

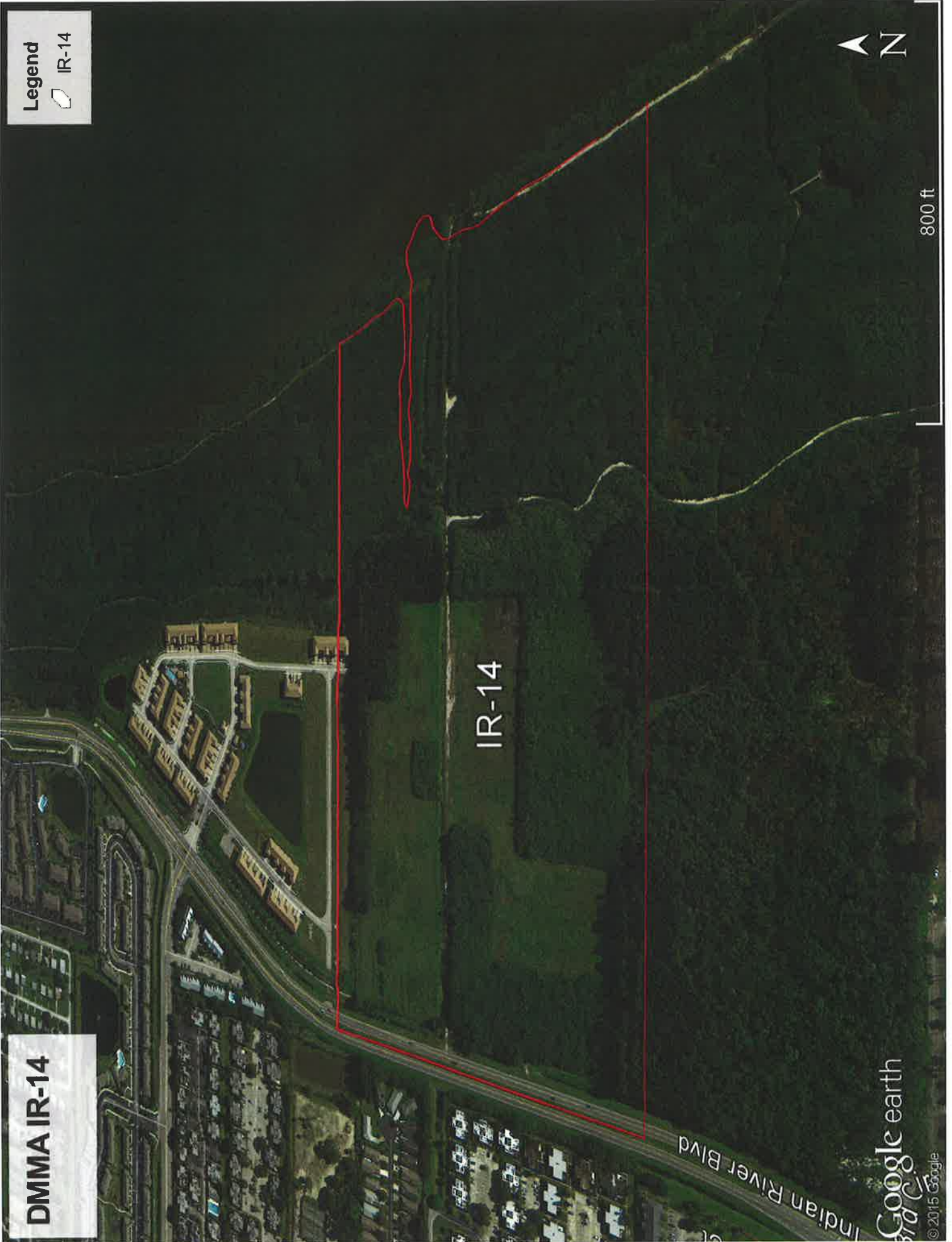


 FIND Owned  
 Channel  
 ICW Right-of-Way

**DMMA IR-14**







DMMA IR-14

Legend  
IR-14

IR-14

Indian River Blvd

Google earth  
© 2015 Google



800 ft

# ECONOMIC BENEFITS OF THE DISTRICT'S WATERWAYS



## Purpose

To update economic benefits in Indian River County of marine-related activities on the District Waterways, as previously estimated in *An Economic Analysis of the District's Waterways in Indian River County*, June 2001, 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

- \$44.1 million in business volume
- \$10.1 million in personal income
- 242 jobs
- \$1.2 million in tax revenue

### Impacts of Cessation of Waterways Maintenance

- Decrease of \$14.3 million in business volume
- Decrease of \$3.1 million in personal income
- Decrease of 77 jobs
- Decrease of \$0.5 million in tax revenue

### Impacts of an Increase in Waterways Maintenance

- Increase of \$1.2 million in business volume
- Increase of \$0.4 million in personal income
- Increase of 12 jobs
- Increase of \$0.1 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 Indian River County economy could not be estimated.

Economic Benefits as of April 2011

INDIAN RIVER COUNTY



# ECONOMIC BENEFITS OF THE DISTRICT'S WATERWAYS

## 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 June 2001 in *An Economic Analysis of the District's Waterways in Indian River County*.

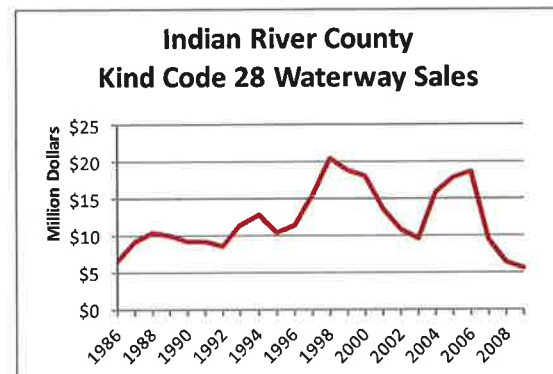
## Updating of Previously Estimated Benefits

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 Indian River County prevented the development of an estimate of the recession. As illustrate in the graph below, FDOR reported gross sales data for boat dealers fluctuated widely from \$6.5 million in 1986 to \$20.4 million in 1998 to \$5.4 million in 2009. As a result, the impact of the recession on the Indian River County economy could not be estimated.



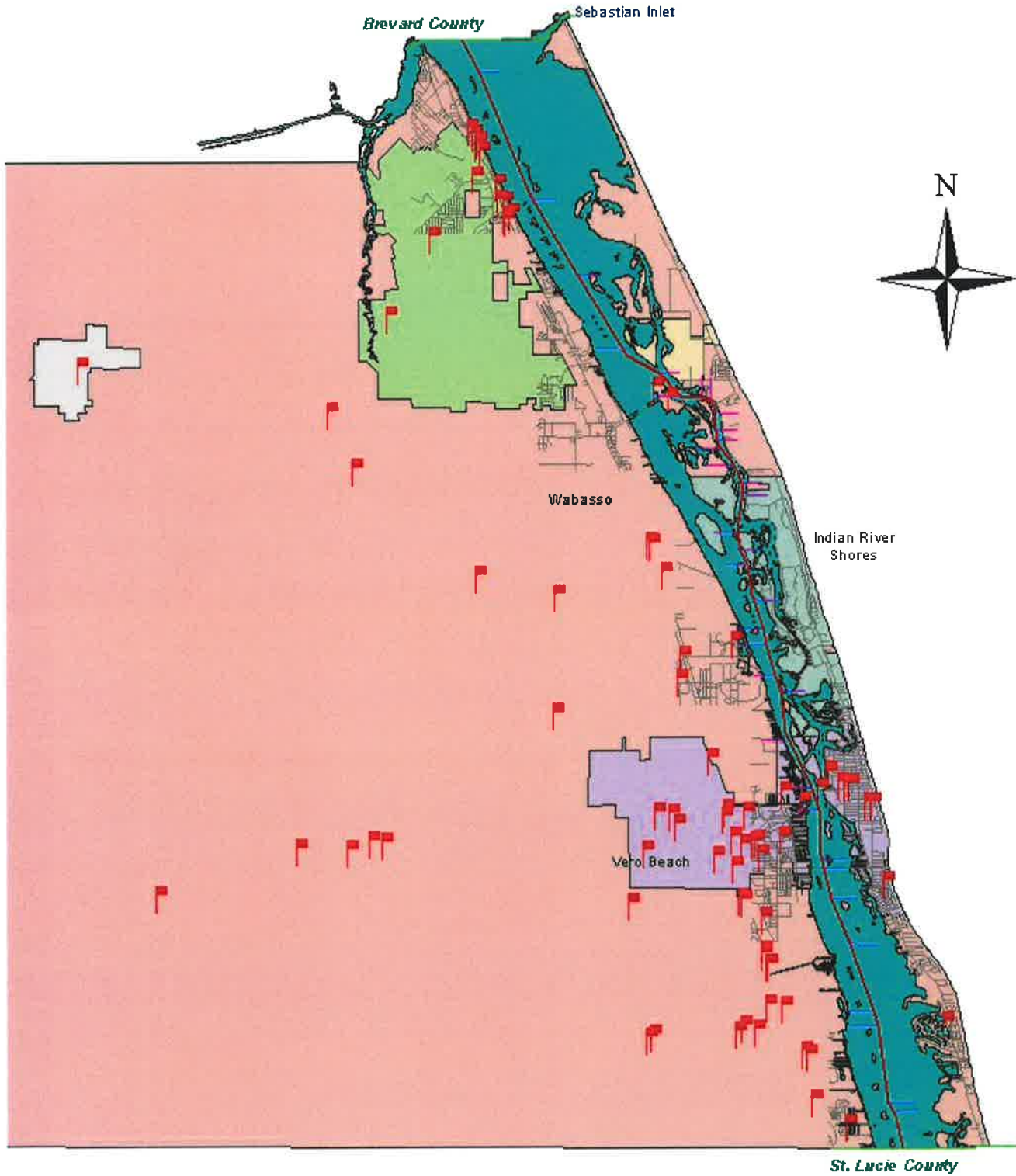
## Annual Boater Spending on Gas, Food, and Drinks at Non-Marine-Related Establishments

- 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: 10 feet MLW





- Businesses.shp
- Indian River ICNWW
- Indian River Base map
- Survey Control
- County Line
- Roads
- Edge of Water
- Cities**
- FELLSMERE
- INDIAN RIVER SHORES
- ORCHID
- SEBASTIAN
- UNINCORPORATED
- VERO BEACH

# LOCATION MAP Indian River County Marine related Businesses

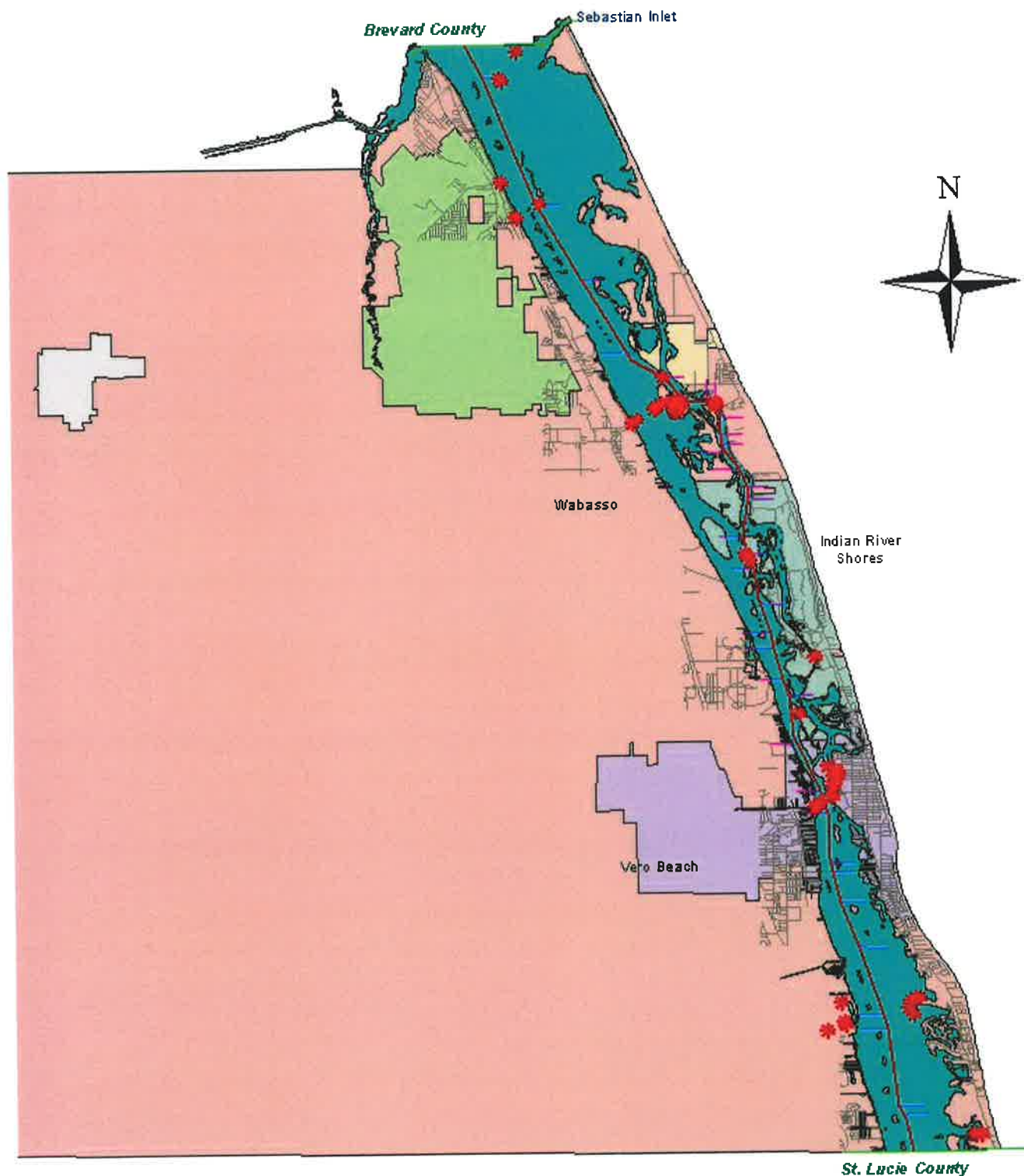
**WATERWAYS ASSISTANCE PROGRAM PROJECTS  
INDIAN RIVER COUNTY  
1986-2014**

Project Name	Project Number	Project Sponsor	Grant Amount	Total Cost
Jungle Trail Shoreline Stabilization - Phase I	IR-00-31	Indian River County	\$13,000	\$26,000
Law Enforcement Patrol & Rescue Vessel	IR-01-32	Indian River County	\$34,478	\$68,956
Jungle Trail Shoreline Stabilization - Phase II	IR-03-36	Indian River County	\$76,300	\$152,600
Patrol & Rescue Vessel Engine Replacement	IR-03-37	Indian River County	\$6,233	\$12,467
Jungle Trail Shoreline Stabilization - Phase II - A	IR-05-39	Indian River County	\$73,700	\$147,400
Derelict Vessel Removal - Indian River County Waterways	IR-07-40ER	Indian River County	\$25,000	\$50,000
Oslo Road Public Boat Ramp	IR-08-42	Indian River County	\$87,500	\$175,000
E.L.C. - Education Exhibits, Aquaria & Signage	IR-09-44	Indian River County	\$175,000	\$350,000
Lagoon Greenway - Phase B-2	IR-12-53	Indian River County	\$156,000	\$312,000
Joe S. Earman Island Park	IR-1	Indian River County	\$21,320	\$42,640
Lagoon Greenway	IR-10-47	Indian River County	\$17,845	\$35,690
Wabasso Causeway Park Improvements	IR-88-3	Indian River County	\$100,000	\$250,000
Wabasso Causeway Dredging	IR-88-4	Indian River County	\$40,000	\$80,000
Environmental Learning Center	IR-90-7	Indian River County	\$175,000	\$175,000
Round Island Park Improvements	IR-91-9	Indian River County	\$130,000	\$300,000
Environmental Learning Center	IR-92-11	Indian River County	\$30,000	\$60,000
Environmental Learning Center	IR-93-12	Indian River County	\$30,000	\$60,000
Dev Of Educ Opp& Res Pot. For Oslo Riverfront- Phase I	IR-93-14	Indian River County	\$3,650	\$7,300
Environmental Learning Center	IR-94-15	Indian River County	\$73,926	\$273,510
Round Island Park - Phase II	IR-94-16	Indian River County	\$57,650	\$112,100
Pelican Island Nat'l Wildlife Refuge Sign & Brochure	IR-94-17	Indian River County	\$11,500	\$17,000
Intracoastal Waterway Waterfront Improvements	IR-95-18	Indian River County	\$17,265	\$17,265
Oslo Riverfront Conservation Area - Phase II	IR-95-19	Indian River County	\$90,600	\$192,100
Environmental Learning Center Computers & Lighting	IR-96-20	Indian River County	\$43,933	\$43,933
Wabasso Causeway Park Improvements	IR-98-24	Indian River County	\$22,000	\$45,020
Wabasso Causeway Park Improvements - Phase I I	IR-99-26	Indian River County	\$120,000	\$527,067
Navigation Channel Dredging	IR-99-27	Indian River County	\$30,000	\$50,000
Marine Enforcement Program	IR-99-28	Indian River County	\$28,000	\$37,334
Jones's Pier Waterfront Improvements	IR-13-55	Indian River County	\$15,000	\$30,000
Head Island Improvements	IR-14-57	Indian River County	\$35,750	\$143,000
Fire Rescue Equipment and Fire Rescue Boat	IR-FD-88-5	So. Indian River Fire District	\$11,100	\$25,000
Fire Rescue Boat Dock	IR-FD-88-6	So. Indian River Co. Fire Distri	\$7,000	\$15,550
Waterway Boating Safety Program	IR-IRS-00-30	Indian River Shores	\$41,016	\$54,690
Sebastian Indian River Waterway Enhancement - Phase A	IR-SE-00-29	City Of Sebastian	\$170,000	\$425,000
Waterway Boating Safety Program	IR-SE-02-34	City Of Sebastian	\$25,000	\$50,000
Main Street Boat Ramp Trailer Parking Acquisition	IR-SE-07-41	City Of Sebastian	\$487,532	\$1,527,357
Main Street Dock & Boat Ramp Repairs	IR-SE-98-23	City Of Sebastian	\$62,000	\$125,000

**WATERWAYS ASSISTANCE PROGRAM PROJECTS  
INDIAN RIVER COUNTY  
1986-2014**

Project Name	Project Number	Project Sponsor	Grant Amount	Total Cost
Sebastian Working Waterfront	IR-SE-13-54	City Of Sebastian	\$157,350	\$314,700
Channel Extension To I.C.W. - Phase I ( Expired)	IR-SI-02-35	Sebastian Inlet Tax District	\$63,121	\$179,384
Coconut Point Shoreline Stabilization - Phase I	IR-SI-10-48	Sebastian Inlet District	\$36,000	\$72,000
Sebastian Inlet Multi- User Pier	IR-SI-10-49	Sebastian Inlet District	\$136,750	\$273,500
Link Sebastian Inlet Navigation Channel to ICW	IR-SI-92-10	Sebastian Inlet Tax District	\$156,000	\$236,000
Vero Beach Marina Improvements	IR-VB-01-33	City Of Vero Beach	\$100,000	\$200,000
Vero Beach Marina South Dock Improvements	IR-VB-03-38	City Of Vero Beach	\$49,000	\$98,000
City Marina South Complex	IR-VB-08-43	City Of Vero Beach	\$378,075	\$756,150
City Marina Dry Storage Re-rack	IR-VB-09-45	City Of Vero Beach	\$41,000	\$82,000
City Marina South Complex - Part 2	IR-VB-09-46	City Of Vero Beach	\$207,935	\$4,600,000
Mac William Park Boat Ramps Reconstruction - Phase I	IR-VB-10-50	City Of Vero Beach	\$15,000	\$30,000
City Marina South Complex - Part 3	IR-VB-10-51	City Of Vero Beach	\$172,790	\$3,622,790
Mac William Park Boat Ramp Reconstruction	IR-VB-11-52	City Of Vero Beach	\$175,000	\$350,000
Restroom Addition to Riverhouse Ph I	IR-VB-14-56	City Of Vero Beach	\$7,500	\$15,000
Moorings & Navigational Aids	IR-VB-87-2	City of Vero Beach	\$20,642	\$41,283
Municipal Marina	IR-VB-91-8	City Of Vero Beach	\$30,000	\$249,650
Law Enforcement Patrol/ Rescue Boat	IR-VB-93-13	City Of Vero Beach	\$16,280	\$57,220
Royal Palm Pointe Project	IR-VB-97-21	City Of Vero Beach	\$50,000	\$100,000
Royal Palm Pointe Project - Phase I I	IR-VB-98-22	City Of Vero Beach	\$145,000	\$700,000
Vero Beach Marina Improvements - Phase I	IR-VB-99-25	City Of Vero Beach	\$53,000	\$150,000
<b>TOTALS</b>			<b>\$4,554,741</b>	<b>\$18,143,656</b>





- Wapiti
- Indian River ICWW
- Indian River Base map
- Survey Control
- County Line
- Roads
- Edge of Water
- Cities**
- FELLSMERE
- INDIAN RIVER SHORES
- ORCHID
- SEBASTIAN
- UNINCORPORATED
- VERO BEACH

## LOCATION MAP

### Indian River County

### Waterways Assistance Program Projects

## Weaver, Robert



## Contact Information

Robert Weaver  
Assistant Professor  
Marine and Environmental Systems  
Edwin A. Link Building, 205  
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Email: [rjweaver@fit.edu](mailto:rjweaver@fit.edu)

## Web & Social Networking

[LinkedIn](#)

## Keywords

Coastal Engineering, storm surge, hurricane, ADCIRC, 3D, numerical modeling, hydrodynamic

## Assistant Professor of Ocean Engineering Marine and Environmental Systems

## Personal Overview

Dr. Weaver joined Florida Tech in August 2011 after working for three years as a post-doctoral research assistant at the University of North Carolina at Chapel Hill, Institute of Marine Sciences. While at UNC-CH IMS, he worked on coastal circulation projects including prediction of hurricane storm surge, tracking surface particles from the Deepwater Horizon Blowout, and 3D model development. From 2006-2008, he worked for URS Corps developing methodology for establishing flood levels for FEMA FIRM's. In 2007 he founded a non-profit corporation whose mission is to encourage environmentally sound engineering, business and development practices. His areas of research and expertise include coastal flooding, coastal transport, water quality, 2D and 3D circulation modeling, and littoral processes.

## Educational Background

Ph.D. Coastal and Oceanographic Engineering, 2008, University of Florida, Dept. Civil and Coastal Engineering

M.S. Coastal and Oceanographic Engineering, 2004, University of Florida, Dept. Civil and Coastal Engineering

University Stuttgart, 1999

B.S. Mathematics (MINOR Physics), 1999, University of North Carolina at Greensboro

## Recognition & Awards

AAUS Certified 2008-2011 UNC-CH IMS

NAUI DiveMaster Cert.

Sigma Pi Sigma, Pi Mu Epsilon

## Current Courses

OCE 3030 Fluid Mechanics

OCE 3521 Hydromechanics / Wave Theory

OCE 4523 Coastal Engineering: Processes

OCE 4563 Port & Harbor Design

OCE 5525 Coastal Processes & Engineering

OCE 5563 Port & Harbor Engineering

ENS 3911 / 4911 Environmental Field Projects

## Professional Experience

Post-Doctorate Researcher, 2008-2011, University of North Carolina IMS

Research Intern, 2006-2008, URS Corps.

## Additional Duties

Research in coastal circulation or nearshore hydrodynamics

Founder/CEO of Engineering for the Earth, a 501(c)(3) non-profit organization which promotes sustainable design, building and engineering practices (2007-present)

## Current Research

3D hydrodynamics and development and validation of 3D capabilities in ADCIRC

Design of a modular instrumentation mount for shallow water survey vehicles

Phytoremediation of eutrophic waters in coastal lagoons

## Selected Publications

- J.C. Dietrich, C.J.Trahan, M.T.Howard, J.G.Fleming, **R.J.Weaver**, S.Tanaka, L.Yuf, R.A. Luettich Jr., C.N.Dawson, J.J.Westerink, G.Wells, A.Lu, K.Vega, A.Kubach, K.M.Dresback, R.L. Kolar, C.Kaiser, R.R.Twilley, (2012). "Surface Trajectories of Oil Transport along the Northern Coastline of the Gulf of Mexico", Continental Shelf Research
- Eggleston, D., Haase, A., Luettich, R., **Weaver, R.**, Puckett, B. J. (2012). "Estuarine Circulation and Predicted Oyster Larval Dispersal Among a Network of Reserves", Estuarine, Coastal and Shelf Science
- **Weaver, R. J.** and Luettich, R. A. (2010). "2d vs. 3d storm surge sensitivity in ADCIRC: Case study of hurricane Isabel." Proc. Estuarine and Coastal Modeling.
- Kennedy, A. B., Gravois U., Zachry, B., Luettich, R., Whipple, T., **Weaver, R.**, Fleming, J., Chen, Q., Avissar, R. (2010) "Rapidly Installed Temporary Gauging for Waves and Surge during Hurricane Gustav." Continental Shelf Research
- **Weaver, R. J.** and Slinn, D. N. (2010). "Influence of bathymetric fluctuations on coastal storm surge." Coastal Engineering.
- Niedoroda, A. W. , Hatchet, L., Das, H., Cox, A., **Weaver, R.**, Baig, S. and Saiffe, S. (2007)., The Hurricane Katrina Storm Surge in Mississippi, ASCE Coastal Sediments 07, New Orleans, L.A., USA
- **Weaver, R. J.** and Slinn, D. N. (2006)., Real-Time and Probabilistic Forecasting System for Waves and Surge in Tropical Cyclones, Proceedings of the 30th International Conference on Coastal Engineering, San Diego, CA., USA
- **Weaver, R. J.** and Slinn, D. N. (2004)., Effect of Wave Forcing on Storm Surge, Proceedings of the 29th International Conference on Coastal Engineering, Lisbon, Portugal

## EXHIBIT A1

### **Assessment of muck movement, discharge water quality and biological impacts at FIND Dredging Site IR-1: Sebastian River to Wabasso Bridge**

***Robert J. Weaver, John H. Trefry, Charles R. Bostater Jr., Jonathan Shenker and Kevin B.  
Johnson, Florida Institute of Technology***

***Coraggio Maglio, U.S. Army Corps of Engineers***

#### Scope of Work

Researchers at FIT IRLRI working with USACE propose to evaluate the impacts of navigational dredging on muck movement, water quality and local biota. Each component of the proposed project is detailed in the sections below. The co-PI's outline the tasks, project timelines and deliverables. The work will take place over an 8 month time period starting in November. Samples will be taken pre, during and post dredging. Sampling will continue after the completion of dredging to help determine the movement of muck and recovery of the biota. The project will be a collaborative effort of the IRLRI at FIT working with the USACE, and the results will be collected and analyzed in a final report.

#### **Management:**

The project will be managed by PI Weaver, who will be responsible for tracking the progress of the three components. This includes serving as the liaison between FIT, USACE and FIND.

The deliverables for this component will be updates to the FIND staff and the final project summary report, which will include reports from each of the three components.

#### **Component 1: Fluid Mud/Muck Movement & Migration**

PI: Bostater

The goals of this project component are to (1) measure *in-situ* movement (horizontal and vertical) at 4 transects across a waterway (including the shallow water areas on either side) using passive mass flux boundary layer measurement techniques developed by Bostater, 2014 and (2) collect bathymetry related data at the transects using acoustic, optical (in-situ and surface

imaging), turbidity (mass & NTU). Tasks to be conduct are shown below and a separate table of activities is provided.

The PI will work with the USACE for site access and to identify the timing of the sampling. The measurements of the movement of muck will be supplemented by mapping done as part of the USACE contribution to identifying existing muck volumes.

**Tasks:**

1. Determine pre, operational, and post muck & fluid mud movement ( $\text{mg cm}^{-2} \text{ sec}^{-1}$ ) across 4 transects in the intercostal waterway channel into using science and engineering based rheological probes. This task will involve deployments of flux measuring probes to assess mass flux and particle/floc) related motion (rheology). Task will include sampling and lab analyses.
2. Imaging (in-situ and surface water) of the dredge site and transects for comparison to in-situ flux data.
3. Data analysis to determine effectiveness and efficiency of selective shallow water muck removal and fluid mud in terms of mass flux (transport/movement) measurements. Particle flux reduction is anticipated and from the project, and this analysis will seek to quantify the reduction in mass flux terms.
4. Document in a scientific paper (the deliverable) methods used and to assess the results and associated benefits of waterway dredging of IRL muck and fluid mud from shallow waterways. This report should become invaluable for helping in future permit information needs and requirements.

A schedule of activities is shown in the attached table. It is assumed that a fixed price contract for project duration of 8 months will allow the full completion of this project component. The proposed start date is the end of October, 2014.

**Component 2: Removal Efficiency for Fine-Grained Sediment and Nutrients during Dredging and Dewatering in the Indian River Lagoon, Reach 1**

PI: Trefry

The proposed study will seek to answer the following question: Are fine-grained sediments and dissolved nutrients returned to the lagoon during dewatering and reintroduction of excess water from the Dredge Material Management Area (DMMA)?

The PI will work with the USACE for site access and to coordinate sampling during the pumping events. Additionally the USACE will provide flow data in order to calculate the nutrient flux into/out of the DMMA.

### Tasks:

Samples of water and suspended particles will be collected in triplicate during four occasions at the following locations along the Reach 1 dredge site:

- (1) In the IRL near active dredging operations.
- (2) At the upstream inflow to the DMMA.
- (3) In the return outfall to the IRL from the DMMA.

Water will be filtered within a few hours of collection through 0.4  $\mu\text{m}$  filters and analyzed for the following parameters:

Salinity, pH, dissolved  $\text{O}_2$ , total suspended solids, dissolved phosphate, dissolved ammonia and nitrate-nitrite, dissolved organic carbon, dissolved iron, manganese, sulfate and sulfide, as well particulate Al, Si, Fe, organic carbon, nitrogen and phosphorus.

#### Bostater PI Fluid Mud Movement & Flux

Month	October	November	December	January	February	March	April	May	
Weeks:	3 & 4	1 & 2	3 & 4	1 & 2	3 & 4	1 & 2	3 & 4	1 & 2	3 & 4
Activities									
Station & Transect Selection	x	x							
Flux Measurements		x	x	x	x	x			
Acoustic Bathymetry Imaging		x	x	x	x	x			
Ins-situ/Surface imaging	x		x	x	x				
GIS Mapping of Data						x	x	x	x
Continuous Acoustic Imaging			x		x				
Turbidity Sampling		x	x	x	x	x			
Lab & Sample Analysis			x	x	x	x	x	x	x
Data Management					x	x	x	x	
Data Analysis & Publication								x	x
Monthly Status Reports			x	x	x	x	x	x	

We also will analyze 8-10 samples of the high-water content solids from the DMMA to determine concentrations of the dissolved and particulate parameters listed above plus sulfur and grain size.

These data will be used to evaluate the overall efficiency of the dewatering and water discharge processes at the DMMA by comparing data for the IRL, the inflow to the DMMA and the outflow from the DMMA. A project report with data and graphics in support of the research question will be provided within 6 months after completion of sampling.

### **Component 3: Assessment of Biological Impacts of Water Discharge from the IR-2 Placement Area, Wabasso, FL.**

PI: Shenker and Johnson

We propose to evaluate the impact of water discharge from the IR-2 dewatering pond on seagrasses in the Lagoon and on the juvenile fish production in the region. This effort builds upon similar seagrass/fish surveys planned for the Brevard County/FIT program studying the impact of muck dredging in the Sykes Creek region of the Lagoon. It includes an expansion of a planned graduate student study of seagrass/fish dynamics just across the IRL in the Pelican Island National Wildlife Refuge.

#### **Objectives:**

- Compare seagrass distributions near the pond discharge site before and after dredging. The time frame should include the period of maximum water discharge.
- Compare seine surveys of juvenile fishes in seagrass and sand substrate habitats near the pond discharge site before and after dredging.

#### **Methods:**

- Seagrass surveys will be conducted using traditional transect and quadrat methods, enhanced with high-resolution aerial surveys with a DJI Phantom 2 Vision+ drone.
- Fish surveys will be conducted using standardized seine techniques as designed by the Florida Fish and Wildlife Conservation Commission.
- Plume mapping will be conducted with a tethered blimp/camera system, the DJI drone, and coupled with ground-truth surveys



The PI's will work with the USACE for site access and to optimize the sampling period during dredging.

**Tasks:**

Sampling activities will be conducted in three episodes: before, during, and after dredging activity. A sampling episode will take from 1-3 days. For each sampling episode, replication will be as follows:

- Standard Seagrass Transects: n=3 (9 total transects, location to be determined based upon SAV report from ACOE)
- Drone Biological Surveys: n=5 (15 total, randomly flown grid)
- Drone Plume Surveys: n=5 (15 total, randomly flown grid)
- Fish Seining: n=5 (15 total seine hauls)

**Deliverable:**

Final biological report will be ready 90 days after cessation of dredging activity.

**Budget:**

Total Projected Cost:	\$152,727
Requested from FIND:	\$ 69,427
FIT Match:	\$ 68,300
USACE Match:	\$ 15,000

This collaborative project between FIND, FIT and USACE will investigate the impacts of navigation dredging on the sediment, nutrient and biological characteristics of the IRL. Total cost of the proposed study is \$152,727 and includes \$83,300 in matching funds [i.e., \$69,427 from FIND, \$68,300 from FIT and \$15,000 from the USACE]. Costs include supplies, equipment, sampling, analysis, data interpretation and preparation of a final report. Funds requested from FIND will support PI and graduate student time (\$42,371 with fringe and indirect cost and tuition support), \$27,054 for equipment and supplies, as well as funds to cover travel to and from study site. Cost-sharing by FIT includes PI and graduate student time (\$44,620 with

fringe and indirect cost), student tuition (\$7,380), plus matching funds of \$16,300 toward purchase of a new Leco C, N, S (carbon, nitrogen, sulfur) analyzer (total cost of the analyzer is \$79,000; remaining funds have been pooled from other projects and additional support from FIT) and the acquisition of a blimp/camera as well as one of the two DJI Phantom 2 Vision+ drones proposed to be used for the seagrass monitoring.

# FLORIDA INLAND NAVIGATION DISTRICT



To: Commissioners  
 From: Mark Crosley, Executive Director *MC*  
 Date: July 9, 2015

## COMMISSIONERS

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 DIRECTOR

Subject: Five-Year Dredging & DMMA Development Plan 2015

Staff has updated the District's Five-Year Dredging and Dredged Material Development Area (DMMA) Plan. This planning document is utilized to give staff guidance over the next five years for expected significant capital improvement projects that will need to occur to keep the Intracoastal Waterway maintained at optimum conditions.

As with any plan or schedule, this document is subject to change. Typical changes would likely result from varying waterway and DMMA site conditions, funding availability, other opportunities, and priorities.

This five-year plan is presented for review and discussion. In support of this document is an inventory of our public facilities, as required by law, and our engineer's preliminary analysis of the District's overall dredging and site construction needs.

Please contact me if you have any questions or need additional information.

**Intracoastal and Okeechobee Waterway  
Dredging and Dredged Material Management Area Development  
5 Year Schedule**

<b>Fiscal Year</b>	<b>Project &amp; Primary</b>	<b>Phase</b>	<b>Estimated FIND Cost</b>	<b>Notes:</b>
<b>2015-2016</b>	??	??	??	<b>Potential project scheduled by opportunity</b>
	NASSAU REACH I AIWW - FIND	Plans & Specs, Permit	\$ 175,000	DMMA NA-1 Completed
	DMMA DU-9 - FIND	Permitting	\$ 135,000	Ongoing
	ST. AUGUSTINE IWW - USACE	P & S, Dredging	\$ 2,700,000	Work Order Forthcoming
	MATANZAS IWW - USACE	P & S, Dredging	\$ 2,300,000	Work Order Forthcoming
	DMMA SJ-20A - FIND	P & S, Permitting	\$ 125,000	Ongoing
	DMMA FL-3 - FIND	Construction	\$ 1,500,000	Ongoing (60%+ disbursed)
	DMMA BV-4B - FIND	Construction	\$ 2,300,000	Forthcoming (1st year costs)
	DMMA BV-24A - FIND	Permitting	\$ 160,000	Ongoing (2-yr project)
	ST. LUCIE REACH I - FIND	Dredging	\$ 2,200,000	Forthcoming
	CROSSROADS DREDGE & SETTLING BASIN - FIND	P & S, Permitting	\$ 275,000	Pending
	DMMA O-7 - USACE	Plans & Specifications	\$ -	Ongoing
	PB REACH III DEEPENING - FIND	Dredging	\$ 2,500,000	Forthcoming
	MSA 726 (Exchange Club Park) - FIND	Construction	\$ 1,000,000	Forthcoming
	BROWARD REACH I - USACE	Plans & Specifications	\$ -	Ongoing/Resource Issues
	BROWARD RCH III DEEPEN - FIND	Dredging	\$ 10,000,000	Forthcoming (1st year costs)
	DMMP UPDATES (2) - FIND	Study	\$ 210,000	Underway
		<b>SUBTOTAL</b>	<b>\$ 25,580,000</b>	
<b>2016-2017</b>	NASSAU REACH I - FIND	Dredging	\$ 1,500,000	Follows P/S & Permitting
	ST. AUGUSTINE IWW - USACE	Dredging	\$ -	Ongoing
	MATANZAS - USACE	Dredging	\$ -	Ongoing
	PONCE INLET IWW - USACE	P & S, Permitting	\$ 320,000	
	DMMA BV-11 - FIND	Plans & Specs, Permitting	\$ 260,000	
	DMMA BV-4B - FIND	Permitting	\$ 2,000,000	Ongoing (2nd year costs)
	CROSSROADS DREDGE & SETTLING BASIN - FIND	Dredging	\$ 2,500,000	Follows P/S & Permitting
	JUPITER INLET IWW - USACE	P&S, Dredging	\$ 2,300,000	
	DMMA M-8 - FIND/USACE?	Plans & Specs, Permitting	\$ 265,000	
	DMMA O-7 - USACE	Construction	\$ 2,300,000	Follows E/D Phase II
	OWW REACH III - FIND/USACE?	Permitting	\$ 200,000	Based on O-7 progress
	PB REACH IV DEEPENING - FIND	Plans & Specs, Permitting	\$ 260,000	Resource Issues
	BROWARD REACH I - USACE	Plans & Specs, Permitting	\$ 20,000	Ongoing
	BROWARD RCH III DEEPEN - FIND	Dredging	\$ 10,000,000	Ongoing (2nd year costs)
	BAKER'S HAULOVER IWW - USACE	P&S, Dredging	\$ 1,700,000	
	NEARSHORE DISPOSAL - USACE	Permitting	\$ 250,000	Forthcoming
	DMMP UPDATES (2) - FIND	Study	\$ 175,000	Ongoing
		<b>SUBTOTAL</b>	<b>\$ 24,050,000</b>	

**Intracoastal and Okeechobee Waterway  
Dredging and Dredged Material Management Area Development  
5 Year Schedule**

<b>Fiscal Year</b>	<b>Activity</b>	<b>Phase</b>	<b>Estimated Cost</b>	<b>Notes:</b>
<b>2017-2018</b>				
	SAWPIT IWW - USACE	P & S, Dredging	\$ 4,100,000	Beach placement
	DMMA DU-9 - FIND	Plans & Specs	\$ 90,000	Continuing
	FLAGLER REACH 1 - FIND	Permitting, P & S	\$ 310,000	Follows comp. of DMMA FL-3
	PONCE INLET IWW - USACE	Dredging	\$ 6,200,000	Offload MSA 434
	DMMA BV-4B - FIND	Construction	\$ 3,200,000	
	DMMA BV-11 - FIND/USACE?	Permitting, P & S	\$ 325,000	
	DMMA BV-24A - FIND	Engineering, P & S	\$ 345,000	
	DMMA M-8 - FIND/USACE?	Construction	\$ 5,100,000	
	OWW REACH IV - FIND/USACE?	Permitting, P & S	\$ 290,000	Follows O-7 DMMA completion
	OWW ROUTE 1 AND 2	E/D	\$ 80,000	
	DMMA HD-1	E/D	\$ 150,000	OWW DMMA
	DMMA LT-4A	E/D	\$ 150,000	OWW DMMA
	PALM BEACH REACH IV	E/D & Permitting	\$ 120,000	
	BROWARD REACH I - USACE	Dredging	\$ 2,300,000	
	DMMP UPDATES (2) - FIND	Study	\$ 175,000	Ongoing
		<b>SUBTOTAL</b>	<b>\$ 22,935,000</b>	
<b>2018-2019</b>				
	DMMA DU-9 - FIND	Construction	\$ 4,300,000	Dredging follows site constr.
	DMMA BV-11 FIND	Construction	\$ 3,250,000	
	DMMA BV-24A - FIND	Construction	\$ 4,200,000	
	DMMA IR-14 - USACE	Permitting, P & S	\$ 410,000	
	DMMA M-8 - USACE	Construction	\$ 4,750,000	
	DMMA O-23 - USACE	Permitting, P & S	\$ 350,000	
	JUPITER INLET IWW - USACE	Permitting, P & S	\$ 190,000	
	OWW ROUTE II - FIND	Permitting, P & S	\$ 2,000,000	Cooperative proj. w/PBC?
	OWW REACH IV - FIND/USACE?	Dredging	\$ 1,500,000	Exemption/RGP
	BAKERS HAULOVER IWW - USACE	Permitting, P & S	\$ 110,000	Every 2-3 years
	DMMP UPDATES (2) - FIND	Study	\$ 175,000	Ongoing
		<b>SUBTOTAL</b>	<b>\$ 21,235,000</b>	
<b>2019-2020</b>				
	DMMA DU-20 - FIND	Permitting, P & S	\$ 286,000	To dredge DU Reach II & III
	MATANZAS - USACE	P & S, Construction	\$ 4,300,000	SJ-1 offload?
	DMMA FL-12 - FIND	Permitting, P & S	\$ 275,000	
	DMMA BV-R - USACE	Permitting, P & S	\$ 260,000	
	DMMA V-25 - FIND	Groundwater Modeling	\$ 380,000	Inland site w/ adj. development
	DMMA V-22A - FIND	Permitting, P & S	\$ 280,000	
	BREVARD RCH 1 (Haulover) - FIND	Permitting, P & S	\$ 296,000	Material to BV-2C
	DMMA IR-14 - USACE	Construction	\$ 4,100,000	
	CROSSROADS IWW - FIND	Permitting, P & S	\$ 425,000	Offload DMMA M-5
	OWW ROUTE 2 - FIND	Dredging	\$ 2,000,000	Cooperative proj. w/PBC?
	JUPITER IWW - USACE	P & S, Construction	\$ 2,000,000	Every 3 years
	PB REACH 4 DEEPEN - FIND	Dredging	\$ 7,200,000	
	BAKERS HAULOVER - USACE	Dredging	\$ 2,200,000	Every 3 years
	DMMP UPDATES (2) - FIND	Study	\$ 175,000	Ongoing
		<b>SUBTOTAL</b>	<b>\$ 24,177,000</b>	

## Easement Release Data Form

MSA No. N/A County Flagler City Flagler Beach

Date Acquired Prior 1931 Price Paid Unkown Adjusted to Today's Dollars N/A

Current Fee Simple Owner William Cady and Pricila Wolff/Applicant

Total Size 200ft ROW Uplands      Wetlands      Submerged     

Zoning Designation Residential Comp Plan Designation     

Access Old AIA/ see attached survey for ROW release

Easement Type N/A Reverter Language N/A

Easement Uses Allowed Abandoned right of way Fox Cut

Site Usage History Abandoned right of way Potential for Other Uses None noted

No longer Federally authorized ROW per ACOE letter dated 3/13/2006

### Dredged Material Management Plan Comments

Recommend ACOE/Federal Government release. Parcel is outside of ROW main channel and setback.

Recommend ACOE/Federal Government release. Parcel is outside of ROW main channel and setback.

### Dredging Reach Capacity Status

N/A

### Potential for Further Dredged Material or Easement Allowed Uses

None

None





Easement Maintenance and Carrying Cost History     

Easement Release Value Per Easement Release Policy N/A

Other pertinent information about the easement Abandoned Right of Way



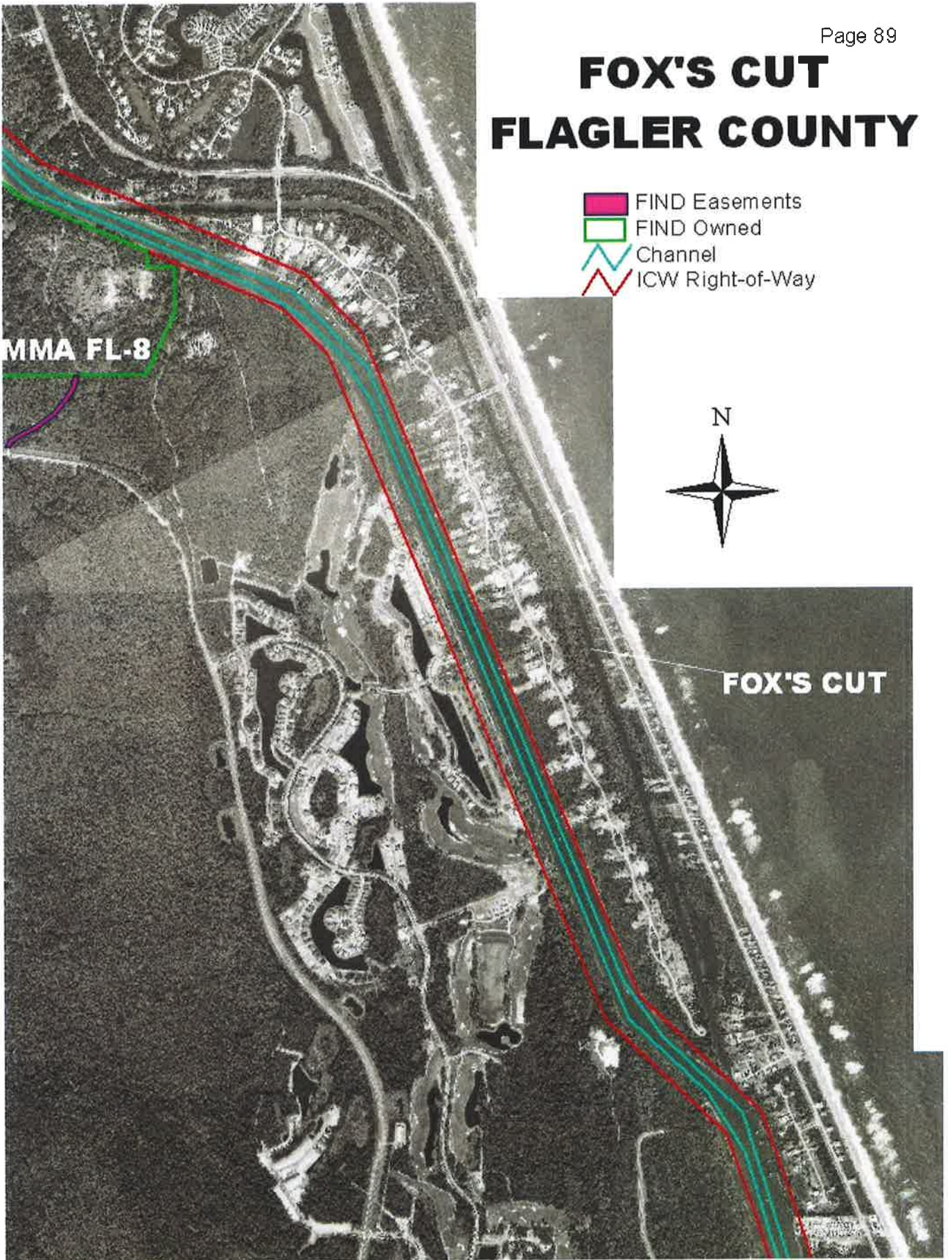
# FOX'S CUT FLAGLER COUNTY

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

MMA FL-8



FOX'S CUT















Flagler County Property Appraiser			
Parcel: 09-11-31-0000-00020-0080 Acres: 0			
Name:	CADY WILLIAM H III & PRISCILA	Land Value	135,000
Site:	4262 OLD A1A	Building Value	121,049
Sale:	355,000 on 10-2013 Reason=Q Qual=N	Misc Value	7,596
Mail:	WOLFF H&W 4262 OLD A1A PALM COAST, FL 32137	Just Value	263,645
		Assessed Value	254,475
		Exempt Value	50,000
		Taxable Value	204,475



The Flagler County Property Appraiser's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll. PLEASE NOTE THAT THE PROPERTY APPRAISER MAPS ARE FOR ASSESSMENT PURPOSES ONLY NEITHER FLAGLER COUNTY NOR ITS EMPLOYEES ASSUME RESPONSIBILITY FOR ERRORS OR OMISSIONS ---THIS IS NOT A SURVEY---

Date printed: 08/12/15 : 09:37:43

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This instrument prepared by:  
Name: Brandy Hyder  
Flagler County Abstract Company  
300 N 2nd Street  
Flagler Beach, Florida 32136  
FILE NO. S2565  
Property Appraisers Parcel Identification Number(s):  
09-11-31-0000-00020-0080

SPACE ABOVE THIS LINE FOR RECORDING DATA

**THIS WARRANTY DEED** made the 25 day of October, 2013 by

**Richard E. Pinder and Betty J. Pinder, husband and wife**

whose street address is 4327 S Hwy. 27 #119, Clermont, Florida 34711

hereinafter called the grantor\*, to

**William H. Cady III and Priscila Wolff, husband and wife**

whose street address is 12395 SW 130 Street, UNit 106, Miami, FL 33186

hereinafter called the grantee\*:

(\*Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

**WITNESSETH**, that the grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other valuable considerations to said grantors in hand paid by said grantees, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, remised, released, conveyed and confirmed unto the grantee and grantee's heirs forever the following described land situate in County of Flagler, State of Florida, to wit:

See Attached Exhibit "A"

**Together**, with all the tenements, hereditaments and appurtenances thereto belonging or in otherwise appertaining.  
**To Have and to Hold**, the same in fee simple forever.

And the grantor hereby covenants with the grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land, and hereby warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31<sup>st</sup>, 2012. FURTHER SUBJECT TO Restrictions, Reservations, Covenants, Dedications, Resolutions, Conditions and Easements of record, if any, however this reference shall not operate to reimpose same.

**In Witness Whereof**, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the presence of:

Witness 1 Signature  
Brandy Hyder  
Printed or Typed Name  
Witness 2 Signature  
Jessica D. Westbrook  
Printed or Typed Name

X Richard E. Pinder  
Richard E. Pinder

X Betty J. Pinder  
Betty J. Pinder

STATE OF FLORIDA  
COUNTY OF Flagler

The foregoing instrument was acknowledged before me this 25 day of October, 2013, by Richard E. Pinder and Betty J. Pinder, husband and wife who is personally known to me or who produced FL License as identification and who did/did not take an oath.

Brandy Hyder  
Notary Public  
My Commission Expires:

[seal]

✓ 10/28/2013



## Exhibit "A"

Being a part of Government Lot Two, of Section 9, Township 11 South, Range 31 East, and being more particularly described as follows: Beginning at the Northeast corner of said Government Lot Two as a point of reference and running thence South 89 degrees 20'49" West, along the North line of said Government Lot Two, a distance of 1094.93 feet; thence South 0 degrees 44'04" East, a distance of 236.35 feet to the point of beginning of this description; thence South 0 degrees 44'04" East a distance of 215 feet to an intersection with the North boundary of the 200 foot right of way of the old Florida East Coast Canal; thence North 89 degrees 58'13" East along said North right-of-way boundary, a distance of 100 feet; thence North 0 degrees 44'04" West, a distance of 215 feet; thence South 89 degrees 20'49" West a distance of 100 feet to the point of beginning of this description. EXCEPTING HOWEVER, that portion of the original State Highway 11A as now located. Bearings refer to True Meridian.



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
P.O. BOX 4970  
JACKSONVILLE, FLORIDA 32232-0019

REC'D \_\_\_\_\_

MAR 16 2006

FLORIDA INLAND  
NAVIGATION DISTRICT

March 13, 2006

Real Estate Division  
Management and Disposal Branch

Mr. David Roach  
Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477

Dear Mr. Roach:

Reference is made to our meeting regarding a portion of the Florida East Coast Canal (canal) identified as Fox Cut located in Flagler County, Florida.

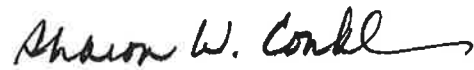
Based on our review of the documentation you provided, together with research that was previously done by this office relative to the real estate interests the United States may possess in this portion of the canal, we have concluded that the real property rights of the United States in this portion of the Florida East Coast Canal cannot conclusively be determined. In view of this, and the fact this portion of the Florida East Coast Canal is no longer a part of the federally authorized project, this District has no objection to releasing whatever interests the United States may possess in the Fox Cut segment of the canal to the adjacent landowners. XX

In our meeting, we also discussed the potential for the United States to use these lands for purposes other than what was authorized by Congress for the Federal navigation project. It is our position that these lands cannot be used by the Government for any purpose other than what was authorized by the Acts of Congress for the establishment, maintenance and improvement of waterway.

-2-

If you have any questions regarding this matter, please telephone Larry Wright at 904-232-2537.

Sincerely,

A handwritten signature in cursive script, reading "Sharon W. Conklin", followed by a long horizontal flourish.

Sharon W. Conklin  
Chief  
Management and Disposal Branch



TAYLOR ENGINEERING, INC.

*Delivering Leading-Edge Solutions*

July 2, 2015

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

RE: Professional Engineering Services for Additional Design of Permanent Pipeline  
Dredged Material Management Area (DMMA) BV-4B  
Brevard County, Florida

Mr. Crosley:

Taylor Engineering is pleased to submit the enclosed scope of work (Attachment A) and cost proposal (Attachment B) to provide professional engineering services for the additional work necessary to support detailed design of the seepage control ditch and its outfall (permanent pipeline) to the Intracoastal Waterway for DMMA BV-4B. Taylor Engineering's primary tasks include conducting environmental and geotechnical investigations, completing additional groundwater and stormwater modeling, providing coordination with the Florida East Coast Railroad or its agent, and producing preliminary and final construction drawings and specifications.

Project continuity influenced our decision to secure Dunkelberger Engineering and Testing, a Terracon Company (DET) — the company which has, thus far, provided all geotechnical investigations and groundwater modeling on the project — to serve as a subconsultant to complete groundwater modeling for the permanent pipeline. Attachment C provides the original proposal from DET.

Taylor Engineering will perform these services for a cost-plus-not-to-exceed fee of \$106,653.00 of this total, \$21,000.00 represents DET's fees.

Please contact me at (904) 731-7040 ext. 240 or [jarmbruster@taylorengeering.com](mailto:jarmbruster@taylorengeering.com) with any questions.

Sincerely,

Jonathan T. Armbruster, P.E.  
Vice President, Waterfront Engineering

/jta  
Attachments



**PROFESSIONAL ENGINEERING SERVICES FOR  
ADDITIONAL DESIGN OF PERMANENT PIPELINE  
DMMA BV-4B  
BREVARD COUNTY, FLORIDA**

**ATTACHMENT A  
SCOPE OF WORK**

## ATTACHMENT A

## SCOPE OF SERVICES AND COST PROPOSAL

**GEOTECHNICAL INVESTIGATION, PRELIMINARY, AND FINAL DESIGN  
BV-4B PERMANENT DISCHARGE PIPELINE  
BREVARD COUNTY, FLORIDA**

In coordination with Dunkelberger Engineering and Testing (DET), a Terracon Company, Taylor Engineering has completed geotechnical investigations and groundwater modeling for the proposed dredged material management area (DMMA) at BV-4B. Through this investigation, the engineering team has determined that, in order to mitigate the potential for negative saline impacts on the adjacent groundwater, the proposed project will require construction of a seepage control ditch and permanent outfall pipeline to run approximately one-third of a mile from the DMMA site to the Intracoastal Waterway (ICWW). The pipeline route will include underground road and rail line crossings.

Therefore, Taylor Engineering has prepared the following scope of services and estimated costs to complete the necessary field work, conduct additional groundwater and stormwater modeling, prepare preliminary and final designs, and prepare drawings and specifications for the installation of the BV-4B permanent effluent discharge pipeline. This scope of services does not include construction phase services. We have based our scope of services and cost proposal on the following assumptions:

1. Ground conditions and railroad requirements will allow installation of a steel casing pipeline via jack and bore horizontal installation techniques.
2. Utility location subconsultant services within the railroad right-of-way are not required, i.e. the railroad owner knows the depth of any utilities within its right-of-way.
3. Utility location subconsultant services are not required at Hammock Road, and the contractor will install pipeline crossing at that location through open-cut techniques.
4. The contractor will obtain the municipal permit for open-cut pipeline installation at Hammock Road.

**— SCOPE OF SERVICES —**

**TASK 1 DATA COLLECTION, ANALYSIS, AND PERMITTING**

**1.1 Natural Resource Investigation and Additional Permitting Support**

Taylor Engineering completed a natural resources survey and wetlands delineation within the 60-foot wide pipeline easement under the existing scope of services. The investigation terminated at the approximate water's edge of the Indian River Lagoon and did not assess submerged resources. Permitting the construction of a permanent buried outfall pipeline will require characterization of the submerged resources (e.g., seagrass, oysters, hardbottom) near the pipeline terminus. As such, Taylor Engineering environmental staff will complete a survey to document submerged resources in the vicinity of the proposed outfall. The survey will begin at the water's edge and terminate 100 feet offshore and will include the 60-foot wide pipeline easement and a 100-foot buffer. The project area occurs within the range of Johnson's seagrass (*Halophila johnsonii*); therefore, Taylor Engineering will follow the survey guidelines developed by the Johnson's Seagrass Recovery Team. The survey will include submerged resource mapping using a global positioning system with sub-meter accuracy and quadrat sampling along transects to document resource occurrence and abundance. Taylor Engineering will develop a report to summarize the submerged resource survey findings.

Taylor Engineering will incorporate the permanent outfall pipeline component of the project into the state and federal environmental permit application package. This will consist of additional narratives and analyses including wetland impact and mitigation analysis using the Uniform Mitigation Assessment Methodology. We will actively coordinate with agency staff during the review process and will respond to requests for additional

## ATTACHMENT A

information (RAIs) pertaining to the permanent pipeline outfall. This proposal includes an additional budget of \$2,000 to respond to agency RAIs associated with the pipeline design changes.

## 1.2 Geotechnical Investigation and Groundwater Modeling

DET will complete supplemental geotechnical exploration and analyses necessary to support detailed design of the seepage control ditch and its outfall (permanent pipeline) to the ICWW. The supplemental geotechnical exploration include conducting 10 Standard Penetration Test (SPT) borings, classifying soil samples from the borings, and conducting laboratory testing of select samples for physical properties. DET will submit a technical memorandum summarizing the field and laboratory data and geotechnical recommendations pertaining to bedding, backfilling, and anchoring the proposed permanent pipeline.

DET will also complete additional groundwater modeling to evaluate wetland drawdown impacts from the operation of the DMMA and installation of the seepage control ditch. Taylor Engineering and DET will use results from the additional groundwater modeling to optimize the design of the perimeter (seepage) control ditch. The additional groundwater modeling will comprise the following activities:

- Modifying the existing groundwater flow model (MODFLOW) to consider a long-term (10 year) period of normal (average year) rainfall and recharge followed by Dredged Material Event No. 1 (10-year simulation) to evaluate drawdown impacts at locations of on-site wetlands.
- Modifying the existing groundwater flow model (MODFLOW) and contaminant transport model (MT3D) to consider a perimeter ditch control elevation adjusted upward to + 4 feet (NAVD) while calculating both total inflow rate and a separate groundwater (outside) inflow rate as well as verifying that the 250 mg/L chloride concentration in the groundwater remains within the property boundary.
- Modifying the existing groundwater flow model (MODFLOW) and contaminant transport model (MT3D) to consider a perimeter-ditch control elevation adjusted to step-down in elevation from west-to-east while calculating both total inflow rate and a separate groundwater (outside) inflow rate as well as verifying that the 250 mg/L chloride concentration in the groundwater remains within the property boundary.

DET will submit a technical memorandum as an addendum to the March 2015 Phase III Geotechnical Report summarizing the results of the additional modeling efforts.

## TASK 2 PIPELINE MODELING

Taylor Engineering will develop models and evaluate the results for two alternative pipeline designs and will recommend the more feasible and efficient design for construction.

### 2.1 Alternative 1: Dedicated Stormwater Outfall

The first alternative will allow for the routing of stormwater, seepage water, and groundwater intercepted in the perimeter ditch to the ICWW through a dedicated, permanent, buried pipeline. The pipeline would originate in a collection box located in the perimeter ditch, cross under Hammock Road, east of the project site, and would be buried north of the existing channel within the pipeline easement. The pipeline would pass underneath the Florida East Coast (FEC) railroad and would terminate above the mean high waterline at the ICWW. Alternative 1 assumes that, as is common practice, the contractor would supply a temporary pipe to remove effluent from the DMMA site during dredging operations. After the dredging operations are complete, the contractor would terminate the connection from the DMMA and remove the temporary dredge effluent pipeline. Taylor Engineering will size the permanent pipe appropriately for the routing of stormwater, seepage water, and groundwater intercepted in the perimeter ditch only. Taylor Engineering expects that this design would provide an efficient means (small diameter) permanent pipeline to traverse the easement and discharge into the ICWW.

## ATTACHMENT A

**2.2 Alternative 2: Combined Stormwater and DMMA Effluent Outfall**

The second alternative will allow for the combined routing of stormwater, seepage water, and groundwater intercepted in the perimeter ditch along with the effluent from dredging operations to the ICWW through a permanent, buried pipeline. The pipeline would originate at the DMMA's effluent weirs and include connection to a drainage box located in the perimeter ditch. From the site, the pipeline would cross under Hammock Road, east of the project site, and would be buried north of the existing channel within the easement. The pipeline would pass underneath the FEC railroad and would terminate above the mean high waterline at the ICWW. Alternative 2 eliminates the need for the contractor to supply a temporary pipe to remove effluent from the DMMA site during dredging operations. The connection from the DMMA basin to the permanent pipeline would remain in place in perpetuity. Taylor Engineering would size the permanent pipe appropriately for the routing of stormwater, seepage water, and groundwater intercepted in the perimeter ditch as well as the periodic need for dredging operations effluent. Taylor Engineering expects that this design may reduce dredging costs, but will likely require an initially higher site construction costs.

Taylor Engineering will not consider an alternative where stormwater, seepage water, and groundwater intercepted in the perimeter ditch would route to the ICWW through an open channel. Reports from DET indicate that this water would be too high in chloride content for direct open-channel discharge to the environment.

**TASK 3 ENGINEERING DESIGN AND CONSTRUCTION DOCUMENT DEVELOPMENT**

Taylor Engineering will develop a design for the optimized permanent pipeline as determined in Task 2 above. Design tasks will include coordination for the rail crossing; design for road crossing; engineering design calculations, construction drawing and specification development for the buried permanent pipeline; and incorporation of the additional construction costs associated with the permanent pipeline into the project opinion of probable construction cost.

**3.1 Railroad Coordination**

An active line of the FEC railroad separates the DMMA project site from the ICWW. Taylor Engineering will design up to three carrier pipes — one for stormwater discharge, one for dredged material inflow, and one for dredging effluent discharge — to pass beneath the railroad right-of-way. In this task, Taylor Engineering will facilitate communication with FEC or their agent, prepare and submit a permit application to FEC for their review, and will incorporate requirements and recommendations from FEC into the BV-4B construction drawings and specifications. This task does not include permit application fees to FEC or costs incurred during construction related to the FEC requirements identified through its permit.

**3.2 Preliminary Design**

Taylor Engineering will complete a preliminary design of pipeline-related features and integrate this design into the preliminary design of the BV-4B DMMA project. The preliminary design will use the selected alternative from the Task 2 modeling effort. The design will include the design of the stormwater collection box located in the perimeter ditch, connection to the effluent weir system (if necessary), accommodate the road crossing at Hammock Road (of both temporary dredging effluent and permanent stormwater pipelines, if both are necessary), and accommodate the railroad crossing(s) in concurrence with Task 3.1. The preliminary design will also analyze the selected buried permanent pipeline for buoyancy and design a sufficient burial, pipe bedding, and anchoring system to support the pipe and counteract buoyancy. Taylor Engineering will design up to three jack and bore casing pipe installations for the FEC railroad crossing.

This task includes development of engineering calculations and draft design drawings and specifications. Design drawings will include plan, cross-section, and detail views of the preliminary design features

## ATTACHMENT A

incorporated within the construction drawings for the overall project. Taylor Engineering will develop draft specifications (Word format) for inclusion within the project specification manual for the overall project.

### 3.3 Final Design

Building on the preliminary design, Taylor Engineering will complete a final design and prepare construction documents of pipeline-related features. The final design will resolve constructability concerns, if necessary, and will optimize the design of elements introduced in the preliminary design phase. This task includes development of all associated final calculations, construction drawings, and specifications. Design drawings will include plan, cross-section, and detail views of the pipeline features incorporated within the project's construction documents; be presented in hard-copy and in digital (PDF and AutoCAD) formats; and be signed and sealed by a licensed professional engineer. Taylor Engineering will integrate pipeline specifications within the final signed and sealed project manual.

### 3.4 Opinion of Probable Cost

Taylor Engineering will prepare an engineer's opinion of probable construction cost for the recommended pipeline features; Taylor Engineering will incorporate this cost information into the cost opinion prepared for the overall project.

## ESTIMATED SCHEDULE

No.	Task	Months from Notice to Proceed											
		1	2	3	4	5	6	7	8	9	10	11	12
1	DATA COLLECTION, ANALYSIS, AND PERMITTING	■	■	■	■	■	■						
2	PIPELINE MODELING	■											
3	ENGINEERING DESIGN AND CONSTRUCTION DOCUMENT DEVELOPMENT		■	■	■	■	■	■					

## ITEMS NOT INCLUDED

- Railroad crossing application fee (non-refundable)
- Municipal permit for open cut utility installation
- Construction observation or administration
- Cost of railroad inspectors and flagmen during construction

— END OF SCOPE —

Taylor Engineering will perform the services described above for a not-to-exceed sum of \$106,653.00. Attachment B summarizes these costs by task.

**PROFESSIONAL ENGINEERING SERVICES FOR  
ADDITIONAL DESIGN OF PERMANENT PIPELINE  
DMMA BV-4B  
BREVARD COUNTY, FLORIDA**

**ATTACHMENT B  
COST PROPOSAL**

**TAYLOR ENGINEERING, INC.**  
**COST SUMMARY BY TASK**  
**BV-4B PIPELINE**

**TASK 1: Data Collection, Analysis, and Permitting**

<i>Labor</i>	<i>Hours</i>	<i>Cost (\$)</i>	<i>Task Totals</i>
Vice President	2.0	370.00	
Senior Advisor	1.0	186.00	
Director	4.0	636.00	
Senior Professional	24.0	3,384.00	
Project Professional	69.0	7,314.00	
Total Man-Hours	100.0		
Labor Cost			11,890.00
<i>Non-Labor</i>	<i>Units</i>	<i>Cost (\$)</i>	
Dunkelberger Engineering & Testing, Inc.	1.0	21,000.00	
Fee @ 10.0%		2,100.00	
Total Non-Labor Cost			23,100.00
<i>Total Task 1</i>			<i>\$ 34,990.00</i>

**TASK 2: Pipeline Modeling**

<i>Labor</i>	<i>Hours</i>	<i>Cost (\$)</i>	<i>Task Totals</i>
Vice President	4.0	740.00	
Senior Advisor	2.0	372.00	
Director	16.0	2,544.00	
Project Professional	110.0	11,660.00	
Senior Technical Support	16.0	1,728.00	
Total Man-Hours	148.0		
Labor Cost			17,044.00
<i>Total Task 2</i>			<i>\$ 17,044.00</i>

**TASK 3: Engineering Design and Construction Document Development**

<i>Labor</i>	<i>Hours</i>	<i>Cost (\$)</i>	<i>Task Totals</i>
Vice President	9.0	1,665.00	
Senior Advisor	7.0	1,302.00	
Director	24.0	3,816.00	
Senior Professional	84.0	11,844.00	
Project Professional	148.0	15,688.00	
Senior Technical Support	188.0	20,304.00	
Total Man-Hours	460.0		
Labor Cost			54,619.00
<i>Total Task 3</i>			<i>\$ 54,619.00</i>

**Project Total \$ 106,653.00**

**PROFESSIONAL ENGINEERING SERVICES FOR  
ADDITIONAL DESIGN OF PERMANENT PIPELINE  
DMMA BV-4B  
BREVARD COUNTY, FLORIDA**

**ATTACHMENT C  
ORIGINAL PROPOSAL FROM  
DUNKELBERGER ENGINEERING AND TESTING, INC.**



**DUNKELBERGER**  
**engineering & testing, inc.**  
 A Terracon COMPANY

July 1, 2015

Taylor Engineering, Inc.  
 10151 Deerwood Park Boulevard  
 Building 300, Suite 300  
 Jacksonville, Florida 32256

Attention: Mr. Keith A. Knight, P.E.  
 Senior Engineer  
 P: (904) 731-7040  
 E: [KKnight@taylorengeering.com](mailto:KKnight@taylorengeering.com)

Subject: **Supplemental Geotechnical Services**  
 BV-4B Dredged Material Management Area (DMMA)  
 Brevard County, Florida  
 (TE Contract No. C2014-026)  
 DUNKELBERGER Project No. : HB145006

Dear Mr. Knight:

Per our June 16 and July 1 teleconferences, we propose to carry out geotechnical services supplemental to our above referenced contract inclusive of Amendment 1 dated April 23, 2015.

Purpose- complete supplemental geotechnical exploration and analyses necessary to support detailed design of the seepage control ditch and its outfall (permanent pipeline) to the ICWW.

Scope of Work

- 1) Geotechnical exploration related to the design of a buried 30-inch (+/-) diameter pipeline to extend for approximately 1600 lineal feet from the DMMA weir structure to the ICWW.
- 2) Additional groundwater modeling to: (a) evaluate wetland drawdown impacts from operation of the DMMA; and (b) optimize design of the perimeter (seepage) control ditch to minimize inflow of fresh groundwater, with outflow to the ICWW, during operation of the DMMA.

*Task 1) Permanent pipeline exploration*

- *Mechanically remove (clear) existing vegetation in a 10-foot (+/-) wide swath for approximately 1600 lineal feet coinciding with the pipeline alignment.*
- *Drill eight Standard Penetration Test (SPT) borings to a depth of 20 feet and*

Dunkelberger Engineering & Testing, A Terracon Company 607 NW Commodity Cove Port St. Lucie, FL 34986  
 P (772) 343 9787 F (772) 343 9404 [dunkelberger-engineering.com](http://dunkelberger-engineering.com) [terracon.com](http://terracon.com)

spaced about 200 feet apart along the pipeline alignment.

- Drill two additional SPT borings at locations straddling the railroad tracks and coinciding with the planned jack-and-bore location; the "west" boring will be rig-drilled to a depth of 40 feet while the "east" boring will be advanced with a portable tri-pod rig to a depth of about 20 feet +/-.
- Classify all soil samples from the borings and laboratory test select samples for physical properties (moisture content, organic content and gradation)
- Submit a technical memorandum\* of the field and laboratory data along with geotechnical recommendations pertaining to bedding, backfilling and anchoring the pipeline.

#### Task 2) Additional groundwater modeling

- Modify the existing groundwater flow model (MODFLOW) to consider a long-term (10 year) period of normal (average year) rainfall and recharge followed by Dredged Material Event No. 1 (10-year simulation) to evaluate drawdown impacts at locations of on-site wetlands.
- Modify the existing groundwater flow model (MODFLOW) and contaminant transport model (MT3D) to consider a perimeter ditch control elevation adjusted upward to + 4 feet (NAVD) while calculating both total and separate groundwater inflow rates as well as verifying that the 250 mg/L chloride concentration in the groundwater remains within the property boundary.
- Modify the existing groundwater flow model (MODFLOW) and contaminant transport model (MT3D) to consider a perimeter ditch control elevation adjusted to step-down in elevation from west-to-east while calculating both total and separate groundwater inflow rates as well as verifying that the 250 mg/L chloride concentration in the groundwater remains within the property boundary.
- Submit a technical memorandum\* summarizing the results of the additional modeling efforts.

\*written addenda to the DUNKELBERGER March 2015 Phase III Geotechnical Report

#### Compensation

Task 1 (pipeline exploration) will be completed for an amount not-to-exceed \$12,500. Task 2 (additional groundwater modeling) will be completed for a "net" amount not-to-exceed \$8,500. The "net" refers to the amount over and above the available balance of Amendment 1 funds. Therefore, this amendment is for a total of **\$21,000** increasing the contract from \$279,420.00 to \$300,420.00.

ATTACHMENT C

BV-4B DMMA  
Brevard County, Florida

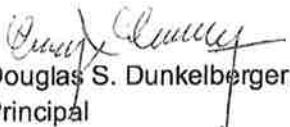
**DUNKELBERGER**  
engineering & testing, inc.  
A TERRACON COMPANY

Schedule

Assuming a notice-to-proceed on or before July 10, 2015, we will submit draft deliverables (written addenda) on or before August 7, 2015.

We appreciate the opportunity to be of continued service to Taylor Engineering for the DMMA BV-4B project. If you have any questions regarding this proposal, please contact us.

Sincerely,  
**Dunkelberger Engineering & Testing, Inc.**  
**A Terracon Company**

  
Douglas S. Dunkelberger, P.E.<sup>7/1/15</sup>  
Principal

# FLORIDA INLAND NAVIGATION DISTRICT



August 11, 2015

## COMMISSIONERS

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CHAIR  
ST. JOHNS COUNTY

**DONALD J. CUOZZO**  
VICE-CHAIR  
MARTIN COUNTY

**JON NETTS**  
TREASURER  
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**SUSANNE McCABE**  
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**PAUL U. DRITENBAS**  
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**CHARLES C. ISIMINGER**  
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**LYNETTE SELF**  
DUVAL COUNTY

**LYNN A. WILLIAMS**  
NASSAU COUNTY

**MARK T. CROSLY**  
EXECUTIVE DIRECTOR

**JANET ZIMMERMAN**  
ASSISTANT EXECUTIVE  
DIRECTOR

## MEMO

To: Mark Crosley, Executive Director

From: Mark Tamblyn, Field Projects Coordinator **MT**

Attached are the bid results for the MSA-726 Clearing & Grubbing Project.

The bid submitted by Arbor Tree & Land, Inc. has been accepted by the District & Taylor Engineering for the MSA-726 Clearing & Grubbing project.

The bid has been accepted for the following several reasons:

- 1) The bid submitted was on time and within the engineers' estimates for the project.
- 2) Their references were favorable in the earth moving capacity, and in large scale exotic eradication. Their references did represent this District project.
- 3) The required bid documents were complete, on time and fully executed.

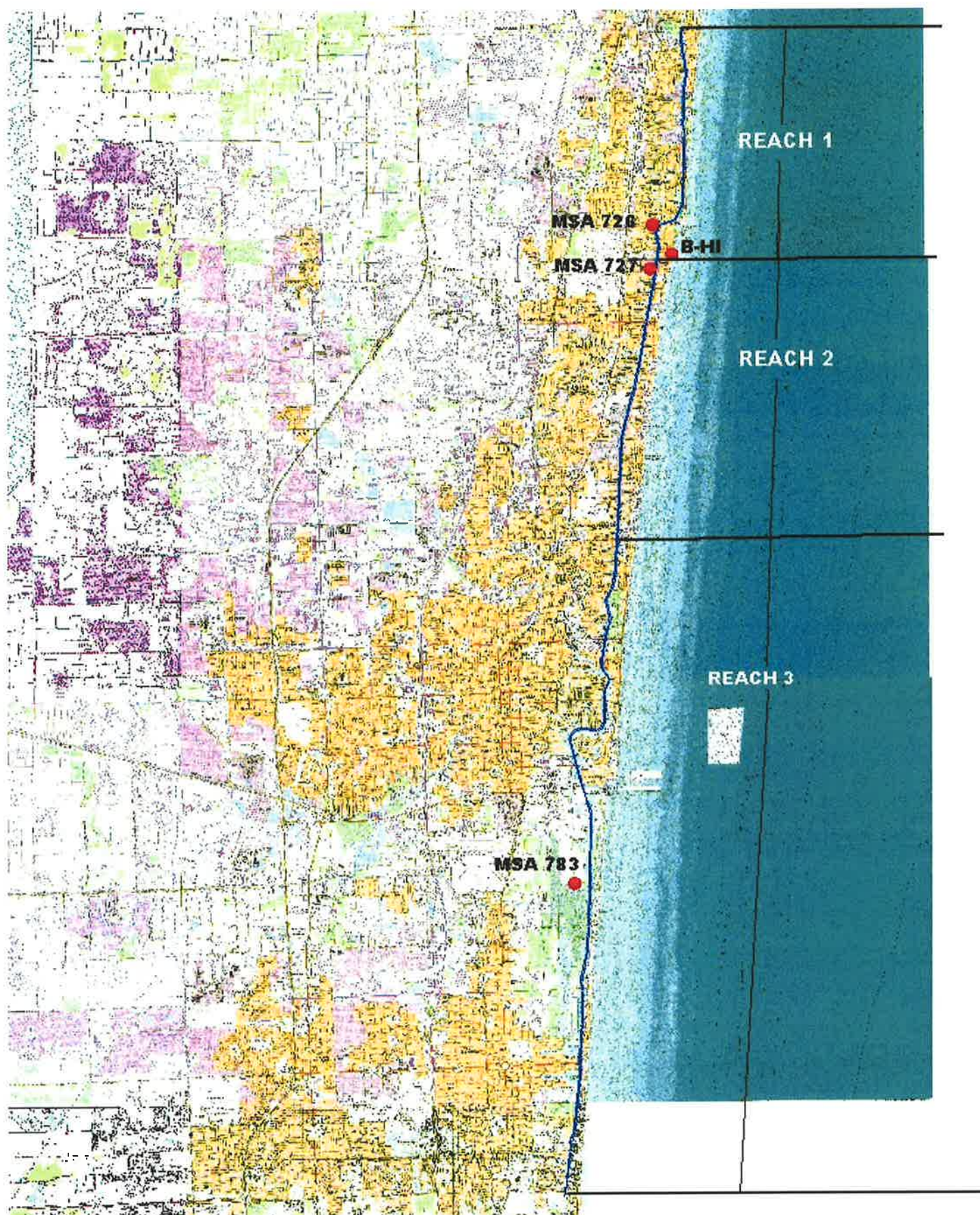
I recommend that the bid and project; MSA-726 Clearing & Grubbing project be awarded to Arbor Tree & Land, Inc. The bid results have been posted on the website and the bidders have also been notified by the District the outcome of the bids.



FLORIDA INLAND NAVIGATION DISTRICT  
MSA-726 EXCHANGE CLUB PARK  
CLEARING & GRUBBING PROJECT  
AUGUST 4, 2015  
Bid Results

Arbor Tree & Land, Inc. 5796 Western Way Lake Worth, FL 33463	\$607,300.00
Sun Up Enterprises, Inc. 16641 Waters Edge Drive Ft. Lauderdale, FL 33326	\$638,000.00
John Brown and Sons 775 23 <sup>RD</sup> Avenue Vero Beach, FL 32962	\$707,000.00
Carter's Contracting Services, Inc. 23263 Harmony Church Road Andalusia, AL 36421	\$827,826.00

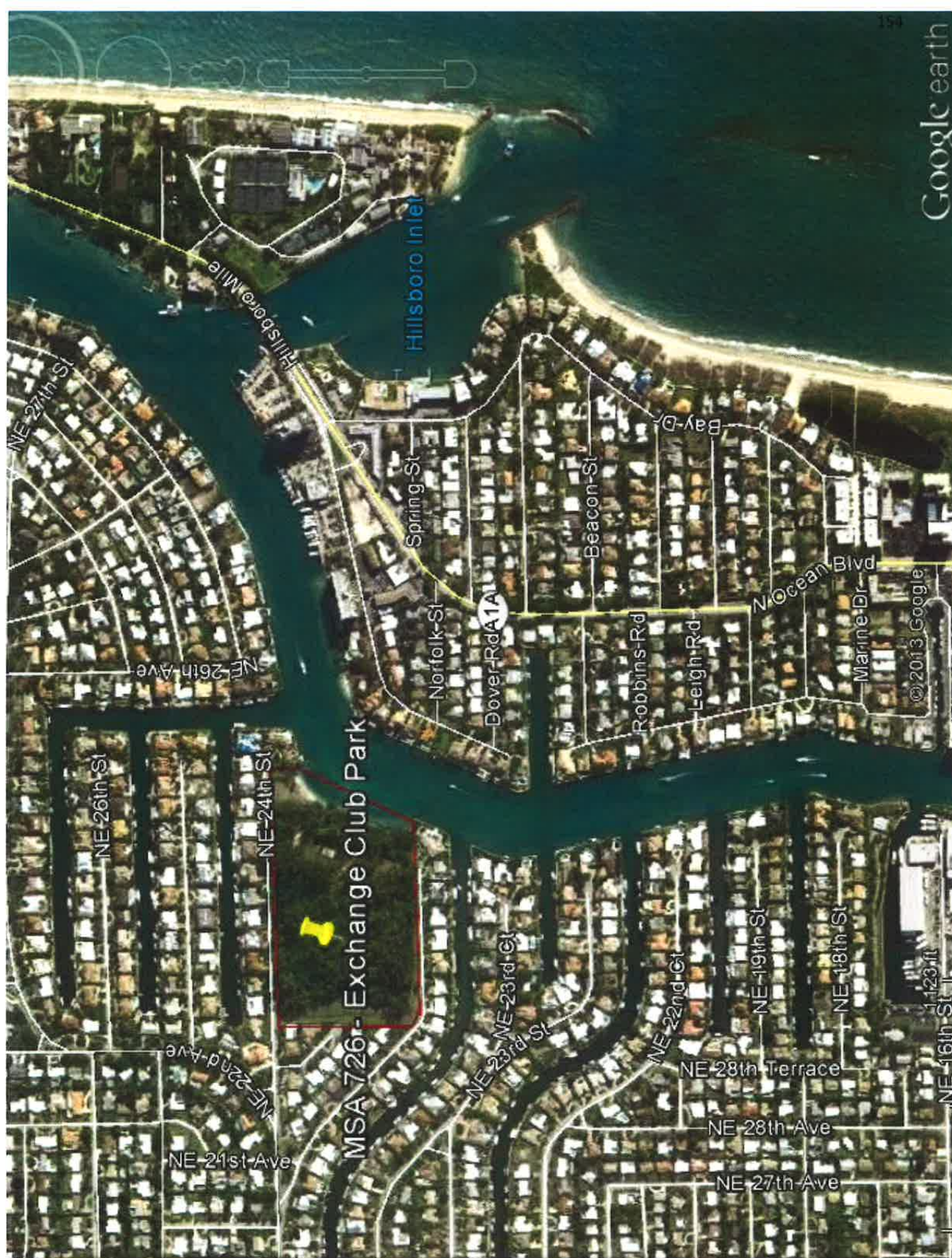




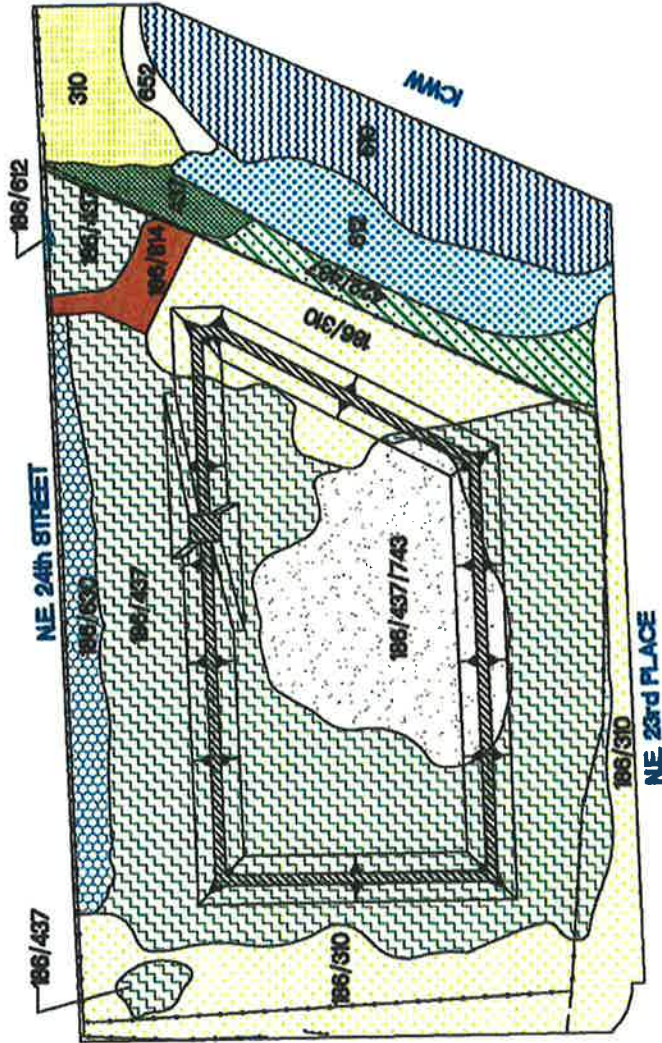
INTRACOASTAL WATERWAY  
DREDGED MATERIAL MANAGEMENT PLAN  
IN BROWARD COUNTY











LEGEND:  
 FENCE  
 PARK BOUNDARY



LEGEND:	ACRES
186/310	HERBACEOUS 0.49
186/437	BRAZILIAN PEPPER/AUSTRALIAN PINE 0.44
186/437/743	AUSTRALIAN PINE 0.21
186/612	STREAMS AND WATERWAYS 1.32
186/630	MANGROVE SWAMPS 0.88
186/614	SHORELINES 0.13
	<b>TOTAL SITE AREA 16.70</b>

**TAYLOR ENGINEERING INC.**  
 9000 CYPRESS GREEN DRIVE, SUITE 200  
 JACKSONVILLE, FLORIDA 32256

**Land Use and Vegetation, MSA FO-726, 726B, 726C**  
**Dredged Material Management Area**  
**Broward County, Florida**

PROJECT	C2002-036
CREATED BY	
SHEET	Sheet 3 of 7
DATE	March, 2005





MSA 726

FIND Owned  
Channel  
ICW Right-of-Way



# **MSA-726 CLEARING & GRUBBING BROWARD COUNTY, FLORIDA**

## **SPECIFICATIONS AND CONTRACT DOCUMENTS**

**PREPARED FOR THE  
FLORIDA INLAND NAVIGATION DISTRICT**

**By**



**10151 Deerwood Park Blvd  
Bldg 300, Suite 300  
Jacksonville, Florida 32256  
Certificate of Authorization #4815  
Phone: (904) 731-7040  
Fax: (904) 731-9847  
[www.TaylorEngineering.com](http://www.TaylorEngineering.com)  
(Taylor Engineering Contract No. C2014-028)**

**July 2015**

**SECTION 00 10 00****BID SOLICITATION**

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

**MSA-726 CLEARING & GRUBBING; BROWARD COUNTY, FLORIDA**

The Florida Inland Navigation District (District) will receive sealed bids for the construction of the District's MSA-726 Clearing & Grubbing Project at its offices at 1314 Marcinski Road, Jupiter, Florida 33477 until **2 PM, local time, August 4, 2015** and then, at said office. Bids will be opened at a public meeting and read aloud.

The project area – known as Exchange Club Park – is located in Broward County, Florida (Township 48S; Section 30; Range 43E) lies immediately west of the ICWW, immediately south of Northeast 24<sup>th</sup> Street, and immediately north of Northeast 23<sup>rd</sup> Place in Pompano Beach, Florida. Access to Exchange Club Park by the general public will be strictly prohibited throughout the construction project.

This project generally entails clearing and grubbing of an existing Maintenance Spoil Area (MSA), site grading, eradication of exotic vegetation, planting and establishment of new vegetation, chain link fence replacement, and other associated work. The Bidder 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. Similar projects shall include felling of trees of similar height and diameter as the largest trees at the MSA-726 project site.

The District will hold a **mandatory** pre-bid meeting and site visit at **1 PM on July 21, 2015** at the MSA-726 project site. Attendees shall enter the site through the Exchange Club Park entrance.

All bids not containing written information demonstrating the Bidder's experience and technical capabilities will be disqualified. If in the opinion of the District and its Engineer, the Bidder's experience and technical capabilities do not indicate similar experience, the bid will be disqualified. The District will award the bid to the qualified Bidder with the lowest bid price. The successful Bidder will have 150 days from the Notice to Proceed to complete the entire project.

A Bid Bond will be required for bids that exceed \$200,000.00. Bids providing less than 90 days for District acceptance after the date bids are due will not be considered and will be rejected. Bidders 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--**

**SECTION 01 11 00**  
**SUMMARY OF WORK**

**PART 1 - GENERAL**

**1.1 WORK COVERED BY CONTRACT DOCUMENTS**

**A. Project Description**

1. This project generally entails clearing and grubbing of an existing Maintenance Spoil Area (MSA), site grading, eradication of exotic vegetation, and other associated work.
2. The major categories of work include, but are not limited to the following:
  - a. Clearing and grubbing
  - b. Eradicating exotic vegetation within the project buffer
  - c. Grading project site
3. The Florida Inland Navigation District and their Engineering representative, Taylor Engineering, Inc., will administer the entirety of this project.

**B. Location**

1. The project area – known as Exchange Club Park – is located in Broward County, Florida (Township 48S; Section 30; Range 43E) lies immediately west of the ICWW, immediately south of Northeast 24th Street, and immediately north of Northeast 23rd Place (shown as Lighthouse Drive in Project Drawings) in Pompano Beach, Florida.

**C. Access to Exchange Club Park by the general public will be strictly prohibited throughout the construction project.**

**D. Work Hours**

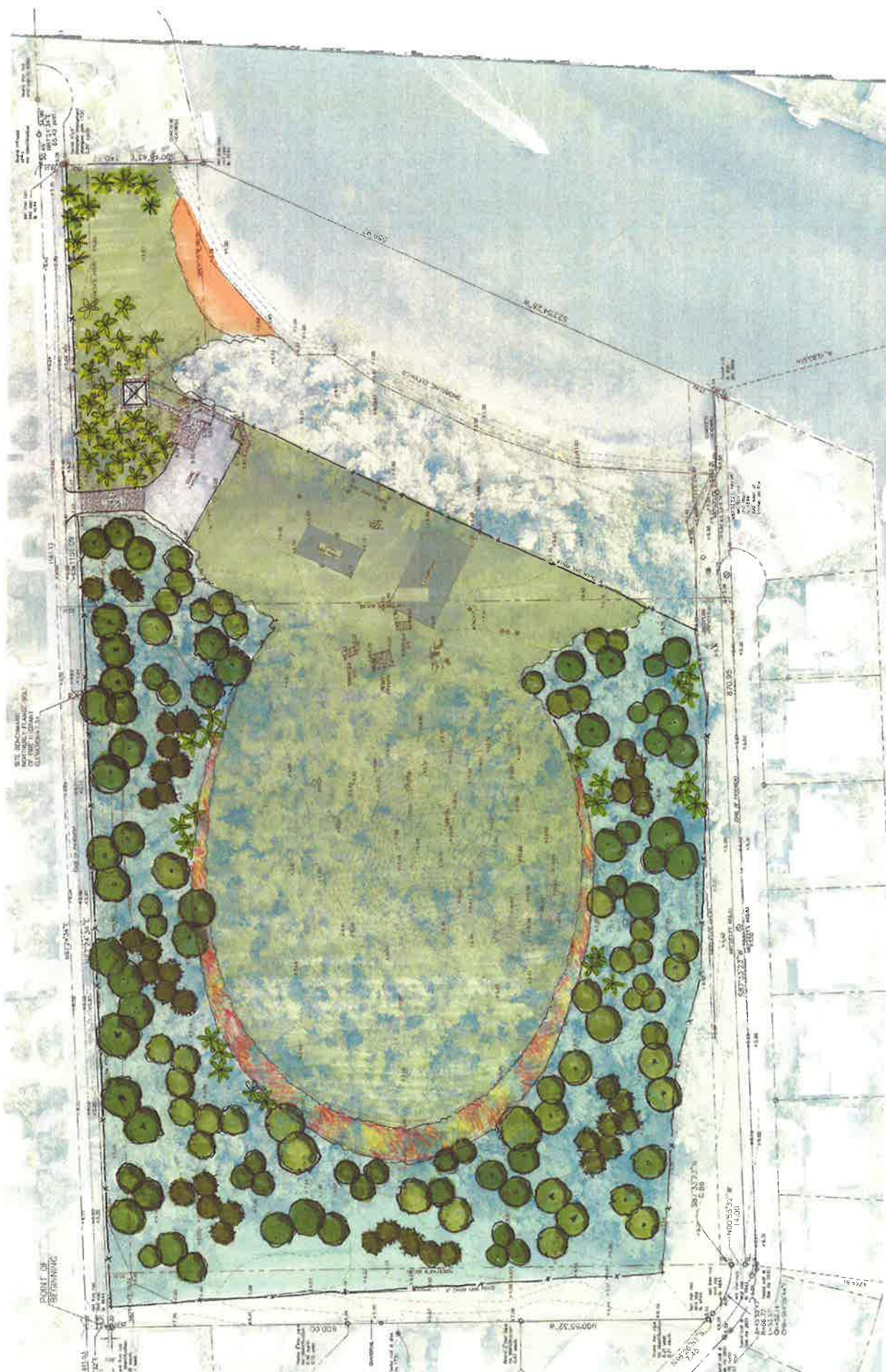
1. The Contractor shall limit working hours to 8:00 a.m. to 5:00 p.m. Monday through Friday.
2. This project requires work stoppage at the dates shown on Sheet C-2 of the Project Drawings. The Contractor shall account for these work stoppage while preparing the Bid.

**PART 2 - PRODUCTS (NOT APPLICABLE)**

**PART 3 - EXECUTION (NOT APPLICABLE)**

**--End of Section--**







August 5, 2015

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

Re: MSA 726 Clearing & Landscaping, Broward County, Florida  
Professional Construction Administration Services – Phase I

Mr. Crosley:

Taylor Engineering is pleased to submit the enclosed scope of work for professional construction administration services (Attachment A) and fee proposal (Attachment B) for the MSA 726 Clearing & Landscaping Project. Primary tasks for Phase I (clearing and grubbing) include pre-construction coordination, construction administration, and project closeout over the expected 150-day construction period. In addition, we have included the cost to provide bidding assistance for Phase II (landscaping).

Project continuity influenced our decision to secure IBI Group (Florida), Inc. (IBI) — the subconsultant for the site's landscape design — to serve as a local subconsultant and provide construction-phase observation and administration services. As discussed during our June 9, 2015, meeting, IBI will also provide arborist services during the clearing and grubbing work. Attachment C provides the original proposal from IBI.

We have also included the cost to perform up to a maximum of five months of vibration monitoring. If vibration monitoring in the early part of the project shows little risk of vibration damage, we may choose to cease or reduce these efforts. Our geotechnical subconsultant, Terracon Consultants, Inc. (Terracon), will provide these services. Attachment D provides the original proposal from Terracon.

Taylor Engineering will perform these services on a cost plus basis, for a total cost not to exceed \$110,664.00 (Attachment B). Of this total, \$30,560.00 represents IBI's fees and \$17,500.00 represents Terracon's fees.

We appreciate this opportunity to continue to serve FIND. Please contact me with any questions or comments.

Sincerely,

John Adams, P.E.  
Senior Advisor, Waterfront Engineering

Attachments (4)

**MSA 726 CLEARING & LANDSCAPING PROJECT  
BROWARD COUNTY, FLORIDA  
PROFESSIONAL CONSTRUCTION ADMINISTRATION SERVICES**

**ATTACHMENT A  
SCOPE OF WORK**

## ATTACHMENT A

**MSA 726 CLEARING & LANDSCAPING PROJECT  
PROFESSIONAL CONSTRUCTION ADMINISTRATION SERVICES**

The Florida Inland Navigation District (FIND) requested Taylor Engineering provide construction administration for Phase I (clearing and grubbing) of construction of the MSA 726 Clearing & Landscaping project. Located in Broward County, Florida, the project site lies south of Northeast 24<sup>th</sup> Street and north of Northeast 23<sup>rd</sup> Place in Pompano Beach, Florida. The completed construction project requires the following project tasks:

1. Clearing and grubbing
2. Eradicating exotic vegetation within the project buffer
3. Grading project site

Taylor Engineering has developed its scope of work based on the following assumptions:

1. Phase I construction will extend from approximately September 2015 through February 2016.
  - a. The total contract time (including mobilization/demobilization) will approach approximately 150 calendar days, (five months).
  - b. IBI personnel will perform field observations three days per week, for approximately one to two hours each observation day.
  - c. Also during this time, Taylor Engineering personnel will perform field observations one day per week from its West Palm Beach office. The observer will remain on site approximately two to three hours each observation day. Observation hours will occur throughout the week, and may include project resolution meetings as necessary. We anticipate that these activities will require five months to complete; therefore, we budgeted 22 observation days.
  - d. In addition to weekly observations, a project engineer will visit the site approximately two times per month to attend bi-weekly construction meetings and to assist the staff-level engineer in performing field observations. Visits by a project engineer will generally coincide with the staff-level engineer's site visits.
2. Project construction will neither result in any substantial deviations from the project drawings and specifications nor violate environmental conditions.
3. Project construction will not encounter any environmental hazards or historic artifacts.
4. Project construction will not require any local, state, or federal permits, and will not encounter any delays related to such permitting.
5. Project construction will not encounter any delays caused by the general public.

If any of these assumptions prove incorrect, Taylor Engineering will work with FIND to develop appropriate modifications to this scope of work and cost.

**TASK 1 PRE-CONSTRUCTION COORDINATION (PHASE I – CLEARING & GRUBBING)**

This task includes the following sub-tasks:

- Prepare for and conduct a pre-construction meeting at IBI office in Pompano Beach
- Review and approve contractor pre-construction submittals
- Make recommendations to FIND for issuance of a Notice to Proceed
- Prepare for and conduct an on-site coordination meeting



## ATTACHMENT A

Taylor Engineering and IBI representatives will conduct a combined pre-construction meeting and coordination meeting with the contractor. We assume this meeting will take place at the IBI office in Pompano Beach. Immediately following the in-office meeting we may travel to the project site to address any issues that require a site visit. The pre-construction/coordination meeting will serve to describe the project and answer contractor's questions concerning any technical aspects of the work. In addition, Taylor Engineering will discuss the ground rules and other issues including lines of engineer and contractor authority, general and specific contract conditions, contract administration, progress payment, correspondence procedures, project schedule, submittal register, and labor requirements. We will take minutes of the pre-construction meeting discussions and distribute them to FIND and the contractor. This meeting will occur after the Notice to Award and shortly before or immediately after the Notice to Proceed.

## **TASK 2 CONSTRUCTION ADMINISTRATION 150-DAY CONTRACT (PHASE I – CLEARING & GRUBBING)**

We will help FIND administer the construction contract from our offices in West Palm Beach and Jacksonville, Florida, and from the project site. We will remain available through construction to provide advice and consultation to FIND through site visits and teleconferences. In this role, we will address questions pertaining to engineering, design, permitting issues, and any proposed changes to project design.

This task includes the following sub-tasks:

- Review up to 20 shop drawings and submittals
- Responding to up to two construction requests for information (RFIs)
- Observe construction activities (22 site visits by staff-level engineer, 10 by project level engineer)
- Prepare general site visit report following each site visit
- Coordinate site visits and arborist services with IBI
- Review IBI site visit reports
- Coordinate vibration monitoring work with Terracon
- Review vibration monitoring reports by Terracon
- Schedule and prepare for 10 on-site progress meetings occurring every two weeks
- Schedule and prepare for up to two additional coordination meetings attended via teleconference
- Prepare up to two work change directives
- Prepare up to two change order directives
- Review and approve up to five monthly pay applications

During the major clearing and grubbing and earthwork, IBI personnel, given their close proximity to the project site, will perform field observations three days per week, for approximately one to two hours each observation day. In addition, they will provide arborist services during the clearing and grubbing work. As part of these services, they will identify and mark native and non-invasive trees for preservation throughout the clearing and grubbing phase. They will also map these trees to include in the tree preservation and landscaping drawings for Phase II of this project.

Terracon personnel will place vibration monitoring devices at locations determined based on the ongoing field work. They will review the data on a daily basis to determine if the work by the contractor is producing vibration levels below recognized vibration thresholds. If Terracon determines that the work is producing vibration levels in excess of these thresholds, they will recommend the contractor modify its

## ATTACHMENT A

means and methods to maintain vibrations within tolerable levels. However, if vibration monitoring in the early part of the project shows little risk of vibration damage, we may choose to cease or reduce these efforts to provide a cost savings to the project.

Taylor Engineering personnel (staff-level engineer) will perform field observations one day per week. An observer from the West Palm Beach office will be located on-site approximately two to three hours each observation day. Observation hours will occur throughout the week during regular business hours. We anticipate that these activities will require five months to complete and have budgeted for 22 observation days accordingly.

Our visits will include observation of the work and monitoring of the contractor's means, methods, and sequence. However, we will not direct the contractor's means and methods of construction. Additionally, Taylor Engineering is not responsible for job site safety. As part of the observation process, each observer will complete a daily construction report which will become part of the project record.

Construction observation will evaluate the contractor's work to:

- Clear and grub the site in accordance with the technical specifications
- Maintain berm grading requirements
- Maintain a current construction schedule
- Provide submittals on time and in proper format
- Protect environmental resources
- Follow quality control procedures to produce an end product that meets contract requirements
- Remove waste and debris from the project site
- Protect existing site amenities (restroom and parking facilities)

To reduce travel costs, an engineer from the Jacksonville office will attend one out of every two construction progress meetings on-site. We have budgeted for five trips from the Jacksonville office for construction meeting attendance. For the remaining construction progress meetings, an engineer from the West Palm Beach office will attend in person, and an engineer from the Jacksonville office will attend by phone. Additionally, if unexpected problems arise outside of these meetings, we will attend a maximum of up to two problem resolution meetings via teleconference.

Throughout the observation process, we will notify FIND of any work stoppages or conflicts and recommend to FIND ways to resolve these issues. Taylor Engineer's senior advisor will provide senior management review and quality control/quality assurance oversight.

### **TASK 3 PROJECT CLOSE-OUT (PHASE I – CLEARING & GRUBBING)**

This task includes the following sub-tasks:

- Develop preliminary and final punch lists
- Certify substantial completion of the project
- Review final pay application
- Review contractor release of lien
- Attend final observation meetings
- Conduct final review/acceptance of field data

Once FIND receives from the contractor a request to certify the project substantially complete, Taylor Engineering will visit the project site to determine the degree of completion. If we cannot certify

## ATTACHMENT A

substantial completion, we will develop preliminary and final punch lists of items for the contractor to complete or correct. With concurrence from FIND, we will transmit this list to the contractor. Upon completion of outlined items, we will certify the project substantially complete. We have budgeted for two on-site meetings during this stage of the project.

We will collect and review the following information from the contractor before project closeout.

- Final waiver and release of lien from contractor (does not include subcontractors, material suppliers, or equipment vendors, etc.)
- Final pay application
- Post-construction record drawings
- Post-construction/as-built survey

Taylor Engineering will prepare a DVD (or a set of DVDs, if necessary) of the construction project records for submittal to FIND at project completion.

#### **TASK 4 BIDDING ASSISTANCE PHASE II (LANDSCAPING)**

For Phase II (landscaping), Taylor Engineering will prepare a bid schedule with estimated quantities for all bid items. In preparation for project bidding and bid administration, Taylor Engineering will develop a digital bid document package including digital copy of the final drawings and specifications for FIND to advertise the bid and upload onto its FTP site. We will attend a pre-bid meeting for Phase II (assumed to occur at the project site) and provide written responses for up to one bid addendum.

#### **ESTIMATED SCHEDULE**

No.	Task	Months from Notice to Proceed								
		1	2	3	4	5	6	7	8	9
1	Pre-construction coordination (Phase I – Clearing & Grubbing)									
2	Construction administration 150-day contract (Phase I – Clearing & Grubbing)									
3	Project close-out (Phase I – Clearing & Grubbing)									
4	Bidding assistance Phase II (Landscaping)									

**MSA 726 CLEARING & LANDSCAPING PROJECT  
BROWARD COUNTY, FLORIDA  
PROFESSIONAL CONSTRUCTION ADMINISTRATION SERVICES**

**ATTACHMENT B  
COST PROPOSAL**

**TAYLOR ENGINEERING, INC.**  
**COST SUMMARY BY TASK**  
**P2015-129: FIND: MSA 726 Clearing & Grubbing - Construction Administration Phase I**

**TASK 1: PRE-CONSTRUCTION COORDINATION (PHASE I – CLEARING & GRUBBING)**

<i>Labor</i>	Hours	Cost	Task Totals
Senior Advisor	5	\$ 930.00	
Project Professional	13	\$ 1,378.00	
Staff Professional	10	\$ 860.00	
Administrative	2	\$ 104.00	
Total Man-Hours	30		
Labor Cost			\$ 3,272.00
<i>Non-Labor</i>	Units	Cost	
Car Rental and Gas for Pre-Bid Meeting (600 miles x 1 trip)	1	\$ 290.00	
Meals for 2 People (2 meals for 1 person, 1 meal for 1 person)	3	\$ 45.00	
Hotel for 1 person	1	\$ 140.00	
Non-Labor Cost		\$ 475.00	
Fee @ 10%		\$ 47.50	
Total Task 1			\$ 3,794.50

**TASK 2: CONSTRUCTION ADMINISTRATION 150 DAY CONTRACT (PHASE I – CLEARING & GRUBBING)**

<i>Labor</i>	Hours	Cost	Task Totals
Senior Advisor	12	\$ 2,232.00	
Project Professional	135	\$ 14,310.00	
Staff Professional	222	\$ 19,092.00	
Technical Editor	6	\$ 594.00	
Administrative	14	\$ 728.00	
Total Man-Hours	389		
Labor Cost			\$ 36,956.00
<i>Non-Labor</i>	Units	Cost	
Car Rental and Gas for 22 site visits (70 miles x 22 trips)	22	\$ 1,980.00	
IBI Subcontract	1	\$ 30,560.00	
Terracon Subcontract	1	\$ 17,500.00	
Car Rental and Gas for Bi-Weekly Meetings (600 miles x 5 trips)	5	\$ 1,450.00	
Meals for 1 person (2 meals per trip x 5 trips)	10	\$ 150.00	
Hotel for 1 person (5 trips)	5	\$ 700.00	
Non-Labor Cost		\$ 52,340.00	
Fee @ 10%		\$ 5,234.00	
Total Task 2			\$ 94,530.00

**TASK 3: PROJECT CLOSE-OUT (PHASE I – CLEARING & GRUBBING)**

<i>Labor</i>	Hours	Cost	Task Totals
Senior Advisor	6	\$ 1,116.00	
Project Professional	33	\$ 3,498.00	
Staff Professional	32	\$ 2,752.00	
Administrative	3	\$ 156.00	
Total Man-Hours	74		
Labor Cost			\$ 7,522.00
<i>Non-Labor</i>	Units	Cost	
Car Rental and Gas for Substantial Completion Meeting (600 miles x 1 trip)	1	\$ 290.00	
Meals for 2 people	2	\$ 30.00	
Hotel for 1 person (1 trip)	1	\$ 140.00	
Car Rental and Gas for Final Walkthrough (600 miles x 1 trip)	1	\$ 290.00	
Meals for 3 people (2 meals for 2 people, 1 meal for 1 person)	5	\$ 75.00	
Hotel for 2 people	2	\$ 280.00	
Non-Labor Cost		\$ 1,105.00	
Fee @ 10%		\$ 110.50	
Total Task 3			\$ 8,737.50

**TASK 4: BIDDING ASSISTANCE PHASE II (LANDSCAPING)**

<i>Labor</i>	Hours	Cost	Task Totals
Senior Advisor	2	\$ 372.00	
Project Professional	8	\$ 848.00	
Staff Professional	20	\$ 1,720.00	
Administrative	3	\$ 156.00	
Total Man-Hours	33		
Labor Cost			\$ 3,096.00
<i>Non-Labor</i>	Units	Cost	
Car Rental and Gas for pre-bid meeting (600 miles x 1 trip)	1	\$ 290.00	
Meals for 2 people	2	\$ 30.00	
Hotel for 1 person	1	\$ 140.00	
Non-Labor Cost		\$ 460.00	
Fee @ 10%		\$ 46.00	
Total Task 4			\$ 3,602.00

**Project Total \$110,664.00**

**MSA 726 CLEARING & LANDSCAPING PROJECT  
BROWARD COUNTY, FLORIDA  
PROFESSIONAL CONSTRUCTION ADMINISTRATION SERVICES**

**ATTACHMENT C  
IBI GROUP (FLORIDA) INC.  
SCOPE OF WORK AND COST PROPOSAL**



**PROPOSAL FOR  
PROFESSIONAL CONSULTING SERVICES AND  
LANDSCAPE ARCHITECTURE  
FOR  
TAYLOR ENGINEERING, INC.  
PROJECT: MSA-726 / EXCHANGE CLUB PARK  
TREE PRESERVATION SERVICES AND  
CONSTRUCTION ADMINISTRATION  
POMPANO BEACH, FLORIDA**

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IBI GROUP (FLORIDA) INC

PROPOSAL	
APPENDIX A	SCOPE OF SERVICES
APPENDIX B	DESCRIPTION OF SERVICES
APPENDIX C	STANDARD TERMS FOR CONSULTING AND SURVEYING SERVICES
APPENDIX D	SERVICES AVAILABLE BUT NOT INCLUDED IN THE PROPOSAL
APPENDIX E	SCHEDULE OF HOURLY RATES AND OTHER CHARGES



**IBI GROUP (FLORIDA) INC.**  
 2200 Park Central Boulevard North - Suite 100  
 Pompano Beach FL 33064 USA  
 tel 954 974 2200 fax 954 973 2686  
 ibigroup.com

RDiRienzo@taylorengeeneering.com

July 28, 2015

Mr. Robert DiRienzo  
 Taylor Engineering, Inc.  
 10151 Deerwood Park Blvd.  
 Building 300  
 Suite 300  
 Jacksonville FL, 32256

Dear DiRienzo:

Per your request, IBI Group (Florida) Inc. is pleased to submit this proposal to provide professional consulting and landscape architectural services for the subject project. This proposal is for on-site tree preservation and construction administration services.

The following is a description of the Consultant, the Client and the Project.

**Consultant:** IBI Group (Florida) Inc.  
**Consultant Contact:** Debra L. Hernandez, RLA  
**Client:** Taylor Engineering, Inc.  
**Client Contact:** Robert DiRienzo  
**Project Name & Location:** MSA-726 Exchange Club Park Phasing Plan  
 Pompano Beach, Florida  
**Proposal Includes:** Tree preservation services and construction administration including construction monitoring, clearing and grubbing observation, progress reports, construction submittal / RFI support and Phase 1 close-out services.  
 IBI Reference project number: 36318

IBI Group (Florida) Inc. proposes to render Professional Consulting and Landscape Architectural Services to CLIENT in connection with the above referenced PROJECT for the values depicted in Appendix A — Scope of Services and enumerated in Appendix B — Description of Services. Additional provisions of this proposal include Appendix C — Standard Terms for Consulting and Surveying Services; and Appendix E — Schedule of Hourly Rates and Other Charges for work not enumerated in the Scope of Services.

**Reimbursable Expenses:** Reimbursable expenses such as blueprinting, copying, same-day and overnight courier services, long distance phone charges, and travel expenses including airfare, accommodations and sustenance to be invoiced in accordance with Appendix E.

**Project Start and Completion Date:** Based upon our present schedule, we can begin your project within five ( 5 ) working days after we receive authorization to proceed.

**Acceptance:** Please sign and return one (1) original copy of this contract as your acceptance of this contract and your Notice to Proceed. Retain one original for your records. Unless earlier withdrawn, this proposal will remain valid for a period of thirty (30) days from the date of our submittal.

Yours truly,

IBI Group (Florida) Inc.



Patricia F. Ramudo, P.E.  
Engineering Manager

PFR:kk

Cc: Debra L. Hernandez, RLA

J:\36318\1.0 Contracts & Proposals\PTP - psi to Taylor - Tree Preservation & CA at MSA-726-2015-07-28-k.docx

**Attachments:**

Appendix A — Scope of Services

Appendix B — Description of Services

Appendix C — Standard Terms for Consulting and Surveying Services

Appendix D — Services Available But Not Included in this Proposal

Appendix E — Schedule of Hourly Rates and Other Charges

## ACCEPTANCE

Accepted and granting authority to proceed

**IBI GROUP (FLORIDA) INC.**

**IBI GROUP (FLORIDA) INC.**



per: Richard C. Wohlfarth, P.E.  
Chief Operating Officer



per: Timothy R. Foley, CPA  
Treasurer,  
Regional Director USA East

**TAYLOR ENGINEERING, INC.**

By:  
Title:

Date

**MSA-726 - EXCHANGE CLUB PARK – TREE PRESERVATION SERVICES AND CONSTRUCTION ADMINISTRATION**

**ACCEPTANCE OF PROPOSAL:** The above fees, terms and conditions are acceptable. You are authorized to proceed with the work as specified. Payment will be made as outlined.

---

---

Signature

---

Name & Title (Please Print or Type)

---

Company

---

Dated

---

Phone Number

---

Fax Number

---

Email Address

**PROJECT BILLING INFORMATION (IF DIFFERENT FROM ABOVE):**

---

Billing Contact Name

---

Billing Address

---

Billing Office or Department Name

---

Billing Contact Fax Number

---

Billing Email Address

---

Billing Contact Phone Number

## Appendix A — Scope of Services

### Professional Consulting and Landscape Architectural Services Estimate for MSA-726 - Exchange Club Park – Tree Preservation Services and Construction Administration – Pompano Beach, Florida

	Description	Hours	Hourly Rate	Sub Total	Total
<b>IBI Task C 1</b>	<b>Inspection – Observation - Bi-Monthly Meetings</b>				
C 1 – A	3 Inspection days @ 6 hours/day	18	\$115.00	\$2,070	
C 1 - B	Observation & Tree ID / Preservation during Clearing and Grubbing Activities 3 hours - 1 day x 3 days per week x 21 weeks Note: Includes Daily Reports & Photos	189	\$115.00	\$21,735	
C 1 - C	Attend Bi-Monthly Construction Meetings 11 meetings @ 1.5/hours each	16.5	\$115.00	\$1,900	
					\$25,705.00
<b>IBI Task C 2</b>	<b>Attend Phase I Pre-construction Meeting for Clearing &amp; Grubbing</b>				
C 2		4	\$115.00	\$460	\$ 460.00
<b>IBI Task 3</b>	<b>Construction Submittal / RFI Support</b>				
C 3	Respond to up to 5 construction submittal & 5 RFI responses - 1 hour each <b>** Hourly not to exceed</b>	10	\$115.00	\$1,150 NTE	
<b>IBI Task C 4</b>	<b>Construction Close-Out for Phase I - Clearing &amp; Grubbing</b>				
C 4 - A	Attend 2 additional meeting during construction close-out process - 2 meetings @ 2 hours	4	\$115.00	\$460	
C 4 – B	Provide assistance in reviewing record drawings / as-builts for TP content	4	\$115.00	\$460	
					\$ 920.00
<b>IBI Task C 5</b>	<b>Contingency</b>				
C 5	Up to 15 hours of project support time for unforeseen issues or unspecified items. <b>** Hourly not to exceed: 15 hours</b>	15	\$115.00	\$1,750 NTE	
<b>IBI Task C 6</b>	<b>Attend Pre-Bid Meeting / Bidding Assistance for Phase 2 – Landscape Installation</b>				
C 6 - A	Pre-Bid Meeting: 2 hours @ \$115.00 = \$230	2	\$115.00	\$230	
C 6 - B	Respond to written questions – 1 bid 1 Addendum	3	\$115.00	\$345	
					\$ 575.00
<b>IBI</b>	<b>Total Proposal – Lump Sum Items</b>				<b>\$27,660.00</b>
	<b>Hourly NTE Items (C3 and C5)</b>				<b>\$ 2,900.00</b>
					<b>\$30,560.00</b>

## Appendix B – Description of Services

### PROJECT DETAILS AND BACKGROUND

Consultant will work with Taylor Engineering, Inc. to develop a Phased Vegetation Removal and Landscape Plan for MSA-726 Exchange Club Park, Pompano Beach, Florida.

### SCOPE OF SERVICES

#### Task C1: Tree Preservation Services

**C1-A:** Pre-Construction Site Visits: Prior to the onset of Phase 1 – Clearing and Grubbing, IBI Group will perform three initial on-site inspections of the existing vegetation, in accessible areas, to identify, tag and document existing trees and palms suitable for preservation or relocation.

**C1-B:** Site Visits: During the Phase 1 Clearing and Grubbing activities IBI Group will perform continuous on-site visits (minimum 2 per week, average 3 per week) to further identify, tag and document existing trees and palms suitable for preservation or relocation as areas are cleared and become accessible. Furthermore, on-site visits will include construction observation services in coordination with the Clearing and Grubbing contractor to monitor and report on the vegetation removal progress, tree protection measures, mulch stockpile progress and content compliance, adherence to mangrove protection and other incidentals. IBI Group will prepare a report after each site visit to summarize observations and findings.

**C1-C:** Meeting Attendance: Attend the bi-monthly construction meeting, Estimate 11 meetings between Sept. 14<sup>th</sup> and February 14, 2016, not including no-work periods.

**C1-D:** Tree Preservation Plan: Upon completion of Phase 1 Clearing and Grubbing IBI Group will compile the preserved tree information and develop a Tree Preservation plan, which will inventory all existing vegetation retained on site and all proposed vegetation relocations and shall be included in the Phase 2 As-Built drawings. In addition the Tree Preservation information will be incorporated into the Phase 2 Landscape Plan as a design tool and for plant quantity reduction.

#### Task C2: Attend Phase 1 Pre-construction meeting – Clearing and Grubbing:

IBI Group shall attend the pre-construction meeting for the clearing and grubbing portion of this project (Phase 1) to address questions from the contractor regarding vegetation removal or preservation, and to clarify the expectations, requirements, project parameters and scheduling.

#### Task C3: Construction submittal / RFI support:

IBI Group shall address up to five (5) construction submittals / RFI's as needed on issues regarding vegetation or other closely related instances during the Clearing and Grubbing process.

#### Task C4: Construction Close-out – Phase 1 Clearing and Grubbing:

**C4-A:** IBI Group shall attend up to two (2) additional meeting during the construction close-out process of Phase 1 – Clearing and Grubbing.

**C4-B:** IBI Group will provide assistance in reviewing the record drawings or as-built drawing for accuracy and content on items pertaining to vegetation removal and / or preservation.

#### Task C5: Contingency:

IBI Group shall provide up to fifteen (15) hours of project support time to address unforeseen issues or items not specifically defined or described under this Appendix B – Description of Services.

#### Task C6: Attend Phase 2 Pre-bid meeting / Bidding Assistance – Landscape Installation:

**C6-A:** IBI Group shall attend the pre-bid meeting for the landscape installation portion of this project to address questions from bidders regarding vegetation relocation, plant material installation, watering, establishment period monitoring and maintenance.

**C6-B:** IBI Group will respond to written questions and one (1) bid addendum.

IBI Group intends to adhere to the project timeline and schedule of plan completion and progress goals as determined by Taylor Engineering.

IBI Group design plans shall comply with the pre-determined limits of construction and maintain a 25' separation from mangroves / wetlands to avoid environmental impact.

### NOTES

- Does not include submittal for permits or local requirements.
- Submittal and review fees are the responsibility of the Client.
- Additional services such as survey, can be provided upon request on an hourly rate basis in accordance with Appendix E – attached.

### REIMBURSABLE EXPENSES

Reimbursable Expenses such as blueprinting, copying, same-day and overnight courier services, and travel expenses including airfare, accommodations and sustenance to be invoiced in accordance with Appendix E.

### SCHEDULE OF SERVICES

Based upon our present schedule we can begin your project within five (5) working days after we receive authorization to proceed.

### ACCEPTANCE

Unless otherwise agreed, your acceptance of this proposal is also your notice to proceed. Unless earlier withdrawn, this proposal will remain valid for a period of thirty (30) days from the date of this letter.

## Appendix C — Standard Terms For Consulting and Surveying Services

### A. INITIAL SCOPE OF SERVICES:

Services to be performed under this section are those described in the Scope of Services. If the fee is not stated in the scope of services, then payment will be computed utilizing the current edition of Appendix E. Reimbursable expenses such as blueprinting, copying, long distance phone calls, same day messenger and overnight courier services are not included in service fees and will be invoiced in accordance with Appendix E as direct charges.

### B. PAYMENT FOR SERVICES:

CLIENT will be billed monthly for the work performed and expenses incurred during the preceding billing periods. Where services are being performed on a lump sum basis, CLIENT will be billed according to IBI Group (Florida) Inc. estimate of the percentage of work completed. Payment is due upon receipt. Invoices not paid within thirty (30) days shall incur interest thereafter at 1-1/4% per month (15% per annum) on the unpaid balance.

If CLIENT disputes the accuracy of any invoice, CLIENT shall so notify IBI Group (Florida) Inc. in writing within ten (10) days of receipt of said invoice. All invoices or portions thereof not disputed in writing are due and owing as previously provided. In the event any undisputed invoice remains due and owing more than sixty (60) days after receipt by the Client thereof, IBI Group (Florida) Inc. may suspend all work on the project until such time as the undisputed and/or disputed sums are paid or in the case of a disputed sum, the total amount in dispute is paid into an agreed escrow account pending resolution.

If IBI Group (Florida) Inc. retains an attorney to collect unpaid Fees or to enforce other rights under this Agreement, the CLIENT agrees to pay IBI Group (Florida) Inc. reasonable expenses including attorneys' fees, court costs, and the expenses of IBI Group (Florida) Inc. personnel including the cost of their time at current hourly billing rates.

#### Remittance Address:

#### Pompano Beach Office:

2200 Park Central Boulevard North-Suite 100

Pompano Beach FL 33064 United States

tel 954 974 2200

fax 954 973 2686

### C. TIME OF PERFORMANCE:

Services will be completed within the time frame stated in the Schedule of Services or if none is stated, within a reasonable time for the completion of a similar project. CLIENT acknowledges that the completion of a consultant's work may be dependent on factors beyond his control and agrees that IBI Group (Florida) Inc. is not responsible for the time of completion of work performed by other entities, governmental agencies, weather conditions and other factors beyond its control. In addition, CLIENT agrees that IBI Group (Florida) Inc. will not be expected to dedicate all of its personnel to the PROJECT, to hire additional personnel, or to perform the work in an inefficient manner so as to meet an unstated completion date or one that has been delayed by factors beyond IBI Group (Florida) Inc. control.

### D. PUBLIC LIABILITY INSURANCE:

IBI Group (Florida) Inc. maintains Standard Workers' Compensation and employer's liability insurance for our employees as required by Florida state law. In addition, we maintain comprehensive general liability and auto liability insurance with limits of \$2,000,000.00 and with an umbrella policy written for \$1,000,000.00; \$1,000,000.00 per occurrence bodily injury and property damage with a \$1,000,000 aggregate. A Certificate of Insurance can be supplied evidencing such coverage. We will not be liable or responsible for any loss, damage, or liability beyond the amounts, limits, coverage, or conditions of such insurance specified above.

### E. HAZARDOUS WASTE ON CLIENT'S PROPERTY:

In the event any third party brings suit or claim for damages against IBI Group (Florida) Inc. alleging exposure to or damage from material, elements or constituents at or from CLIENT'S facility before, during, or after the services of this Agreement, which is alleged to have resulted in or caused disease or any adverse health condition to any third party or resulting in cost for remedial action, uninhabitability of the property, or other property damage, then: CLIENT agrees to defend IBI Group (Florida) Inc. in any such suit or claim and pay on IBI Group (Florida) Inc. behalf any judgment resulting against IBI Group (Florida) Inc. including any interest thereon.

Further, CLIENT with IBI Group (Florida) Inc. concurrence will select, hire and pay an attorney to defend any such suit or claim, will pay Court costs for which IBI Group (Florida) Inc. may be liable in any such suit and will bear and pay litigation expenses CLIENT incurs in providing a reasonable and professional defense which will be provided by CLIENT according to prevailing local standards. CLIENT will have the right to investigate, negotiate and settle, with IBI Group (Florida) Inc. concurrence, any such suit or claim, and IBI Group (Florida) Inc. will cooperate in the defense of any such suit or claim.



## **F. PROFESSIONAL ERRORS AND OMISSIONS:**

IBI Group (Florida) Inc. maintains errors and omissions coverage in the amount of \$1.5 million each claim, \$3 million annual aggregate.

## **G. ADDITIONAL SERVICES:**

"Additional Services" are those services not described in the Scope of Services, which are requested by CLIENT or his agent/representative and accepted by IBI Group, Inc. Additional services will not be undertaken until authorization is received by IBI Group (Florida) Inc. from the Client or his agent/representative, and will be subject to all the terms and conditions of this Agreement and unless otherwise agreed in writing will be billed under the current version of the fee schedule of Appendix E. Appendix E is adjusted in August of each year in proportion to the previous year's increase in the Consumer Price Index. Revisions made after plat, survey and /or site plan approval or as directed by CLIENT as a result of changes in design objectives are additional services.

## **H. ESTIMATES OF CONSTRUCTION COST:**

If, as part of its services, IBI Group (Florida) Inc. provides an estimate of construction cost, then CLIENT, acknowledging that actual costs are subject to the unpredictability of competitive bidding and market conditions and that IBI Group (Florida) Inc. has no control over the costs of labor and materials, agrees that any estimate is made only on the basis of the judgment and experience of those making the estimate and published indices of construction costs and that IBI Group (Florida) Inc. is not responsible for actual costs exceeding IBI Group (Florida) Inc. estimate.

## **I. CONSTRUCTION OBSERVATION:**

Unless otherwise included in the Scope of Services or otherwise agreed in writing, IBI Group (Florida) Inc. shall not be responsible for monitoring or certification of construction and IBI Group (Florida) Inc. visits to the site are made for purposes relating to design and observation to determine if the work in general conforms to CLIENT'S stated objectives. CLIENT acknowledges that IBI Group (Florida) Inc. is not responsible for the means, methods and scheduling of construction or for the safety of the work. Unless specifically provided, IBI Group (Florida) Inc. has no authority to direct the contractor to stop the work.

Except where IBI Group (Florida) Inc. has been engaged to provide services as Resident Project Representative, IBI Group (Florida) Inc. will not certify performance of the work by the contractor to the CLIENT or any governmental or regulating authority. Where IBI Group (Florida) Inc. is retained for Resident Project Representative services, IBI Group (Florida) Inc. will endeavor to protect CLIENT and certification will be subject to IBI Group (Florida) Inc. observations of the work. IBI Group (Florida) Inc. will not be responsible for the contractor's failure to perform construction in accord with its contract, the applicable building and development codes and accepted construction practices.

The line item costs for Contract Administration and Resident Project Representation Services are based on the estimated duration of the construction phase of the project. If the budgeted duration is exceeded, IBI Group (Florida) Inc. will bill additional services on an hourly basis in accordance with Appendix E.

The duration of the construction phase is defined as the time between the Notice to Proceed and the time of substantial completion. Substantial completion shall be defined as when in the opinion of IBI Group (Florida) Inc. and as evidenced by Certificate of Substantial Completion work can be utilized for the intended purpose. Or, if there is no certificate issued, substantial completion shall be at the time of recommendation of final payment.

CLIENT acknowledges that IBI Group (Florida) Inc. has limited influence over contractor(s) and sub-contractor(s) and is not responsible for sub-standard work and further may require additional services on an hourly basis in accordance with Appendix E to monitor construction beyond the intent of this agreement.

## **J. SHOP DRAWINGS:**

IBI Group (Florida) Inc. examination and approval of shop drawings shall be for the purpose of verifying in general if the shop drawings conform to the design intent of the project. IBI Group (Florida) Inc. shall not be responsible for approval of shop drawings where deviations from and non-conformity with the requirements of the plans and specifications have not been specifically noted on the shop drawings as deviations and non-conformity at the time of submission to IBI Group (Florida) Inc.

## **K. OWNERSHIP AND USE OF DOCUMENTS:**

Unless otherwise provided for in the Scope of Services, original plans, field notes, work product, specifications, computer data and all other information developed by IBI Group (Florida) Inc. hereunder shall remain the exclusive property of IBI Group (Florida) Inc. Upon final payment CLIENT may request copies of all such materials for CLIENT'S records at CLIENT'S expense; however, Client agrees not to utilize any such documents on projects other than the project designed by IBI Group (Florida) Inc. unless IBI Group (Florida) Inc. has approved such use in writing.

#### **L. CLIENT'S RESPONSIBILITIES:**

CLIENT shall provide all criteria and full information as to its requirements for the project, including any special or extraordinary considerations or services needed; make available all pertinent existing data including all permit application and governmental inspection fees; data prepared by, or services required of others, such as subsurface explorations, laboratory tests and inspections of samples, materials and equipment; appropriate professional interpretations of all of the foregoing; surveys, title information, property descriptions; zoning and deed restrictions; site plans, landscaping plans, architectural floor plans and elevations; and other special data as may be required for the performance of the Scope of Services, all of which IBI Group (Florida) Inc. will rely upon in performing its services concerning the project and the site of the project; and give prompt written notice to IBI Group (Florida) Inc. whenever CLIENT becomes aware of any defect in the work. Notwithstanding the provisions of design and site supervision services, IBI Group (Florida) Inc. shall not be responsible (financially or otherwise) for data or documentation, relative to the project, supplied by others that may negatively impact the design or construction implementation of the project.

CLIENT may accept this Agreement by giving oral direction to proceed.

CLIENT shall pay all fees required for permitting and construction through the completion of the project.

CLIENT shall make provisions for IBI Group (Florida) Inc. safe and legal access to public and private property.

In the event CLIENT does not designate a specific person to act on CLIENT's behalf for this project, then CLIENT's representative will be that person who executed this contract or who directed IBI Group (Florida) Inc. to begin performance.

By authorizing IBI Group (Florida) Inc. to proceed with services, CLIENT acknowledges that it is the legal owner of the property or alternatively that CLIENT has secured the acknowledgment of the legal owner that the legal owner is a direct party to the Agreement for IBI Group (Florida) Inc. services, that the services are for the purpose of improving the legal owner's property and that the legal owner has agreed to be bound as a party to the terms of this Agreement.

#### **M. NOTICE UNDER THIS AGREEMENT:**

Notice required under this agreement shall be given by registered or certified mail.

#### **N. ALLOCATION OF RISK:**

CLIENT and IBI Group (Florida) Inc. agree that IBI Group (Florida) Inc. total liability arising under the obligations of this agreement to the CLIENT is limited to IBI Group (Florida) Inc. total fees received from CLIENT.

In consideration of the sum of \$10.00 credited to the CLIENT's account, CLIENT agrees to indemnify and hold IBI Group (Florida) Inc. harmless from any claims and/or awards of damages in excess of IBI Group (Florida) Inc. total fees received under this agreement. IBI Group (Florida) Inc. shall not be liable in any amount to CLIENT for any indirect or consequential damages alleged to have resulted from performance or non-performance of this agreement including, but not limited to, loss of use, loss of profit, or business interruption.

#### **O. SURVEYING SERVICES:**

Since IBI Group (Florida) Inc. has no recourse against other individuals who may enter the site, all surveying services are provided on a "one time only" basis. If any field markers (stakes, PRM's, PCP's, bench marks, etc.) are damaged or missing and are required for future construction or approvals, such markers will be replaced by IBI Group (Florida) Inc. at the hourly and expense rates as shown in Appendix E.

#### **P. DISPUTE RESOLUTION:**

All disputes between the parties to this agreement where the aggregate amount in dispute is less than or equal to \$50,000.00 shall be decided by arbitration in accordance with the Construction Industry Arbitration rules of the American Arbitration Association. In the event of arbitration, each party will make all documents concerning the project available to the other party for inspection and copying at least twenty (20) days prior to the commencement of the scheduled arbitration hearings. In addition, each party will disclose all expert witnesses at least twenty (20) days prior to the commencement of the scheduled arbitration hearings and make those witnesses available for deposition at least five (5) days before commencement.

In no event shall the demand for arbitration be made after the date when institution of legal or equitable proceedings based on such claim, dispute, or other matter in question would be barred by the applicable statutes of limitations.

No arbitration arising out of or relating to this Agreement shall include, by consolidation, joinder, or in any other manner an additional person or entity not a party to this Agreement, except by written consent.

The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.

#### **Q. TERMINATION:**

This Agreement may be terminated by either party by giving fourteen (14) calendar days advance written notice. IBI Group (Florida) Inc. shall be paid for services rendered to the Date of termination on the basis of their reasonable estimate of the portion of their services completed prior to termination, and shall be paid for all its reasonable expenses resulting from such termination and for any unpaid reimbursable expenses.

under applicable law.

#### **R. MISCELLANEOUS:**

This Agreement together with the Exhibits and schedules identified above shall constitute the entire agreement between the CLIENT and IBI Group (Florida) Inc. It will supersede all prior written and oral understandings. It shall be construed according to the laws of the state of Florida. This Agreement and said Exhibits and schedules may only be amended, supplemented, modified or canceled by a duly executed written instrument. Venue for any action brought under this Agreement including arbitration shall be in the Florida County where IBI Group (Florida) Inc. office for the performance of these services is located. The separate provisions of this Agreement are severable to the extent that any are unenforceable

#### **S. SUSPENSION OF WORK BY IBI GROUP (FLORIDA) INC.**

CLIENT shall indemnify and hold IBI Group (Florida) Inc. harmless for all damages (financial or otherwise) experienced by the CLIENT or others as a result of IBI Group (Florida) Inc. suspension of work due to non-compliance by CLIENT or others with any provisions of this agreement including non-payment. In consideration of this provision, CLIENT's account will be credited with \$10.00 at commencement of IBI Group (Florida) Inc. services.

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**Appendix D -- Services Available But Not Included In This Proposal**

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The following services are excluded from this proposal and if required, would be expedited in accordance with applicable rates as per attached Appendix E or at a fee negotiated prior to the work commencing.

1. Traffic Studies related to off-site roads and/or ingress/egress from the site.
2. Noise abatement reports together with construction implementation and certification thereof.
3. Off-site works of any kind including studies and reports related to encroachments and/or certification of master drainage, sewage and water systems that may impact the project.
4. Traffic signals - reports and/or design.
5. Cost sharing and Impact Fee Negotiations, Calculations and Reports.
6. Preparation, testimony and/or resolution of environmental and/or other technical issues that may impact the project.
7. Structural Design Inspection and Certification for items such as retaining walls, foundation, bridges, sound fences, etc.
8. Final engineering for roads, water, sewer & drainage piping.
9. Off-site mitigation investigation and designs.
10. Tree removal survey and/or permits.

## Appendix E -- Schedule of Hourly Rates and Other Charges

(Rates effective for services performed between FEBRUARY 28, 2014 through October 31, 2015)

### HOURLY RATES-PERSONNEL & EQUIPMENT

#### PRINCIPAL

Associate Director/Director = \$300.00/hour  
Principal (Registered) Architect,  
Engineer, Transportation Engineer,  
Landscape Architect = \$225.00/hour

Associate Senior Project Manager = \$195.00/hour  
Principal Prof. Land Surveyor = \$185.00/hour  
Principal Planner = \$175.00/hour  
Principal/Senior Project Manager = \$175.00/hour

#### PROFESSIONALS/TECHNICIANS

Traffic Engineering Manager = \$200.00/hour  
Senior Project Manager = \$175.00/hour  
Traffic Engineering Specialist = \$150.00/hour  
Project Manager = \$120.00/hour  
Assistant Project Manager = \$100.00/hour  
Engineering Intern = \$ 95.00/hour  
Senior Transportation Technician = \$135.00/hour  
Senior CADD Technician = \$105.00/hour  
CADD Technician = \$ 75.00/hour

#### LANDSCAPE ARCHITECT/PLANNER

Registered Landscape Architect = \$115.00/hour  
Landscape Architect = \$110.00/hour  
Senior Landscape Designer = \$ 85.00/hour  
Landscape Designer = \$ 75.00/hour  
Senior Planner = \$125.00/hour  
Planner = \$ 85.00/hour

#### RESIDENT PROJECT REPRESENTATIVE

Construction Observer = \$ 75.00/hour

#### SURVEYOR/SURVEY CREW

Registered PSM/Project Manager = \$130.00/hour  
3-Man Survey Crew = \$175.00/hour  
2-Man Survey Crew = \$125.00/hour  
Land Surveyor = \$110.00/hour

*Other services upon request.*

#### SYSTEMS / SOFTWARE

Chief Engineer = \$250.00/hour  
Senior Engineer = \$175.00/hour  
Architect / Engineer = \$125.00/hour  
Senior Developer = \$175.00/hour  
Intermediate Developer = \$125.00/hour  
Developer = \$100.00/hour  
Support = \$85.00/hour

#### CLERICAL

Administrative Assistant = \$65.00/hour

#### MISCELLANEOUS

Professional Representation = \$275.00/hour  
Preparation for and Courtroom  
Appearance, Depositions and Testimony

### REIMBURSABLE EXPENSES

#### Reproductions

Xerographic Prints (in house) = \$ 1.75/each  
Standard Size Color Plots = \$65.00/each  
(24" x 36")  
Large Color Plots = \$75.00/each  
Photostats, Mylar-Reproducibles = At cost plus 15%  
Xerox Copies = \$ .15/sheet  
Color Xerox Copies  
8 1/2 x 11 = \$ 2.00/each  
8 1/2 x 14 = \$ 2.50/each  
11 x 17 = \$ 3.00/each  
Fax Transmittals = \$ 1.00/sheet

Outside Consultants Services At cost plus 15%

Equipment At cost plus 15%

#### Federal Express and

Immediate Courier Service At cost plus 15%

Commercial Air Travel At cost plus 15%

Long Distance Phone At cost plus 15%

Mileage Expenses = \$ .575/mile At cost plus 15%

Toll Expenses At Cost plus 15%

**MSA 726 CLEARING & LANDSCAPING PROJECT  
BROWARD COUNTY, FLORIDA  
PROFESSIONAL CONSTRUCTION ADMINISTRATION SERVICES**

**ATTACHMENT D  
TERRACON CONSULTANTS, INC.  
SCOPE OF WORK AND COST PROPOSAL**



## Standard Short-Form Agreement

Describing a specific agreement between Terracon Consultants, Inc. (the Consultant), and TAYLOR ENGINEERING INC. (the Client), in accordance with Terracon's Agreement For Services.

**Identification of Project:**

**Consultation Regarding**  
Construction Vibrations  
MSA-726 Clearing & Grubbing  
Pompano Beach, Florida

**Client:**

**Taylor Engineering, Inc.**  
10151 Deerwood Park Boulevard  
Building 300, Suite 300  
Jacksonville, Florida 32256  
Attention: Mr. Robert J. DiRienzo

**General category of services:**

Geotechnical Engineering

**Specific scope of services:**

- Attend a pre-construction site meeting with the client and the clearing contractor to discuss the means and methods to be employed by the former and the objectives of a ground vibration monitoring program that will accompany the work.
- Retain a vibration monitoring subconsultant (Geo-Sonics, Inc.) to install self-recording seismographs at key positions along the site's property lines where ground vibration measurements will be made.
- Review the vibration monitoring data on a daily basis to assure that the vibration levels comply with recognized threshold values with respect to building and infrastructure component distress.
- If necessary, assist the client and contractor in modifying the site clearing means and methods necessary to maintain vibration levels within tolerable levels.
- Submit a weekly report that summarizes the ground vibration data for that period and a summary report at the conclusion of the land clearing which overviews the work accomplished and discusses any impacts that arose from ground vibrations resulting from it.

**Additional services (if required):**

None anticipated at this time.

**Schedule:**

To be determined by client.

**Deliverables:**

Weekly reports of daily vibration measurements and a summary report at the conclusion of the work.

**Method of compensation:**

Time and expense basis per the unit fees contained in the attached list with a maximum limiting ("not-to-exceed") amount of \$17,500 for a five month monitoring period expected to run from September 2015 through February 2016. The limiting amount includes not more than three changes of seismograph position per month and no meeting attendance other than the kickoff.

**Special terms of compensation:**

Invoice to be paid within 30 days of its date. Other terms and conditions relating to the engagement of Terracon Consultants, Inc. for this assignment are described in the Agreement For Services. The Agreement For Services is hereby incorporated into and made part of this proposal.

**Other instructions:**

To authorize the work, please sign below, execute the Agreement For Services and send a copy of each for our files.

Accepted with Terracon Agreement For Services by:

**CLIENT:**

**TAYLOR ENGINEERING, INC.**

By: \_\_\_\_\_

(Authorized Representative's Signature)

Title: \_\_\_\_\_

**Robert J. DiRienzo**

(Printed Name/Title)

Date: \_\_\_\_\_

**CONSULTANT:**

**TERRACON CONSULTANTS, INC.**

By: \_\_\_\_\_

(Authorized Representative's Signature)

Title: \_\_\_\_\_

**Douglas S. Dunkelberger, P.E. / Principal**

(Printed Name/Title)

Date: \_\_\_\_\_

**July 27, 2015**





### UNIT FEE LIST

**Consultant Regarding  
Construction Vibrations  
MSA-726 Clearing & Grubbing  
Pompano Beach, Florida**

<b>Personnel Category <u>or item</u></b>	<b><u>Unit Fee</u></b>
Senior engineer	\$165.00 per hour
Project engineer	\$140.00 per hour
Secretary	\$55.00 per hour
Vibration monitoring technician	\$95.00 per hour*
Seismograph	\$800.00 per month per unit*

\*Subcontractor unit fees will be charged at listed cost plus 15 percent.

## AGREEMENT FOR SERVICES

This **AGREEMENT** is between Taylor Engineering, Inc. ("Client") and Terracon Consultants, Inc. ("Consultant") for Services to be provided by Consultant for Client on the Consultation Regarding Construction Vibrations - MSA-726 Clearing & Landscaping project ("Project"), as described in the Project Information section of Consultant's Proposal dated 03/31/2015 ("Proposal") unless the Project is otherwise described in Exhibit A to this Agreement (which section or Exhibit is incorporated into this Agreement).

1. **Scope of Services.** The scope of Consultant's services is described in the Scope of Services section of the Proposal ("Services"), unless Services are otherwise described in Exhibit B to this Agreement (which section or exhibit is incorporated into this Agreement). Portions of the Services may be subcontracted. Consultant's Services do not include the investigation or detection of, nor do recommendations in Consultant's reports address the presence or prevention of biological pollutants (e.g., mold, fungi, bacteria, viruses, or their byproducts) or occupant safety issues, such as vulnerability to natural disasters, terrorism, or violence. If Services include purchase of software, Client will execute a separate software license agreement. Consultant's findings, opinions, and recommendations are based solely upon data and information obtained by and furnished to Consultant at the time of the Services.
2. **Acceptance/ Termination.** Client agrees that execution of this Agreement is a material element of the consideration Consultant requires to execute the Services, and if Services are initiated by Consultant prior to execution of this Agreement as an accommodation for Client at Client's request, both parties shall consider that commencement of Services constitutes formal acceptance of all terms and conditions of this Agreement. Additional terms and conditions may be added or changed only by written amendment to this Agreement signed by both parties. In the event Client uses a purchase order or other form to administer this Agreement, the use of such form shall be for convenience purposes only and any additional or conflicting terms it contains are stricken. This Agreement shall not be assigned by either party without prior written consent of the other party. Either party may terminate this Agreement or the Services upon written notice to the other. In such case, Consultant shall be paid costs incurred and fees earned to the date of termination plus reasonable costs of closing the project.
3. **Change Orders.** Client may request changes to the scope of Services by altering or adding to the Services to be performed. If Client so requests, Consultant will return to Client a statement (or supplemental proposal) of the change setting forth an adjustment to the Services and fees for the requested changes. Following Client's review, Client shall provide written acceptance. If Client does not follow these procedures, but instead directs, authorizes, or permits Consultant to perform changed or additional work, the Services are changed accordingly and Consultant will be paid for this work according to the fees stated or its current fee schedule. If project conditions change materially from those observed at the site or described to Consultant at the time of proposal, Consultant is entitled to a change order equitably adjusting its Services and fee.
4. **Compensation and Terms of Payment.** Client shall pay compensation for the Services performed at the fees stated in the Compensation section of the Proposal unless fees are otherwise stated in Exhibit C to this Agreement (which section or Exhibit is incorporated into this Agreement). If not stated in either, fees will be according to Consultant's current fee schedule. Fee schedules are valid for the calendar year in which they are issued. Fees do not include sales tax. Client will pay applicable sales tax as required by law. Consultant may invoice Client at least monthly and payment is due upon receipt of invoice. Client shall notify Consultant in writing, at the address below, within 15 days of the date of the invoice if Client objects to any portion of the charges on the invoice, and shall promptly pay the undisputed portion. Client shall pay a finance fee of 1.5% per month, but not exceeding the maximum rate allowed by law, for all unpaid amounts 30 days or older. Client agrees to pay all collection-related costs that Consultant incurs, including attorney fees. Consultant may suspend Services for lack of timely payment. It is the responsibility of Client to determine whether federal, state, or local prevailing wage requirements apply and to notify Consultant if prevailing wages apply. If it is later determined that prevailing wages apply, and Consultant was not previously notified by Client, Client agrees to pay the prevailing wage from that point forward, as well as a retroactive payment adjustment to bring previously paid amounts in line with prevailing wages. Client also agrees to defend, indemnify, and hold harmless Consultant from any alleged violations made by any governmental agency regulating prevailing wage activity for failing to pay prevailing wages, including the payment of any fines or penalties.
5. **Third Party Reliance.** This Agreement and the Services provided are for Consultant and Client's sole benefit and exclusive use with no third party beneficiaries intended. Reliance upon the Services and any work product is limited to Client, and is not intended for third parties. For a limited time period not to exceed three months from the date of the report, Consultant will issue additional reports to others agreed upon with Client, however Client understands that such reliance will not be granted until those parties sign and return Consultant's reliance agreement and Consultant receives the agreed-upon reliance fee.
6. **LIMITATION OF LIABILITY.** CLIENT AND CONSULTANT HAVE EVALUATED THE RISKS AND REWARDS ASSOCIATED WITH THIS PROJECT, INCLUDING CONSULTANT'S FEE RELATIVE TO THE RISKS ASSUMED, AND AGREE TO ALLOCATE CERTAIN OF THE ASSOCIATED RISKS. TO THE FULLEST EXTENT PERMITTED BY LAW, THE TOTAL AGGREGATE LIABILITY OF CONSULTANT (AND ITS RELATED CORPORATIONS AND EMPLOYEES) TO CLIENT AND THIRD PARTIES GRANTED RELIANCE IS LIMITED TO THE GREATER OF \$50,000 OR CONSULTANT'S FEE, FOR ANY AND ALL INJURIES, DAMAGES, CLAIMS, LOSSES, OR EXPENSES (INCLUDING ATTORNEY AND EXPERT FEES) ARISING OUT OF CONSULTANT'S SERVICES OR THIS AGREEMENT. PRIOR TO ACCEPTANCE OF THIS AGREEMENT AND UPON WRITTEN REQUEST FROM CLIENT, CONSULTANT MAY NEGOTIATE A HIGHER LIMITATION FOR ADDITIONAL CONSIDERATION. THIS LIMITATION SHALL APPLY REGARDLESS OF AVAILABLE PROFESSIONAL LIABILITY INSURANCE COVERAGE, CAUSE(S) OR THE THEORY OF LIABILITY, INCLUDING NEGLIGENCE, INDEMNITY, OR OTHER RECOVERY. THIS LIMITATION SHALL NOT APPLY TO THE EXTENT THE DAMAGE IS PAID UNDER CONSULTANT'S COMMERCIAL GENERAL LIABILITY POLICY.
7. **Indemnity/Statute of Limitations.** Consultant and Client shall indemnify and hold harmless the other and their respective employees from and against legal liability for claims, losses, damages, and expenses to the extent such claims, losses, damages, or expenses are legally determined to be caused by their negligent acts, errors, or omissions. In the event such claims, losses, damages, or expenses are legally determined to be caused by the joint or concurrent negligence of Consultant and Client, they shall be borne by each party in proportion to its own negligence under comparative fault principles. Neither party shall have a duty to defend the other party, and no duty to defend is hereby created by this indemnity provision and such duty is explicitly waived under this Agreement. Causes of action arising out of Consultant's services or this Agreement regardless of cause(s) or the theory of liability, including negligence, indemnity or other recovery shall be deemed to have accrued and the applicable statute of limitations shall commence to run not later than the date of Consultant's substantial completion of services on the project.
8. **Warranty.** Consultant will perform the Services in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. **EXCEPT FOR THE STANDARD OF CARE PREVIOUSLY STATED, CONSULTANT MAKES NO WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, RELATING TO CONSULTANT'S SERVICES AND CONSULTANT DISCLAIMS ANY IMPLIED WARRANTIES OR WARRANTIES IMPOSED BY LAW, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**
9. **Insurance.** Consultant represents that it now carries, and will continue to carry: (i) workers' compensation insurance in accordance with the laws of the states having jurisdiction over Consultant's employees who are engaged in the Services, and employer's liability insurance (\$1,000,000); (ii) commercial general liability insurance (\$1,000,000 occ / \$2,000,000 agg); (iii) automobile liability insurance (\$1,000,000 B.I. and P.D. combined single



limit); and (iv) professional liability insurance (\$1,000,000 claim / agg). Certificates of insurance will be provided upon request. Client and Consultant shall waive subrogation against the other party on all general liability and property coverage.

**10. CONSEQUENTIAL DAMAGES. NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR LOSS OF PROFITS OR REVENUE; LOSS OF USE OR OPPORTUNITY; LOSS OF GOOD WILL; COST OF SUBSTITUTE FACILITIES, GOODS, OR SERVICES; COST OF CAPITAL; OR FOR ANY SPECIAL, CONSEQUENTIAL, INDIRECT, PUNITIVE, OR EXEMPLARY DAMAGES.**

**11. Dispute Resolution.** Client shall not be entitled to assert a Claim against Consultant based on any theory of professional negligence unless and until Client has obtained the written opinion from a registered, independent, and reputable engineer, architect, or geologist that Consultant has violated the standard of care applicable to Consultant's performance of the Services. Client shall provide this opinion to Consultant and the parties shall endeavor to resolve the dispute within 30 days, after which Client may pursue its remedies at law. This Agreement shall be governed by and construed according to Kansas law.

**12. Subsurface Explorations.** Subsurface conditions throughout the site may vary from those depicted on logs of discrete borings, test pits, or other exploratory services. Client understands Consultant's layout of boring and test locations is approximate and that Consultant may deviate a reasonable distance from those locations. Consultant will take reasonable precautions to reduce damage to the site when performing Services; however, Client accepts that invasive services such as drilling or sampling may damage or alter the site. Site restoration is not provided unless specifically included in the Services.

**13. Testing and Observations.** Client understands that testing and observation are discrete sampling procedures, and that such procedures indicate conditions only at the depths, locations, and times the procedures were performed. Consultant will provide test results and opinions based on tests and field observations only for the work tested. Client understands that testing and observation are not continuous or exhaustive, and are conducted to reduce - not eliminate - project risk. Client agrees to the level or amount of testing performed and the associated risk. Client is responsible (even if delegated to contractor) for requesting services, and notifying and scheduling Consultant so Consultant can perform these Services. Consultant is not responsible for damages caused by services not performed due to a failure to request or schedule Consultant's services. Consultant shall not be responsible for the quality and completeness of Client's contractor's work or their adherence to the project documents and Consultant's property.

Concepts, systems, and ideas developed during performance of the Services shall remain the sole property of Consultant. Files created in accordance with Consultant's document retention policies and practices.

Client shall provide the location and/or arrange for the marking of private utilities and subterranean structures. Consultant shall take reasonable precautions to avoid damage or injury to subterranean structures or utilities. Consultant shall not be responsible for damage to utilities that are not called to Consultant's attention, are not correctly marked, including by a utility locate service, or are not shown on plans furnished to Consultant.

**Safety.** Client shall secure all necessary site related approvals, permits, licenses, and consents necessary to commence and perform the Services and will execute any necessary site access agreement. Consultant will be responsible for supervision and site safety measures but shall not be responsible for the supervision or health and safety precautions for any other parties, including Client, Client's contractors, or other parties present at the site.

**TO SECTION 558.0035 OF FLORIDA STATUTES, AN INDIVIDUAL CONSULTANT OR AGENT OF CONSULTANT MAY NOT BE HELD INDIVIDUALLY LIABLE.**

Consultants, Inc.  
Date: **7/27/2015**  
**S. Dunkelberger, P.E. / Principal**  
**33rd Ave. Suite 201**  
**Jacksonville, FL 32209**  
Phone: **(954) 741-8240**  
Fax: **(954) 741-8240**  
Email: **sdunkelberger@terracon.com**

Client: **Taylor Engineering, Inc.**  
By: \_\_\_\_\_ Date: \_\_\_\_\_  
Name/Title: **Robert J. DiRienzo, E.I.**  
Address: **10151 Deerwood Park Boulevard, Building 300, Suite 300**  
**Jacksonville, Florida 32256**  
Phone: **(904) 731-7040** Fax: \_\_\_\_\_  
Email: **rdirienzo@taylorentengineering.com**

Reference Number:

property. Proprietary c shall be maintained in  
**16. Utilities.** Client shall take reasonable precaution to avoid damage to subterranean structure incorrectly shown on the plans.  
**17. Site Access and Safety.** Client shall complete the Services for its own employees, contractors, subcontractors, and other parties present at the site.  
**PURSUANT TO SECTION 558.0035 OF FLORIDA STATUTES, AN INDIVIDUAL CONSULTANT OR AGENT OF CONSULTANT MAY NOT BE HELD INDIVIDUALLY LIABLE.**

Consultant: **Terracon**  
By: \_\_\_\_\_  
Name/Title: **Douglas**  
Address: **5371 NW**  
**Ft. Lauderdale, FL 33309**  
Phone: **(954) 741-8240**  
Email: **Doug.Du**

**14. Sample Disposition, Affected Materials, and Indemnity**

Client shall be responsible for the disposition of all samples and materials affected by the Services. Consultant shall not be responsible for the disposition of any samples or materials. Client shall indemnify and hold Consultant harmless from and against all claims, damages, costs, and expenses, including reasonable attorneys' fees, arising out of or from the Services, whether or not caused in whole or in part by the negligence of Consultant. This obligation shall survive the termination or expiration of this Agreement.

**15. Ownership of Documents**

# **FLORIDA INLAND NAVIGATION DISTRICT**

## **BROWARD DEEPENING BID QUALIFICATION, BROWARD COUNTY, FLORIDA**

2 p.m. August 6, 2015

### **Bid Qualification List**

#### **NAME OF FIRM**

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**Great Lakes Dredg and Dock**  
2122 York Rd  
Oak Brook IL 60523

**Ferreira Construction Southern Division Co. Inc.**  
100 SE Salerno Rd  
Stuart, FL 34997

**Cashman Dredging**  
549 South Quincy,  
MA 02169

**Weeks Marine Inc.**  
304 Gaille Dr.  
Covington, LA 70433

**Orion Marine Group**  
5440 West Tyson Ave  
Tampa, FL 33611

## BROWARD DEEPENING PROJECT EVALUATION FORM

**CONTRACTOR:** \_\_\_\_\_

SECTION		POINT VALUE
1	<b>CONTRACTOR PROFILE</b> Firm profile (and general compliance with overall RFQ requirements) will be evaluated. Items to be considered include: <ul style="list-style-type: none"> <li>• Information regarding firm background and licenses/certificates attached</li> <li>• Presentation in a bound format</li> <li>• Presentation in the paper size, format and order requested</li> <li>• Presentation number of pages not exceeded</li> <li>• Requested number of copies submitted</li> </ul>	
2	<b>STAFF CREDENTIALS AND PROJECT TEAM</b> The qualifications will be evaluated on the basis of the Contractor's demonstrated staff credentials. Items to be considered include: <ul style="list-style-type: none"> <li>• Years of dredging experience</li> <li>• Contractors profile and project team</li> <li>• Specific experience and functions of project team</li> <li>• Established team; how long they have worked together</li> <li>• Ability to meet the minimum requirements for the Site Safety and Health Officer and Dredge/Excavator Operators</li> <li>• Communication skills and accessibility</li> </ul>	
3	<b>QUALITY CONTROL</b> Qualifications will be evaluated on the quality control process to be implemented to ensure that work can be completed in a timely manner in compliance with all stated permit conditions: <ul style="list-style-type: none"> <li>• Timely accomplishment of required objectives</li> <li>• Adherence to permit conditions including, but not limited to, all environmental monitoring criteria</li> <li>• Personnel assignments/project management to provide effective delivery</li> <li>• Contractor's accountability for QA/QC of internal and external (sub consultants) staff</li> <li>• Project budget tracking and billing</li> <li>• Contractors process for completing projects within approved budgets, preventing time delays, and minimizing Change Orders</li> <li>• Project schedule tracking</li> </ul>	
4	<b>SIMILAR PROJECTS</b> Successful mechanical dredging projects within marine waters in the last 7 years. Additional points will be added for similar environmental, limestone, and South Florida projects.	
5	<b>TECHNICAL APPROACH</b> Equipment list and Dredge Plan will be evaluated based on Contractors understanding of the project; written ability to successfully accomplish the project, and the use of previously completed projects to indicate the successful accomplishment of the project with no environmental impacts.	
6	<b>REFERENCES</b> <ul style="list-style-type: none"> <li>• Submission in required format</li> <li>• Satisfactory response from contacts regarding project performance</li> <li>• Timely execution of projects with zero environmental impacts</li> </ul> <i>Zero points may be awarded for references with the incorrect contact information.</i>	
<b>POINTS</b>		

**Signature of Evaluator:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## BROWARD DEEPENING PROJECT EVALUATION FORM

**CONTRACTOR:** \_\_\_\_\_

SECTION		POINT VALUE
1	<b>CONTRACTOR PROFILE</b> Firm profile (and general compliance with overall RFQ requirements) will be evaluated. Items to be considered include: <ul style="list-style-type: none"> <li>• Information regarding firm background and licenses/certificates attached</li> <li>• Presentation in a bound format</li> <li>• Presentation in the paper size, format and order requested</li> <li>• Presentation number of pages not exceeded</li> <li>• Requested number of copies submitted</li> </ul>	
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5	<b>TECHNICAL APPROACH</b> Equipment list and Dredge Plan will be evaluated based on Contractors understanding of the project; written ability to successfully accomplish the project, and the use of previously completed projects to indicate the successful accomplishment of the project with no environmental impacts.	
6	<b>REFERENCES</b> <ul style="list-style-type: none"> <li>• Submission in required format</li> <li>• Satisfactory response from contacts regarding project performance</li> <li>• Timely execution of projects with zero environmental impacts</li> </ul> <i>Zero points may be awarded for references with the incorrect contact information.</i>	
<b>POINTS</b>		

**Signature of Evaluator:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## EVALUATION FORM

**CONTRACTOR:** \_\_\_\_\_

SECTION		MAXIMUM POINT VALUE
1	<b>CONTRACTOR PROFILE</b> Firm profile (and general compliance with overall RFQ requirements) will be evaluated. Items to be considered include: <ul style="list-style-type: none"> <li>• Information regarding firm background and licenses/certificates attached</li> <li>• Presentation in a bound format</li> <li>• Presentation in the paper size, format and order requested</li> <li>• Presentation number of pages not exceeded</li> <li>• Requested number of copies submitted</li> </ul>	5
2	<b>STAFF CREDENTIALS AND PROJECT TEAM</b> The qualifications will be evaluated on the basis of the Contractor's demonstrated staff credentials. Items to be considered include: <ul style="list-style-type: none"> <li>• Years of dredging experience</li> <li>• Contractors profile and project team</li> <li>• Specific experience and functions of project team</li> <li>• Established team; how long they have worked together</li> <li>• Ability to meet the minimum requirements for the Site Safety and Health Officer and Dredge/Excavator Operators</li> <li>• Communication skills and accessibility</li> </ul>	10
3	<b>QUALITY CONTROL</b> Qualifications will be evaluated on the quality control process to be implemented to ensure that work can be completed in a timely manner in compliance with all stated permit conditions: <ul style="list-style-type: none"> <li>• Timely accomplishment of required objectives</li> <li>• Adherence to permit conditions including, but not limited to, all environmental monitoring criteria</li> <li>• Personnel assignments/project management to provide effective delivery</li> <li>• Contractor's accountability for QA/QC of internal and external (sub consultants) staff</li> <li>• Project budget tracking and billing</li> <li>• Contractors process for completing projects within approved budgets, preventing time delays, and minimizing Change Orders</li> <li>• Project schedule tracking</li> </ul>	20
4	<b>SIMILAR PROJECTS</b> Successful mechanical dredging projects within marine waters in the last 7 years. Additional points will be added for similar environmental, limestone, and South Florida projects.	25
5	<b>TECHNICAL APPROACH</b> Equipment list and Dredge Plan will be evaluated based on Contractors understanding of the project; written ability to successfully accomplish the project, and the use of previously completed projects to indicate the successful accomplishment of the project with no environmental impacts.	30
6	<b>REFERENCES</b> <ul style="list-style-type: none"> <li>• Submission in required format</li> <li>• Satisfactory response from contacts regarding project performance</li> <li>• Timely execution of projects with zero environmental impacts</li> </ul> <i>Zero points may be awarded for references with the incorrect contact information.</i>	10
<b>MAXIMUM POINTS</b>		<b>100</b>

**Contractor Score:** \_\_\_\_\_

**Signature of Evaluator:** \_\_\_\_\_ **Date:**

\_\_\_\_\_



**BROWARD DEEPENING PROJECT**  
**REFERENCE CALLS FOR**  
**AUGUST 2015**

**CONTACT NAME:**

**COMPANY/ORGANIZATION:**

**PHONE NUMBER:**

Rating Criteria			Excellent	Very Good	Good	Poor	Comments
<b>Reference Call Information</b>	1	How would you rate their overall quality of work performed?					
	2	How would you rate the timeliness of their work and ability to meet the deadlines on the schedule?					
	3	Did the project require submittals? If so, rate the quality of their submittals.					
	4	How would you rate their overall project management?					
	5	Were there any conflicts? If so, rate their cooperation in resolving the conflicts.					
	6	Were there any consistent equipment problems? If so, rate their ability to quickly fix the problem and restart the job.					
	7	Were there any environmental compliance issues? If so, rate their ability to resolve any compliance issues.					
	8	Would you hire them to do work for you on future projects? *If <u>yes</u> , provide an "Excellent" rating. If <u>no</u> , provide a "Poor" rating.					

**Signature of Evaluator:** \_\_\_\_\_

**Date:** \_\_\_\_\_

# INTRACOASTAL WATERWAY DEEPENING PROJECT AREA



PROJECT INFORMATION PACKAGE  
FOR  
DREDGING CONTRACTORS  
FOR  
INTRACOASTAL WATERWAY DEEPENING PROJECT  
IN  
BROWARD COUNTY, FLORIDA  
BY  
THE FLORIDA INLAND NAVIGATION DISTRICT

REQUEST FOR QUALIFICATIONS NO. 2015-01

RESPONSES DUE: **2:00 PM BY August 6, 2015**

Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477



**FLORIDA INLAND NAVIGATION DISTRICT  
REQUEST FOR QUALIFICATIONS FOR  
MECHANICAL DREDGING SERVICES**

NOTICE IS HEREBY GIVEN that a Request for Qualifications (RFQ) for mechanical dredging services is being issued by the Board of the Florida Inland Navigation District (FIND) for the services described below:

**SERVICES REQUESTED:** FIND requires a qualified dredging firm to perform mechanical dredging services for the Intracoastal Waterway Deepening project in Broward County, Florida. The project generally entails dredging approximately 180,000 cubic yards of material to a depth of -17 feet MLW (project depth of -15 feet and 2-foot allowable overdredge) from the Intracoastal Waterway (ICWW) — beginning at the channel between Intracoastal Drive and Bayshore Drive and ending just south of the 17<sup>th</sup> Street Bridge — in Ft. Lauderdale, Broward County, Florida. Dredged material shall be deposited into a self-contained barge (with rails to hold the dredged material and prevent return water from re-entering surface waters), barged, and temporarily offloaded at a ±6-acre dredged material management area (DMMA) located on Port Everglades. All watercraft associated with the execution of the permitted project shall only operate within waters of sufficient depth so as to preclude bottom scouring, prop dredging, grounding, and damage to the submerged bottom or submerged resources.

The ±6-acre (+/-24,400 cubic yard capacity) 4-ft high DMMA located on the Port Everglades property shall be re-constructed or re-configured, as deemed necessary by the Contractor, to contain off-loaded dredged material and prevent any direct return of effluent into the Dania Cutoff Canal during offloading and associated dewatering activities. Due to the small capacity of the basin, the Contractor will be required to temporarily stockpile and segregate the material on-site or directly transport to the permanent disposal site location. The Contractor is required to remove all dredged material from the DMMA within 90 days of the material being dredged. Dewatered dredged material shall be transported at the Contractor's expense to a permanent off-site disposal location — as selected by the Contractor and approved by permitting agencies — that comprises either a Class I Solid Waste Landfill or upland commercial site. Offloading through Port facilities can only occur at night. Once all dredging is completed and all material is removed, the Contractor will restore the Port Everglades property to its original grade.

**APPLICATION:** Dredging firms wishing to provide these services must comply with the requirements given in the "Request for Qualifications" prepared for these services. Four (4) complete hard copies and one (1) CD must be submitted and received on or before **August 6, 2015**, no later than 2 PM, to the: Florida Inland Navigation District, 1314 Marcinski Road, Jupiter, FL 33477.

All questions pertaining to this RFQ and requirements are to be directed in writing to the FIND Engineer Representative, John F. Adams, P.E. at the mailing address (Taylor Engineering, Inc.; 10151 Deerwood Park Blvd, Bldg 300, Suite 300; Jacksonville, FL 32256) or e-mail ([JAdams@taylorengeering.com](mailto:JAdams@taylorengeering.com)). No staff or board member of FIND will respond to any question concerning this solicitation. Changes, if any, to the RFQ or submittal procedures, will be transmitted by written addendum through the FIND Engineer Representative.

BY ORDER OF THE FLORIDA INLAND NAVIGATION DISTRICT BOARD OF COMMISSIONERS, CARL BLOW, CHAIR.

By:  \_\_\_\_\_  
By: Mark Crosley, Executive Director, Florida Inland Navigation District

  
Date

## I. GENERAL INSTRUCTIONS

The upcoming Intracoastal Waterway Deepening project in Broward County, Florida is an important project for the community and boating community at large. The regulatory agencies are expected to closely scrutinize the project and, as such, the firm selected must demonstrate competence and professional qualifications to accomplish the project within the specified timeframe (730 calendar days) and with negligible environmental impacts to identified resources.

FIND will appoint an Evaluation Committee to evaluate the RFQ submittals. The Evaluation Committee will consist of the Executive Director, the District Engineer or its designee, and the District Commissioner for Broward County. The Evaluation Committee will meet at the District's Headquarters at **11 PM** and **August 13, 2015** to discuss the evaluations and finalize its recommended ranking list for the Board of Commissioners. One or more members of the Evaluation Committee may attend the meeting by speakerphone. As required by the Sunshine Law, the meeting of the Evaluation Committee shall be open to the public. Special accommodations for disabilities may be requested through Assistant Executive Director Janet Zimmerman at (561) 627-3386, at least five (5) business days before the date needed.

The Evaluation Committee shall grade, rank, and qualify all the firms who meet or exceed the criterion established herein based on the points awarded on the evaluation form provided at the end of this RFQ. The three (3) highest ranked Respondents shall be recommended to the District Board of Commissioners to participate in the Invitation to Bid ("ITB") for the Project, should the District decide to proceed with the Project. Should there be a tie between two Respondents' total score for all criteria listed below (Section II), both Respondents shall be included in the list of recommended Respondents, even if that results in more than three (3) Respondents being recommended to the Governing Board.

The Evaluation Committee's recommendation will be presented to the District Board of Commissioners for approval at its **August 21, 2015** meeting. Respondents are advised that the Board of Commissioners is not bound by the Evaluation Committee's recommendation and the Board's final ranking may differ from the recommended list. All Respondents shall be notified by mail of the Board's final ranking.

In the event the Board decides to issue an Invitation to Bid ("ITB"), the Contract will be awarded to the qualified, responsible, and responsive Bidder presenting the lowest Bid. However, Respondents are advised that the Project is subject to an appropriation of funds by the District's Board of Commissioners. Nothing in this RFQ and/or the fact that the Board of Commissioners has approved the list of recommended Respondents shall obligate the Board of Commissioners or the District to proceed with the construction of the Project.

### A. Protest Procedures

- a) Pursuant to Rule 28-110.003, Fla. Admin. Code, any person adversely affected by the procurement methodology described herein, or the specifications or criteria, including addenda, associated with this solicitation, shall file a Notice of Protest within 72 hours after receipt of this solicitation. Pursuant to Rule 28-110.004, Fla. Admin. Code, the protester shall also file with the District Clerk a Formal Written Protest within 10 days after the date the Notice of Protest is filed with the District. The Formal Written Protest shall state with particularity the facts and law upon which the protest is based. Mediation under section 120.573, F.S. is not available.

No additional time shall be added for mailing. All filings shall be in compliance with Rule 28-106.104, Fla. Admin. Code and shall be addressed to and received by the District Clerk at the District Headquarters in Jupiter, Florida within the prescribed time periods. The District shall not accept as filed any electronically transmitted facsimile pleadings, petitions, notice of protests or other documents. Failure to file a protest within the time prescribed in section 120.57(3), Fla. Stat., or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver or proceedings under chapter 120, Fla. Stat. Mediation under section 120.573, Fla. Stat. is not available.

- b) Pursuant to Rule 28-110.003, Fla. Admin. Code, any person adversely affected by a District decision or intended decision to award a contract, or to reject all bids, proposals, or qualifications, shall file a Notice of Protest within 72 hours after receipt of the decision or intended decision. Pursuant to Rule 28-110.004, Fla.

Admin. Code, the protester shall also file with the District Clerk a Formal Written Protest within 10 days after the date the Notice of Protest is filed with the District. The Formal Written Protest shall state with particularity the facts and law upon which the protest is based.

No additional time shall be added for mailing. All filings shall be in compliance with Rule 28-106.104, Fla. Admin. Code and shall be addressed to and received by the District Clerk at the District Headquarters in Jupiter, Florida within the prescribed time periods. The District shall not accept as filed any electronically transmitted facsimile pleadings, petitions, notice of protests or other documents. Failure to file a protest within the time prescribed in section 120.57(3), Fla. Stat., or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver or proceedings under chapter 120, Fla. Stat. Mediation under section 120.573, Fla. Stat. is not available.

## **B. Questions/Contacts**

Questions related to this RFQ should be directed to the FIND Engineer Representative, John F. Adams, P.E. at the mailing address (Taylor Engineering, Inc.; 10151 Deerwood Park Blvd, Bldg 300, Suite 300; Jacksonville, FL 32256) or e-mail ([JAdams@taylorentengineering.com](mailto:JAdams@taylorentengineering.com)). Inquiries related to the work scope, clarification or correction(s) **must** be in writing to the contact name shown above via mail or email and must be received no later than **seven (7) working days prior to the date set for the submittal of the RFQ**. All addendum(s) will be issued by the FIND Executive Director no later than **five (5) days prior to the date of submittal of the RFQ**. Each responder shall acknowledge receipt of such addenda by including a copy of each signed addendum in the submittal, immediately following the cover letter. In case any responder fails to acknowledge receipt of such addenda or addendum, at the discretion of the FIND, the respondent may: 1) be disqualified, or 2) have five (5) points deducted from Section 3, Quality Control for missing addenda acknowledgement, and the RFQ construed as though the addenda had been received and acknowledged.

**Lobbying Statement:** All firms are hereby placed on notice the FIND staff and Board of Commissioners shall not be contacted about this RFQ. Firms and their agents are hereby placed on notice that they are not to contact members of the FIND staff and Board of Commissioners. Public meetings and public deliberations of the Selection Committee are the only acceptable forum for the discussion of merits of products/services requested by the RFQ; and written correspondence in regard to the RFQ may be submitted to the FIND Engineer Representative. Failure to adhere to these requirements could result in Board action to disqualify your firm from consideration of award.

## **C. Response Due Date and Location**

The Statement of Qualifications and supplemental information will be received no later than **2:00 p.m. on August 6, 2015**. The official time clock will be the date and time stamp clock located in the FIND office. Mail or deliver all submittals to: Florida Inland Navigation District, 1314 Marcinski Road, Jupiter, FL 33477

To be considered, the submittal must be accepted in the FIND office no later than the RFQ closing date and time. The names of the firms submitting RFQ responses will be read aloud at this time. No details of the responses will be released until the meeting of the Evaluation Committee.

The FIND reserves the right to reject any or all submittals and waive minor formalities as will best serve the interest of FIND. Any dredging firm affected adversely by an intended decision, with respect to the recommended short list of respondents, shall file with the FIND a written notice of intent to protest as described above.

Respondents shall familiarize themselves with the provisions of the Public Records Law, Section 119.071(1)(b), Fla. Stat. (as amended). All information submitted to the District will become a public record subject to the provisions of the aforementioned statute.

## **II. DETAIL SPECIFICATIONS**

To simplify the qualifications preparation and evaluation processes and to ensure that all qualifications receive the same orderly review, all qualifications must follow the same format. No exceptions to this format will be accepted. To be accepted for evaluation, the qualifications format must address all required components in order. Please limit the

number of pages to the requirements below. Exceeding the number of pages will result in a lower score or elimination from consideration.

**General.** All qualifications must follow the following general requirements:

- Page size may not exceed 8 ½ by 11 inches except for the organizational chart and the map (if one is provided).
- Font size shall not be less than 10 point and line spacing may not be less than single spaced; and no columns may be used.
- Include one (1) original and three (3) hard copies of the RFQ, and one (1) CD with printable Microsoft or Adobe files.
- The RFQ must be bound, and shall include tabs for each of the six sections described below.
- The RFQ shall conform to the outline described below.
- Pages in each tab shall be numbered (except for resumes and certificates which may not be more than 2 pages each).

#### **1. Cover Letter**

Provide cover letter no more than two pages long. Include the original signed cover letter with the original qualifications, a copy of the signed cover letter with each hard copy of the qualifications and on the CD. The cover letter should provide the following:

- A brief statement of the Contractor's understanding of the project
- The name(s) and role(s) of sub-consultants on the team (if any).
- The name, title, phone number, fax, e-mail address, and street address of a contact person assigned by a corporate office who will respond to questions about the qualifications. The contact person must have the authority to make binding commitments on behalf of the contractor.
- Highlights of the Contractor's qualifications and ability to perform the project services.

NOTE: All signed addendums shall be included in this submittal, immediately following the cover letter.

#### **2. Technical Response**

The technical response shall contain, after the cover letter, the six sections specified below:

##### **SECTION 1 CONTRACTOR PROFILE**

**One Page Limit**

Provide the following information about your firm:

- Firm's name, business address, phone number, fax number, website address, primary contact name and e-mail address
- Number of years in business
- Location of the office or offices

##### **SECTION 2 STAFF CREDENTIALS AND PROJECT TEAM**

**Ten Page Limit**

Introduce the designated project manager, Site Safety and Health Officer (see Section 00 73 19), Dredge/Excavator Operators (see Section 00 73 19), and project team. Include a team organizational chart highlighting the key people who shall be assigned to work, including the Florida registered professional surveyor, on the project for the FIND. Illustrate the lines of authority, and designate the individual responsible for completion of the service. In addition, for each key person who would be assigned to the project, include: a one- or two-page resume with the person's title, the current position with the company, the length of time with the company, a summary of relevant professional qualifications, relevant project experience and education.



### **SECTION 3 QUALITY CONTROL**

#### **Three Page Limit**

Describe the firm's approach to Quality Assurance/Quality Control (QA/QC) as applies internally and externally (sub consultants).

### **SECTION 4 SIMILAR PROJECTS**

#### **Four Page Limit**

Using the supplied SIMILAR PROJECT form (page 6), provide descriptions of at least four (4) projects of a similar nature that the Contractor has completed as a general contractor or primary contractor in the last seven (7) years or currently has under way. For each project, explain why it is relevant (i.e., similarity between the projects), problems encountered, actions taken to correct problems, and any environmental impacts that were encountered.

### **SECTION 5 TECHNICAL APPROACH**

#### **Ten Page Limit**

Using the supplied EQUIPMENT and DREDGING PLAN forms (pages 9-10), provide (1) the specifications on equipment owned or leased by the Contractor required to complete the job within the permit limits and (2) a narrative plan for execution of the dredging and disposal of dredged material.

### **SECTION 6 REFERENCES**

#### **Two Page Limit**

Using the supplied REFERENCE FORM (page 11), the references should include up to three (3) clients (excluding FIND) that have recently (within the last three years) hired the firm for projects in the discipline of service being offered by the firm for this RFQ, including completed projects. For each reference, include the project name, a one paragraph description of the project, the project start-up/completion dates, the project cost, the name of the client, the client's project manager, their phone number and email address. Please verify accuracy of contact information before submitting. Points will be deducted for inaccurate information. If the reference cannot be reached due to inaccurate information a score of zero may be assigned to that reference.

Also, if the contractor desires, up to one (1) FIND reference should be listed in addition to the required non-FIND references. FIND references should include project name, contract or task number, contract cost prior to any change orders, change orders costs, contract term and contract project manager name.

### **ATTACHMENT**

To qualify for this project you must submit a current copy of one of the following: State Certified General Contractor license, State Certified Marine Specialty Contractor license, Broward County Certificate of Competency for General Engineered Construction Builder, or Broward County Certificate of Competency for Specialty Engineered Earthwork Builder--Class C (canals, lakes and waterways).

Submit a current copy of your license or certificate as an attachment to the RFQ.



August 4, 2015

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

Re: Dredging Construction Administration and Project Closeout and Certification Services  
Broward Intracoastal Waterway Deepening Project, Broward County, Florida

Mr. Crosley:

On behalf of Taylor Engineering, I am pleased to present the attached detailed scope of services (Attachment A) and cost summary (Attachment B) for the following services in support of the upcoming Intracoastal Waterway (ICWW) deepening project in Broward County, Florida.

Task 1: Dredging Construction Administration Services  
Task 2: Final Project Closeout and Certification

Taylor Engineering will provide construction administration services of the ICWW deepening in Broward County, Florida, throughout the expected 730-day (24-month) construction duration. During this time, we will regularly attend site visits and progress meetings as well as work very closely with the selected contractor to review and approve submittals and pay applications, and resolve issues that arise in a timely and professional manner. Upon completion of the construction, we will conduct the final review and acceptance of field data and certify the final completion of the project to include coordination with appropriate regulatory agencies.

Taylor Engineering will complete the work described herein during this 24-month period for a cost plus maximum fee of \$603,245.

We appreciate this opportunity to continue to serve FIND. Please contact me if you have questions or comments.

Sincerely,

John Adams, P.E.  
Senior Advisor, Waterfront Engineering

Attachments (2)

## ATTACHMENT A

## – SCOPE OF SERVICES –

Construction Administration and Project Closeout and Final Certification Services  
Broward Intracoastal Waterway Deepening Project, Broward County, Florida

**INTRODUCTION**

This scope of services describes Taylor Engineering's proposed engineering services in support of a proposed project to deepen the Intracoastal Waterway (ICWW) in Broward County, Florida. The deepening project would excavate the ICWW to a depth of -17 feet (ft) mean low water (MLW), representing a -15 ft MLW project depth with an additional 2 ft of allowable over depth dredging. The project area extends from just south of the 17<sup>th</sup> Street Causeway northward approximately 11,200 ft to a point just north of the Las Olas Boulevard (S.R. 842) bridge.

**TASK 1 - CONSTRUCTION ADMINISTRATION AND OBSERVATION**

This task includes the following sub-tasks and proposed costs:

<b>Sub-Task</b>	<b>Salary (\$)</b>	<b>Per-Diem (\$)</b>
Pre-construction meeting	6,416	1,067
Daily project engineer site visits during the first two weeks of work and an average 2.5 weekly site visits for the duration of construction (245 visits)	168,976	26,950
Twice-a-month senior staff site visits (44 visits)	142,272	23,386
Scheduling and preparing for weekly on-site progress meetings (96)	43,888	NA
Problem resolution site visits (seven visits)	36,552	4,312
Preparing up to six change order directives	17,104	NA
Reviewing and approving contractor submittals (44)	32,400	NA
Review and respond to contractor requests for information (RFIs)	17,912	NA
Reviewing and approving up to twenty-four monthly pay applications	45,048	NA
<b>SUB-TOTAL TASK 1:</b>	<b>\$510,568</b>	<b>\$55,715</b>

During the anticipated 24-month project period (22 months of construction and two months for mobilization and demobilization), Taylor Engineering will help FIND administer the construction contract from offices in Jacksonville and West Palm Beach, Florida, and from the project site. In-office duties will include reviewing the contractor's shop drawings and submittals, reviewing progress pay applications, providing oversight of the work progress, and assisting with the preparation of change orders, if required. Additionally, should unexpected problems arise outside of these meetings, we will attend up to seven problem resolution meetings on site and up to two meetings via teleconference.

Taylor Engineering will remain available through construction to provide advice and consultation to FIND through site visits and teleconferences. In this role, we will address questions pertaining to engineering, design, permitting issues, and any proposed changes to project design.

Taylor Engineering's project engineers will make daily visits for the first two weeks of dredging and an average of 2.5 weekly visits thereafter. Our visits will include observation of the ongoing work and monitoring of the contractor's means, methods, and sequence. We will observe the contractor's activities to assess whether they are within general conformance with the project contract, drawings, specifications, and

## ATTACHMENT A

environmental permits. As part of the observation process, our project engineer will complete daily construction reports per visit, which will become part of the project record. The reports will include the name of the observer, weather conditions, date, personnel/visitors on site, the contractor's personnel and equipment, summary of events, and the contractor's representative and observer's signature. These reports will constitute a daily log of construction progress.

To assess compliance with the project conditions, Taylor Engineering will observe two to three times weekly (average 2.5 days a week) the contractor's activities including, but not limited to, the following:

- Maintenance of current construction schedule
- Provision of submittals on time and in proper format
- Protection of land (fuel and oil, work areas) and water (pollution prevention) resources
- Protection of air resources (minimize particulates)
- Control of noise pollution
- Assurance of quality control procedures (to produce an end product that meets contract requirements)
- Designation of employee parking
- Maintenance of onsite bulletin board and project sign
- Maintenance of project site security
- Cleanup of waste and debris

Taylor Engineering will attend on-site weekly project meetings to discuss project progress and address questions pertaining to engineering, design, permitting issues, proposed changes to the project design, and any conflicts. Attendees will include representatives from the construction contractor and its subconsultants and Taylor Engineering, as required. The progress meeting agenda will generally include review of minutes from previous meetings, work progress since the previous meeting, current definable features of work (i.e., construction schedule, submittal register, changes to construction schedule, maintain contract quality for materials and workmanship, pending modifications, changes and substitutions), and other business, as appropriate. A Taylor Engineering senior staff member will attend at least two on-site meetings monthly and provide management review and quality control/quality assurance oversight during this task.

Taylor Engineering will notify FIND of any permit violations, work stoppages, or conflicts and recommend to FIND ways to resolve these issues. However, Taylor Engineering will not direct the contractor's means and methods of construction. Taylor Engineering is not responsible for job site safety.

## **TASK 2 - PROJECT CLOSEOUT AND FINAL CERTIFICATION**

This task includes the following sub-tasks and costs:

<b>Sub-Task</b>	<b>Salary (\$)</b>	<b>Per-Diem (\$)</b>
Developing preliminary and final punch lists	4,608	NA
Certifying substantial completion of the project	3,748	NA
Reviewing/certifying release of lien	1,536	NA
Attending pre-final and final observation and closeout meetings	6,672	1,606
Conducting final review/acceptance of field data	8,448	NA
Certifying final completion of the project to include coordination with regulatory agencies	10,344	NA
<b>SUB-TOTAL TASK 2:</b>	<b>\$35,356</b>	<b>\$1,606</b>

## ATTACHMENT A

Once FIND receives from the contractor a request to certify the project substantially complete, Taylor Engineering will visit the project site to make a determination of the degree of completion. If we cannot certify substantial completion, we will develop preliminary and final punch lists of items for the contractor to complete or correct. With concurrence from FIND, we will transmit this list to the contractor. Upon completion of outlined items, we will certify the project substantially complete. Taylor Engineering has budgeted for two on-site meetings during this stage of the project.

Taylor Engineering will collect and review the following information from the contractor before project closeout:

- Final waiver and release of lien from all subcontractors and suppliers
- Final pay application
- Post-construction/as-built survey
- Final contractor certification
- Final contractor affidavit

Taylor Engineering will help FIND coordinate permit-related submittals. Following completion of the project, Taylor Engineering will prepare and submit to FIND a complete set of contract documents. Taylor Engineering will also prepare and submit to FDEP, USACE, Broward County, and Port Everglades a statement of completion and a certification in accordance with their requirements.

**- END SCOPE OF SERVICES-**

**TAYLOR ENGINEERING, INC.**  
**COST SUMMARY BY TASK**  
**P2015-124: INTACOASTAL WATERWAY DEEPENING - BROWARD COUNTY, FLORIDA**

**TASK 1: Construction Administration and Observation**

<i>Labor</i>	<i>Days</i>	<i>Cost (\$)</i>	<i>Task Totals</i>
Vice President	5.0	7,400.00	
Senior Advisor	26.5	39,432.00	
Director	126.0	160,272.00	
Project Professional	66.5	56,392.00	
Staff Professional	316.0	217,408.00	
Senior Technical Support	23.5	20,304.00	
Administrative	22.5	9,360.00	
<b>Total Man-Days</b>	<b>586.0</b>		
<b>Labor Cost</b>			<b>510,568.00</b>
<i>Non-Labor</i>	<i>Units</i>	<i>Cost (\$)</i>	
Pre-Con Meeting: Room & Meals (2 people/1 trip)	2.0	680.00	
Pre-Con Meeting: Car Rental & Fuel (R/T Jax-Port Everglades, 2 people/1 trip)	1.0	290.00	
Project Engineer Site Visits: Car Rental & Fuel (R/T WPB-Port Everglades)	245.0	24,500.00	
Senior Staff Visits: Car Rental & Fuel (R/T Jax-Port Everglades, 1 person/1 trip)	44.0	12,760.00	
Senior Staff Visits: Room & Meals (1 person/1 trip)	50.0	8,500.00	
Problem Resolution Visits: Room & Meals (1 person/1 trip)	7.0	1,190.00	
Problem Resolution: Car Rental & Fuel (R/T Jax-Port Everglades)	7.0	2,030.00	
Problem Resolution: Car Rental & Fuel (WPB to PEG)	7.0	700.00	
<b>Non-Labor Cost</b>		<b>50,650.00</b>	
<b>Fee @ 10.0%</b>		<b>5,065.00</b>	
<b>Total Non-Labor Cost</b>			<b>55,715.00</b>
<b>Total Task 1</b>			<b>\$ 566,283.00</b>

## P2015-124: INTACOASTAL WATERWAY DEEPENING - BROWARD COUNTY, FLORIDA

## TASK 2: Project Closeout and Final Certification

<i>Labor</i>	<i>Days</i>	<i>Cost (\$)</i>	<i>Task Totals</i>
Senior Advisor	1.5	2,232.00	
Director	9.5	12,084.00	
Project Professional	6.0	5,088.00	
Staff Professional	17.0	11,696.00	
Senior Technical Support	3.0	2,592.00	
Administrative	4.0	1,664.00	
Total Man-Days	41.0		
Labor Cost			35,356.00
<i>Non-Labor</i>	<i>Units</i>	<i>Cost (\$)</i>	
Pre-final observation meeting: Car & fuel (WPB-Port Everglades)	1.0	100.00	
Pre-final observation meeting: Car & fuel (Jax-Port Everglades)	1.0	290.00	
Pre-final observation meeting: Room & Meals (2 people/1 trip)	1.0	340.00	
Final observation & closeout meeting (WPB-Port Everglades)	1.0	100.00	
Final observation & closeout: Car & Fuel (2 people/1 trip, Jax-Port Everglades)	1.0	290.00	
Final observation & closeout: Room & Meals (2 people/1 trip, Jax-Port Everglades)	1.0	340.00	
Non-Labor Cost		1,460.00	
Fee @ 10.0%		146.00	
Total Non-Labor Cost			1,606.00
<i>Total Task 2</i>			<i>\$ 36,962.00</i>

Project Total \$ 603,245.00



## ASSISTANCE PROJECTS REQUESTING A ONE (1) YEAR EXTENSION

Project Sponsor	Project Name	Project Number	Reason for Extension
Broward County	Anne Kolb Nature Center Exhibit Renovations	BR-13-101	Additional time needed for completion
Broward County	Deerfield Island Boardwalk Replacement - Ph I	BR-13-102	Additional time needed for completion
Broward County	Deerfield Island Shelter Replace. & Interpretive Signs	BR-13-103	Additional time needed for completion
Broward County	South Fork New River Channel Markers - Ph II	BR-13-104	Additional time needed for completion
Brevard County	Griffis Landing At Blue Crab Cove - Ph B	BV-13-117	Additional time needed for completion
Brevard County	P.O.W./ M.I.A. Park Channel Dredging - Ph I	BV-13-119	Additional time needed for completion
City Of Cocoa	Lee Wenner Park Renovation - Ph I	BV-CO-13-121	Additional time needed for completion
City Of Miami	Miami Marine Stadium In-water Structural Assess. - Ph I	DA-MI-13-150	Additional time needed for completion
City Of Miami	Miami Women's Club Baywalk - Ph II	DA-MI-13-151	Additional time needed for completion
City Of Miami	Seybold Canal & Wagner Creek Dredging - Phase C	DA-MI-13-152	Additional time needed for completion
City Of Miami	Virginia Key Seawall & Kayak Launch - Ph I	DA-MI-13-153	Additional time needed for completion
City Of Miami	Lummus Landing Riverwalk And Dock	DA-MI-13-155	Additional time needed for completion
City Of North Miami	N. Bayshore William Lehman Park Fishing & Pier	DA-NM-13-148	Permitting delays
Town Of Surfside	Surfside Seawall Replacement	DA-SU-13-149	Additional time needed for completion
City Of Jacksonville	Arlington Lions Club Boardwalk - Ph I	DU-JA-13-123	Waiting on construction contract
City Of Jacksonville	Charles Reese Fishing Pier - Ph I	DU-JA-13-124	Permitting delays
City Of Jacksonville	County Dock Boat Ramp - Ph I	DU-JA-13-125	Permitting delays
City Of Jacksonville	Exchange Island - Ph I	DU-JA-13-126	Waiting on construction contract
City Of Jacksonville	Fishing Creek Dredge - Ph II	DU-JA-13-127	Additional time needed for completion
City Of Jacksonville	Half Moon Island Boat Ramp - Ph I	DU-JA-13-128	Permitting delays
City Of Jacksonville	Half Moon Island Kayak Launch - Ph I	DU-JA-13-129	Permitting delays
City Of Jacksonville	Lighting At 2 Boat Ramps	DU-JA-13-130	Additional time needed for completion
City Of Jacksonville	Northbank Riverwalk - Ph I	DU-JA-13-131	Permitting delays
City Of Jacksonville	Northshore Kayak Launch - Ph I	DU-JA-13-132	Permitting delays
			Waiting on renewal of submerged lands lease
City Of Jacksonville	Sisters Creek Dock Redesign - Ph I	DU-JA-13-134	
City Of Sebastian	Sebastian Working Waterfront	IR-SE-13-54	Additional time needed for completion
Palm Beach County	Highland Beach Mangroves Shoreline Restoration	PB-13-170	Working on closeout paperwork
Palm Beach County	Ocean Inlet Design And Permitting	PB-13-172	Design delays
Palm Beach County	Waterway Park Development	PB-13-173	Permitting delays
City Of Boca Raton	Hillsboro Canal Maintenance Dredge Project - Ph I	PB-BR-13-176	Additional time needed for completion

## ASSISTANCE PROJECTS REQUESTING A ONE (1) YEAR EXTENSION

Project Sponsor	Project Name	Project Number	Reason for Extension
Town Of Lantana	North Lake Park	PB-LA-13-175	Rebidding project
St. Augustine- S.J.C Airport Authority	Barge Nav. Channel Maintenance Dredging - Ph IV	SJ-SAP-13-54	Consolidating 2013 and 2015 WAP projects into one consrtuction bid.
St. Augustine- S.J.C Airport Authority	Barge Navigation Channel Ramp Repair - Ph I	SJ-SAP-13-55	Consolidating 2013 and 2015 WAP projects into one consrtuction bid.
City Of Port Orange	Riverwalk Launch & Boardwalk Design - Ph I	VO-PO-13-98	Additional time needed for completion
Palm Beach County	ICW Cut P-50 Dredging	ICW-PB-13-01	Additional time needed for completion
FL DEP	Hugh Taylor Birch State Park Boat Dock - Ph I	DEP-13-78	Additional time needed for completion



PARKS AND RECREATION DIVISION • Administrative Offices  
950 N.W. 38<sup>th</sup> St. • Oakland Park, FL 33309-5982 • 954-357-8100 • TTY 954-537-2844 • FAX 954-357-5991

*Winner of the National Gold Medal Award for Excellence in Park and Recreation Management  
Accredited by the Commission for Accreditation of Park and Recreation Agencies (CAPRA)*

July 1, 2015

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

Re: Request for Extension, Anne Kolbe Nature Center Exhibit Renovations Exhibits (BR-13-101)

Dear Ms. Zimmerman,

Broward County is formally requesting a one year extension of the project completion date for the above referenced project. This is allowable by terms listed in Section 2 Terms of the Project Agreement. The additional year is necessary to complete the projects. They are currently designed and ready to go out to bid.

Please feel free to contact me with any questions. I can be reached at 954-357-8124 or [cmorgenstern@broward.org](mailto:cmorgenstern@broward.org)

Sincerely,

A handwritten signature in cursive script that reads "Carol Morgenstern".

Carol Morgenstern  
Manager, Planning and Development Group

**Broward County Board of County Commissioners**

Mark D. Bogen • Beam Furr • Dale V.C. Holness • Martin David Klar • Chip LaMarca • Stacy Ritter • Tim Ryan • Barbara Sharief • Lois Wexler  
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July 1, 2015

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

Re: Request for Extension, Deerfield Island Boardwalk Replacement Phase 1(BR-13-102)

Dear Ms. Zimmerman,

Broward County is formally requesting a one year extension of the project completion date for the above referenced project. This is allowable by terms listed in Section 2 Terms of the Project Agreement. The additional year is necessary to complete the design process.

Please feel free to contact me with any questions. I can be reached at 954-357-8124 or [cmorgenstern@broward.org](mailto:cmorgenstern@broward.org)

Sincerely,

A handwritten signature in cursive script that reads "Carol Morgenstern".

Carol Morgenstern  
Manager, Planning and Development Group

Broward County Board of County Commissioners

Mark D. Bogen • Beam Furr • Dale V.C. Holness • Martin David Kiar • Chip LaMarca • Stacy Riller • Tim Ryan • Barbara Sharief • Lois Wexler  
[Broward.org/Parks](http://Broward.org/Parks) • [Facebook.com/BrowardCountyParks](https://www.facebook.com/BrowardCountyParks) • [Twitter.com/BrowardParks](https://twitter.com/BrowardParks) • [YouTube.com/BrowardCountyParks](https://www.youtube.com/BrowardCountyParks)



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July 1, 2015

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

Re: Request for Extension, Deerfield Island Shelter Replacement and Interpretive Exhibits  
 (BR-13-103)

Dear Ms. Zimmerman,

Broward County is formally requesting a one year extension of the project completion date for the above referenced project. This is allowable by terms listed in Section 2 Terms of the Project Agreement. The additional year is necessary to complete the construction of the shelter which is about half completed and install the interpretive signs and exhibit.

Please feel free to contact me with any questions. I can be reached at 954-357-8124 or [cmorgenstern@broward.org](mailto:cmorgenstern@broward.org)

Sincerely,

A handwritten signature in cursive script that reads "Carol Morgenstern".

Carol Morgenstern  
 Manager, Planning and Development Group

**Broward County Board of County Commissioners**

Mark D. Bogen • Beam Furr • Dale V.C. Holness • Martin David Kiar • Chip LaMarca • Stacy Ritter • Tim Ryan • Barbara Sharief • Lois Wexler  
[Broward.org/Parks](http://Broward.org/Parks) • [Facebook.com/BrowardCountyParks](https://www.facebook.com/BrowardCountyParks) • [Twitter.com/BrowardParks](https://twitter.com/BrowardParks) • [YouTube.com/BrowardCountyParks](https://www.youtube.com/BrowardCountyParks)

JUL - 6 2015

Florida Inland  
Navigation District

**PARKS AND RECREATION DIVISION • Administrative Offices**  
950 N.W. 38<sup>th</sup> St. • Oakland Park, FL 33309-5982 • 954-357-8100 • TTY 954-537-2844 • FAX 954-357-5991

*Winner of the National Gold Medal Award for Excellence in Park and Recreation Management  
Accredited by the Commission for Accreditation of Park and Recreation Agencies (CAPRA)*

July 1, 2015

Janet Zimmerman, Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Fl. 33477

**Re: Request for Extension, South Fork New River Channel Markers, Phase II, BR-13-104**

Dear Ms. <sup>Janet</sup> Zimmerman:

Broward County is formally requesting a one year extension of the project completion date for the above referenced project. This is permitted in Section 2 Terms of the Project Agreement. The additional year is necessary to permit and install one additional channel marker to help better delineate the navigable channel.

If you have any questions, please call me at 954-357-8133.

Respectfully submitted,

  
John R. Fiore  
Associate Planner

- c. Carol Morgenstern, Manager, Planning and Development Group, Parks and Recreation Division  
Martin Gross, PE. Engineer IV, Highway Construction and Engineering Division

**Broward County Board of County Commissioners**

Mark D. Bogen • Beam Furr • Dale V.C. Holness • Martin David Kiar • Chip LaMarca • Stacy Ritter • Tim Ryan • Barbara Sharief • Lois Wexler  
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**BOARD OF COUNTY COMMISSIONERS**

**Natural Resources Management Department**

2725 Judge Fran Jamieson Way  
Building A, Room 219  
Viera, Florida 32940

June 24, 2015

REC'D

JUN 27 2015

Florida Inland  
Navigation District

Ms. Janet Zimmerman  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477

**RE: FIND Project No: BV-13-117  
Brevard County, Griffis Landing at Blue Crab Cove - Phase B  
Request for Project Extension**

Dear Ms. Zimmerman:

We would like to request a one year extension for FIND Project No: BV-13-117, Griffis Landing at Blue Crab Cove - Phase B. The referenced project is currently under construction and is over 60% complete but has experienced delays related to the phased nature of the site's design and construction work. We are confident that a project extension of one year will provide us the time required to complete the project.

Contact me at (321) 633-2016 or by email at [matt.culver@brevardcounty.us](mailto:matt.culver@brevardcounty.us) with any questions or if further information is required.

Sincerely,

Matt C. Culver

Boating & Waterways Program Coordinator





**BOARD OF COUNTY COMMISSIONERS**

REC'D 03

AUG 6 2015

Florida Inland  
Navigation District

216

**Parks and Recreation**

2725 Judge Fran Jamieson Way  
Building B, Room 203  
Viera, Florida 32940

August 3, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, FL 33477-9498

SUBJECT: FIND Grant BV-13-119 POW/MIA Park Channel Dredging- Phase I

Dear Ms. Zimmerman:

The FIND agreement requires the project to complete and all payment reimbursement information to be submitted by September 1, 2015. The original completion date for this project was May 2015; however, the permitting process was delayed due to a requirement by the Florida Division of Historical Resources for an Underwater Cultural Resources Survey. This requirement was waived on April 8, 2015. We have reactivated the SJRWMD/USCOE/FDEP permit application June 23, 2015. The new completion date for this project is now June 2016.

For this reason, we respectfully request a one (1) year extension for the project. Thank you for your consideration.

Very truly yours,

Larry Wojciechowski  
Parks Support Services Manager


**OFFICE OF ECONOMIC DEVELOPMENT**

Community Services Department

65 Stone Street, Cocoa, FL 32922

Phone: (321) 433-8510 | Fax: (321) 433-8513

REC'D

AUG 6 2015

 Florida Inland  
Navigation District

August 4, 2015

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

Re: Project Completion and Agreement Extension  
Lee Wenner Park Renovation – Phase 1  
Project #: BV-CO-13-121

Dear Ms. Zimmerman,

On behalf of the City of Cocoa, I would like to respectfully request a one year extension on the above referenced Agreement. We are currently working with the Florida Department of Transportation (FDOT) on permitting and site control. We expect to have a Memorandum of Agreement with FDOT in hand once the permitting process is complete.

We anticipate applying for a FIND Grant in 2016 for the construction of the Cocoa Village Connector. Funds have been budgeted in Fiscal Year 2016 for the City's portion of the construction match. We anticipate publishing the bid in early 2017 with construction to begin by April 2017.

Please feel free to contact me should you have any questions or require any additional information.

Best regards,

Susan D. McGrady  
CRA Program Manager

# City of Miami



DANIEL J. ALFONSO  
City Manager

June 29<sup>TH</sup>, 2015

Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Rd  
Jupiter, Florida 334777

Re: FIND-Miami Marine Stadium In-water Structural Assessment, Phase I 40-B30688 **DA-MI-13-150**

Dear Ms. Zimmerman,

The City of Miami respectfully request a one-year extension of time for the above referenced agreement in order to complete the construction work and process the final invoice from the contractor.

Your approval to extend the grant agreement would be gratefully appreciated. Should you have any questions, please contact Chelsa Arscott, Special Project coordinator at (305)416-1395.

Sincerely,

Jeovanny Rodriguez, P.E.  
Director

C: Chelsa Arscott, Special Projects Coordinator, CITP  
Lai-Wan McGinnis, Budget & Financial Reporting Administrator, CITP

# City of Miami



DANIEL J. ALFONSO  
City Manager

June 29<sup>TH</sup>, 2015

Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Rd  
Jupiter, Florida 334777

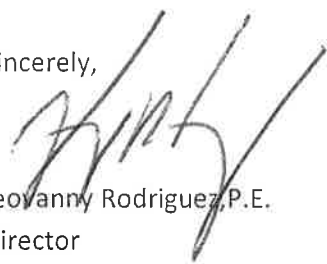
Re: FIND-Miami Women's Club Baywalk, Phase II, B-30731 (Construction) **DA-MI-13-151**

Dear Ms. Zimmerman,

The City of Miami respectfully request a one-year extension of time for the above referenced agreement in order to complete the construction work and process the final invoice from the contractor.

Your approval to extend the grant agreement would be gratefully appreciated. Should you have any questions, please contact Chelsa Arscott, Special Project coordinator at (305)416-1395.

Sincerely,

  
Jeovanny Rodriguez, P.E.  
Director

C: Chelsa Arscott, Special Projects Coordinator, CITP  
Lai-Wan McGinnis, Budget & Financial Reporting Administrator, CITP

# City of Miami



DANIEL J. ALFONSO  
City Manager

June 29<sup>TH</sup>, 2015

Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Rd  
Jupiter, Florida 334777

Re: FIND-Wagner Creek and Seybold Canal Dredging- Phase C, 40-B50643 **DA-MI-13-152**

Dear Ms. Zimmerman,

The City of Miami respectfully request a one-year extension of time for the above referenced agreement in order to complete the construction work and process the final invoice from the contractor.

Your approval to extend the grant agreement would be gratefully appreciated. Should you have any questions, please contact Chelsa Arscott, Special Project coordinator at (305)416-1395.

Sincerely,

  
Jeovanny Rodriguez, P.E.  
Director

C: Chelsa Arscott, Special Projects Coordinator, CITP  
Lai-Wan McGinnis, Budget & Financial Reporting Administrator, CITP

# City of Miami



DANIEL J. ALFONSO  
City Manager

June 29<sup>TH</sup>, 2015

Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Rd  
Jupiter, Florida 334777

Re: FIND-Virginia Key Bike & Kayak Facility, Phase I 40-B30995 **DA-MI-13-153**

Dear Ms. Zimmerman,

The City of Miami respectfully request a one-year extension of time for the above referenced agreement in order to complete the construction work and process the final invoice from the contractor.

Your approval to extend the grant agreement would be gratefully appreciated. Should you have any questions, please contact Chelsa Arscott, Special Project coordinator at (305)416-1395.

Sincerely,

Jeovanny Rodriguez, P.E.  
Director

C: Chelsa Arscott, Special Projects Coordinator, CITP  
Lai-Wan McGinnis, Budget & Financial Reporting Administrator, CITP

# City of Miami



DANIEL J. ALFONSO  
City Manager

June 29<sup>TH</sup>, 2015

Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Rd  
Jupiter, Florida 334777

Re: FIND-Lummas Landing Riverwalk/Dock 40-B30643 **DA-MI-13-155**

Dear Ms. Zimmerman,

The City of Miami respectfully request a one-year extension of time for the above referenced agreement in order to complete the construction work and process the final invoice from the contractor.

Your approval to extend the grant agreement would be gratefully appreciated. Should you have any questions, please contact Chelsa Arscott, Special Project coordinator at (305)416-1395.

Sincerely,

Jeovanny Rodriguez, P.E.  
Director

C: Chelsa Arscott, Special Projects Coordinator, CITP  
Lai-Wan McGinnis, Budget & Financial Reporting Administrator, CITP



July 30, 2015

Janet Zimmerman  
Assistant Executive Director  
1314 Marcinski Road  
Jupiter, Florida 33477-9427

RE: Agreement Extension of North Miami Bayshore William Lehman Park Fishing & Viewing  
Pier Restore Project # DA-NM-13-148

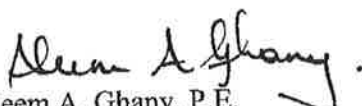
Dear Ms. Zimmerman:

The city of North Miami respectfully requests an extension for the North Bayshore William Lehman Park Fishing & Viewing Pier Restore Project # DA-NM-13-148 funded by the Florida Inland Navigation District Waterway Assistance Program.

The request for an extension is due to the Army Corp of Engineers permitting delay of the project. The City has received the Coordination Letter Permit Application # SAJ-2014-02213 (LP-SJF) dated April 27, 2015, but is pending an approved permit. Based on the information provided, there is a possibility that the project will not be completed by the agreement deadline of September 30, 2015. Wherefore, we are requesting an extension.

Please let me know if additional information is required. Thank you in advance for your consideration.

Sincerely,

  
Aleem A. Ghany, P.E.  
City Manager





**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS

July 31, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
**Florida Inland Navigation District**  
1314 Marcinski Road  
Jupiter, FL 33477-9498

**RE: Request for Grant Extension**  
**Surfside Seawalls (Project Number DA-SU-13-149)**

Dear Ms. Zimmerman,

This is a formal request for a 1-year extension to the above referenced grant awarded by FIND in September, 2013. I am making this request on behalf of the Town of Surfside.

I wish to inform you that the vast majority of the construction has been accomplished to date; the only remaining items are the pouring of the last remaining concrete cap, and some cleanup work/demobilization. While it is plausible that these items will be accomplished prior to the September deadline, we understand that the contractor's billing cycle and Town's payment thereof may run beyond this deadline. As a precautionary measure, we request the grant be extended as noted in order to properly close out the project.

Should you need any additional information, please don't hesitate to contact me.

Sincerely,

**CALVIN, GIORDANO & ASSOCIATES, INC.**

David Frodsham, P.E.

Building Code Services  
Coastal Engineering  
Code Enforcement  
Construction Engineering & Inspection  
Construction Services  
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Transportation Planning & Traffic Engineering  
Utility & Community Maintenance Services  
Water Resources Management

560 Village Blvd., Suite 340  
West Palm Beach, FL 33409  
Phone: 561.684.6161  
Fax: 561.684.6360

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

[www.cgasolutions.com](http://www.cgasolutions.com)

## DEPARTMENT OF PARKS, RECREATION AND COMMUNITY SERVICES



July 28, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
Arlington Lions Club Boardwalk, Phase I (DU-JA-13-123)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The project has been designed to 100% and we have obtained all the required permits but are waiting on the Phase 2 project (DU-JA-14-136) to go out for bid. We are requesting a one-year extension for Phase 1, expiring September 1, 2016; however, we intend to submit our close-out documents as soon as we obtain a signed construction contract which is expected later this fall.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Burket", followed by a horizontal line.

Brian Burket  
Natural Resource Recreation Specialist



June 3, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
Charles Reese Fishing Pier, Phase I (DU-JA-13-124)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The project has been designed to 60%, and we submitted our permit applications a few months ago. However, due to recent delays in the permitting process, we don't expect to receive our permits by the expiration of the grant agreement on September 1, 2015. We are requesting a one-year extension, expiring September 1, 2016. And, we anticipate submitting a Phase II WAP application for this project next year.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B. P. Burket", with a stylized flourish at the end.

Brian Burket  
Natural Resource Recreation Specialist

## DEPARTMENT OF PARKS, RECREATION AND COMMUNITY SERVICES



July 23, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
County Dock Boat Ramp, Phase I (DU-JA-13-125)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The project has been designed to 100% and we submitted our permit applications in June 2014 but are still waiting for our ACOE due to the delay with the National Marine Fisheries review. We are still hoping to receive the permit by the September TRIM meeting so we are eligible to move forward with Phase 2 later this year. However, in case we don't receive our permits in time, we are requesting a one-year extension, expiring September 1, 2016.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Burket", is written over a horizontal line.

Brian Burket  
Natural Resource Recreation Specialist

## DEPARTMENT OF PARKS, RECREATION AND COMMUNITY SERVICES



July 28, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
Exchange Island, Phase I (DU-JA-13-126)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The project has been designed to 100% and we have obtained all the required permits but are waiting on the Phase 2 project (DU-JA-14-137) to go out for bid. We are requesting a one-year extension for Phase 1, expiring September 1, 2016; however, we intend to submit our close-out documents as soon as we obtain a signed construction contract which is expected later this fall.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B. P. Burket", followed by a horizontal line.

Brian Burket  
Natural Resource Recreation Specialist

## DEPARTMENT OF PARKS, RECREATION AND COMMUNITY SERVICES



June 2, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marclinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
Fishing Creek Dredge, Phase II (DU-JA-13-127)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The dredging project is expected to begin within the next six weeks and should be completed by the expiration of the grant agreement on September 1, 2015. However, out of an abundance of caution, we are requesting a one-year extension, expiring September 1, 2016, in case the project runs long or experiences unanticipated delays.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B.P. Burket", with a stylized flourish at the end.

Brian Burket  
Natural Resource Recreation Specialist

## DEPARTMENT OF PARKS, RECREATION AND COMMUNITY SERVICES



June 3, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
Half Moon Island Boat Ramp, Phase I (DU-JA-13-128)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The project has been designed to 60%, and we submitted our permit applications a few months ago. However, due to recent delays in the permitting process, we don't expect to receive our permits by the expiration of the grant agreement on September 1, 2015. We are requesting a one-year extension, expiring September 1, 2016. And, we anticipate submitting a Phase II WAP application for this project next year.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Burket", is written over a horizontal line.

Brian Burket  
Natural Resource Recreation Specialist

## DEPARTMENT OF PARKS, RECREATION AND COMMUNITY SERVICES



June 3, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
Half Moon Island Kayak Launch, Phase I (DU-JA-13-129)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The project has been designed to 60%, and we submitted our permit applications a few months ago. However, due to recent delays in the permitting process, we don't expect to receive our permits by the expiration of the grant agreement on September 1, 2015. We are requesting a one-year extension, expiring September 1, 2016. And, we anticipate submitting a Phase II WAP application for this project next year.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B.P. Burket".

Brian Burket  
Natural Resource Recreation Specialist



## DEPARTMENT OF PARKS, RECREATION AND COMMUNITY SERVICES



June 3, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
Lighting at 2 Boat Ramps, Phase II (DU-JA-13-130)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The lighting project at Mike McCue Boat Ramp is currently underway however the second lighting project at Jim King Park at Sisters Creek Marina may not be completed by the expiration of the grant agreement on September 1, 2015. Therefore, we are requesting a one-year extension, expiring September 1, 2016.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Burket".

Brian Burket  
Natural Resource Recreation Specialist

## DEPARTMENT OF PARKS, RECREATION AND COMMUNITY SERVICES



July 28, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
Northbank Riverwalk, Phase I (DU-JA-13-131)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The project has been designed to 100% and we have obtained the required DEP permit but are still waiting on our ACOE permit which has been delayed by National Marine Fisheries Review.

Since the current condition of the bridge is becoming a safety issue, we are considering an alternative design option of replacing the bridge with a new pre-fab bridge that would have a life span of at least 25 years. We have received permission from ACOE and SJRWMD to proceed with bridge replacement; however, we have been requested by our City Council to wait a little longer to see if we will receive the ACOE permit for the original design concept of partially filling and rerouting the Riverwalk around the cove. Phase II has already been awarded and executed (DU-JA-14-138) which will allow us to proceed with either design option. We are requesting a one-year extension for Phase I, expiring September 1, 2016 to provide us with more time to wait for the ACOE permit and make ultimate decision on which design to pursue.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B. P. Burket", with a long horizontal flourish extending to the right.

Brian Burket  
Natural Resource Recreation Specialist



June 3, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marclinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
Northshore Kayak Launch, Phase I (DU-JA-13-132)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The project has been designed to 60%, and we submitted our permit applications a few months ago. However, due to recent delays in the permitting process, we don't expect to receive our permits by the expiration of the grant agreement on September 1, 2015. We are requesting a one-year extension, expiring September 1, 2016. And, we anticipate submitting a Phase II WAP application for this project next year.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Burket", with a horizontal line extending to the right.

Brian Burket  
Natural Resource Recreation Specialist

## DEPARTMENT OF PARKS, RECREATION AND COMMUNITY SERVICES



July 23, 2015

Ms. Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marclinski Road  
Jupiter, Florida 33477

SUBJECT: Project Agreement Extension  
Sisters Creek Dock Redesign, Phase I (DU-JA-13-134)

Dear Ms. Zimmerman,

As the Project Liaison, I am requesting an extension for the aforementioned project. The project has been designed to 100% and we have obtained all required permits but are still waiting on our submerged land lease from DEP which is in process. Therefore, in case we don't receive our lease or sufficient assurances by the September TRIM meeting, we are requesting a one-year extension, expiring September 1, 2016.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "B. P. Burket", followed by a horizontal line.

Brian Burket  
Natural Resource Recreation Specialist

JUL 30 2015

Florida Inland  
Navigation District

HOME OF PELICAN ISLAND  
**OFFICE OF THE CITY MANAGER**

1225 MAIN STREET ~ SEBASTIAN, FL 32958

PHONE 772-388-8200 ~ FAX 772-581-0149

[jgriffin@cityofsebastian.org](mailto:jgriffin@cityofsebastian.org) ~ [www.cityofsebastian.org](http://www.cityofsebastian.org)**MEMORANDUM**

TO: Janet Zimmerman; F.I.N.D. Asst. Executive Director

RE: Project #: IR-SE-13-54

DATE: 27 July 2015

Please consider this MEMO a formal request for a grant extension for the above referenced project.

Chronology of events, and justification, for the grant extension request is as follows:

1. F.I.N.D. grant award for IR-SE-13-54: 28 October 2013
2. City immediately engaged engineering/architectural firm: Schulke, Bittle & Stoddard, LLC.
3. Design completion, permit applications sent: October 2014.
4. Construction bid publically advertised on 17 November 2014.
5. Construction bid opened: 18 December 2014.
6. Construction bid awarded by City Council: 25 February 2015.
7. Army Corps permit received: 30 March 2015.
8. FDEP permit received: 12 June 2015.
9. FDEP Modified Submerged Lands Lease granted: 15 July 2015
10. Construction Notice to Proceed (NTP) issued: 10 July 15.

The construction period is scheduled for 110 days. That would give a completion date in early November 2015. I am requesting, at minimum, a six (6) month extension, until 01 March 2016, to provide for any contingencies.

The City of Sebastian is fully committed to this project and has worked diligently toward its completion through the challenges of design, permitting, and construction.

Thank you for consideration of this request.



Joseph Griffin  
City Manager



Department of Environmental  
Resources Management  
2300 North Jog Road 4<sup>th</sup> Floor  
West Palm Beach, FL 33411-2743  
(561) 233-2400  
FAX (561) 233-2414  
www.pb.gov/org/ern

Palm Beach County  
Board of County  
Commissioners

Shelley Vana, Mayor  
Mary Lou Berger, Vice Mayor  
Hal R. Vaichecke  
Paulette Burdick  
Steven L. Abrams  
Melissa McKinlay  
Priscilla A. Taylor

County Administrator  
Robert Weismann

"An Equal Opportunity  
Affirmative Action Employer"

July 29, 2015

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

**SUBJECT: PB-13-170: REQUEST FOR EXTENSION HIGHLAND  
BEACH MANGROVE SHORELINE RESTORATION**

*Janet*  
Dear Ms. Zimmerman:

Palm Beach County is requesting a one-year extension to the above-referenced project. On July 22, 2015, the County deemed the construction substantially complete with only final invoicing, payment and project closeout pending. We anticipate having all closeout paperwork to submit for the grant reimbursement by October 2015.

We thank you for your continued support of our environmental restoration and enhancement projects. Together, our agencies are making significant environmental gains in Palm Beach County. If you have any questions, please contact me at 561-233-2445 or Mr. Eric Anderson, Project Manager, at 561-233-2514.

Sincerely,

Robert Robbins, Director  
Environmental Resources Management

RR:EA:dab



**Parks and Recreation  
Department**

2700 6th Avenue South  
Lake Worth, FL 33461  
(561) 966-6600  
Fax: (561) 963-6734  
www.pbcparcs.com



**Palm Beach County  
Board of County  
Commissioners**

Shelley Vana, Mayor

Mary Lou Berger, Vice Mayor

Hal R. Valeche

Paulette Burdick

Steven L. Abrams

Melissa McKinlay

Priscilla A. Taylor

**County Administrator**

Robert Weisman

May 12, 2015

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

**Re: Ocean Inlet Park PB-13-172 Request for a one year time extension.**

Dear Ms. Zimmerman:

Due to unanticipated design delays, I am requesting a one year time extension for our Ocean Inlet Park, Design and Permitting grant agreement from September 1, 2015 until September 1, 2016. The County is working closely with the Town of Ocean Ridge to obtain site plan approvals for this project.

If you have any comments or questions regarding this request, please contact Jean Matthews, Senior Planner at 561-966-6652. Thank you for your help in processing this request for an amendment to extend the project completion date for this Waterways Assistance Grant project.

Sincerely,

Eric Call, Director  
Parks and Recreation Department

EC/JM





**Parks and Recreation  
Department**

2700 6th Avenue South  
Lake Worth, FL 33461  
(561) 966-6600  
Fax: (561) 963-6734  
www.pbcparcs.com



**Palm Beach County  
Board of County  
Commissioners**

Shelley Vana, Mayor

Mary Lou Berger, Vice Mayor

Hal R. Valeche

Paulette Burdick

Steven L. Abrams

Melissa McKinlay

Priscilla A. Taylor

**County Administrator**

Robert Weisman

May 12, 2015

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

**Re: Waterway Park PB-13-173 Request for a one year time extension.**

Dear Ms. Zimmerman:

Due to unanticipated permitting delays, I am requesting a one year time extension for our Waterway Park Development project grant agreement from September 1, 2015 until September 1, 2016. The County anticipates placing this project out to bid this summer.

If you have any comments or questions regarding this request, please contact Jean Matthews, Senior Planner at 561-966-6652. Thank you for your help in processing this request for an amendment to extend the project completion date for this Waterways Assistance Grant project.

Sincerely,

Eric Call, Director  
Parks and Recreation Department

EC/JM





# City of Boca Raton



CITY HALL • 201 WEST PALMETTO PARK ROAD • BOCA RATON, FLORIDA 33432-3795 • PHONE: (561) 393-7700  
(FOR HEARING IMPAIRED) TDD: (561) 367-7046  
SUNCOM: (561) 922-7700  
INTERNET: [www.myboca.us](http://www.myboca.us)

July 30, 2015

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

RE: PB-BR-13-176 Hillsboro Canal Maintenance Dredging Project- Phase 1  
Request for Agreement Extension

Dear Ms. Zimmerman:

This letter is in regards to the Agreement PB-BR-13-176 between the Florida Inland Navigation District and the City of Boca Raton for the Hillsboro Canal Maintenance Dredging Project- Phase 1. The City of Boca Raton entered into this agreement with FIND on November 25, 2013 and to date; the Hillsboro Canal Maintenance Dredging Project- Phase 1 is approximately 80% complete. The City is requesting a one year extension of the Agreement to complete Phase 1. Please see the revised task list below identifying the completed tasks and the revised completion dates for the tasks that have not been completed. The City is confident that Phase 1 will be completed within the one-year extension period.

- Bathymetric Survey – *Complete*
- Seagrass/Benthic Survey- *Complete*
- Sediment Testing and Analysis – *Complete*
- Hydraulic Studies – *Complete*
- Pre- Application Meetings- *Complete*
- Preparation of Permit Applications – *Complete*
- Response to Agency Questions – *Complete*
- Preparation of Dredge Plans and Specifications – *50% complete*
  - estimated completion date – **January 2016**
- Preparation of Project Bid Documents – *50% Complete*
  - estimated completion date – **January 2016**
- Assistance with Project Bidding and Award of Contract – *0% complete*
  - estimated completion date – **April 2016**

The City is currently working on the plans and specifications and bid documents and anticipates going out to bid for this project in late 2015 or early 2016. Upon contract award, Phase 1 of this project will be complete and the City will begin implementing Phase 2- Construction.

Thank you for considering this request, should you have any questions or need additional information regarding the remaining tasks to be completed, please call me at (561) 416-3397.

Sincerely,

Jennifer Bistya  
Coastal Program Manager  
City of Boca Raton



500 Greynolds Circle  
Lantana, FL 33462-4544  
(561) 540-5000  
Fax (561) 540-5009  
www.lantana.org

**Mayor**  
David J. Stewart

**Councilmembers**  
Philip J. Aridas  
Malcolm Balfour  
Tom Deringer  
Lynn J. Moorhouse, D.D.S.

**Town Manager**  
Deborah S. Manzo

March 10, 2015

Janet Zimmerman  
Assistant Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, Florida 33477-9498

**RE: Request for Extension of Project PB-LA-13-175**

Dear Ms. Zimmerman:

I am writing to request a one-year extension of the subject project. The Town had encountered some delays phase working with a neighboring property owner during the engineering design; however, we were on track to meet the September 30, 2015 deadline. Unfortunately, the construction bids came back significantly higher than the funding amount we had budgeted. Our Town Attorney directed that we need to rewrite and clarify the bid specifications and then re-bid the project. This will require an additional 30-60 days for the bid process, then 90-120 days for construction

Therefore, per Paragraph 2. Term. of the grant agreement, this is a request to extend the term of this project for an additional twelve (12) months with a completion date of September 30, 2016.

Please let me know if you require any additional information.

Sincerely,

David B. Thatcher, AICP  
Development Services Director

Cc: Deborah Manzo, Town Manager  
R. Max Lohman, Town Attorney  
Michael Greenstein, Public Works Director  
Nicole Dritz, Community Planner

*"To Preserve Lantana's  
hometown atmosphere  
through responsible  
government and quality  
service."*



REC'D *B*  
AUG 3 2015  
Florida Inland  
Navigation District

242

DATE: July 30, 2015

TO: Ms. Janet Zimmerman  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, FL 33477-9498

FROM: Edward R. Wuellner, A.A.E., Executive Director  
St. Augustine - St. Johns County Airport Authority


SUBJECT: EXTENSION OF TIME – SJ-SAP-13-54 & SJ-SAP-13-55  
Barge Navigation Channel Ramp Repair Ph I (design)  
Barge Navigation Channel Maintenance Dredging Ph IV

The time allotted for the completion of projects on subject agreement dated October 13, 2013 will expire on September 1, 2015.

It is requested that the Project Agreement for the subject projects be extended until September 30, 2016 for the following reason:

Pending before the FIND Board is an additional funding request for FY2015-16 which essentially includes an additional phase to Projects SJ-SAP-13-54 & 55. The additional phase, if funded will facilitate Barge Ramp Area Repairs identified and designed in SJ-SAP-13-55 (a design only element). This extension will facilitate all three project elements to be completed as a single project with a projected start timeframe of Fall 2016. Extension of both previous projects would be required to allow for a consolidated project approach.

Project Sponsor: St. Augustine - St. Johns County Airport Authority

By:   
Title: Executive Director  
Date: July 30, 2015

APPROVED:

\_\_\_\_\_  
Florida Inland Navigation District

\_\_\_\_\_  
Date: \_\_\_\_\_



## CITY OF PORT ORANGE

---

1000 CITY CENTER CIRCLE  
PORT ORANGE, FLORIDA 32129  
TELEPHONE 386-506-5500  
FAX 386-756-5290  
[www.Port-Orange.org](http://www.Port-Orange.org)

July 21, 2015

Ms. Janet Zimmerman  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, FL 33477-9427  
(561) 627-3386

**RE: Riverwalk Launch & Boardwalk Design Phase I  
Extension Request VO-PO13-98**

Dear Ms. Zimmerman:

Port Orange formally requests a six month extension to the aforementioned project to March 31, 2016. This extension will allow the city additional time to perform design certification inspection work.

If you have any questions, please contact me at 386-506-5522.

Sincerely,

Kent Donahue  
PIO and Grants Manager

cc: Margaret Momberger, Construction & Engineering Manager  
Melissa Frangoulis, Grants/Contracts Accountant

REC'D ML 244

JUN 15 2015

Florida Inland  
Navigation District

Department of Environmental  
Resources Management  
2300 North Jog Road, 4<sup>th</sup> Floor  
West Palm Beach, FL 33411-2743  
(561) 233-2400  
FAX: (561) 233-2414  
www.pbcgov.org/erm

■  
Palm Beach County  
Board of County  
Commissioners

Priscilla A. Taylor, Mayor  
Paulette Burdick, Vice Mayor

Hal R. Valeche

Shelley Vana

Steven L. Abrams

Mary Lou Berger

Jess R. Santamaria

County Administrator  
Robert Weisman

"An Equal Opportunity  
Affirmative Action Employer"

June 5, 2015

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

**SUBJECT: INTRACOASTAL WATERWAY CUT P-50 DREDGING  
EXTENSION REQUEST FOR INTERLOCAL AGREEMENT  
ICW-PB-13-01**

Dear Mr. Crosley:

All dredging, demobilization, and site restoration has been completed under the subject interlocal agreement which expires September 30, 2015. Palm Beach County requests a one-year extension of the Project period and associated funding to September 30, 2016.

The County anticipates completion of the dredging contract close-out, one-year post-construction seagrass monitoring, reimbursement requests, and close-out certification by September 1, 2016.

Thank you for your consideration. If you have any questions concerning this request, please contact me or the project manager, Ms. Tracy Logue, at 233-2491.

Sincerely,

Daniel Bates, Deputy Director  
Environmental Resources Management

DB:TL



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**

Hugh Taylor Birch State Park  
3109 E. Sunrise Blvd  
Fort Lauderdale, FL 33304


RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

JONATHAN P. STEVERSON  
SECRETARY

July 20, 2015

Ms. Janet Zimmerman  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, FL 33477

REC'D   
JUL 22 2015  
Florida Inland  
Navigation District

RE: One-year Extension Request – F.I.N.D. Agreement #DEP-13-78  
Hugh Taylor Birch State Park Boat Dock Phase 1

Dear Ms. Zimmerman:

Please accept this letter as a formal request to extend F.I.N.D. Agreement #DEP-13-78, Hugh Taylor Birch State Park Boat Dock Phase 1 for one year, with a new agreement end date of September 30, 2016.

We have made great progress on the project in the past few weeks; we have procured a contractor to complete the design and permitting, and we anticipate that the contractor will be submitting necessary applications and documentation for required local, state and federal permits sometime within the next month. The extension is necessary to complete the design and permitting for the project. As you know, we were approved for an additional F.I.N.D. grant for construction of the Boat Dock at the July 18<sup>th</sup> F.I.N.D. Board Meeting, and we are very excited by the prospect of moving forward with this project.

Please let me know if you have any questions about this extension request.

Sincerely,



David Dearth  
Park Manager  
Hugh Taylor Birch State Park

# FLORIDA INLAND NAVIGATION DISTRICT



TO: All FIND Commissioners, Executive Director

FROM: Janet Zimmerman, Assistant Executive Director *JZ*

DATE: August 12, 2015

SUBJECT: Proposed Language for Assistance Program Rule Changes

## COMMISSIONERS

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CHAIR  
ST. JOHNS COUNTY

**DONALD J. CUOZZO**  
VICE-CHAIR  
MARTIN COUNTY

**JON NETTS**  
TREASURER  
FLAGLER COUNTY

**SUSANNE McCABE**  
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**T. SPENCER CROWLEY, III**  
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**JERRY H. SANSOM**  
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**LYNN A. WILLIAMS**  
NASSAU COUNTY

**MARK T. CROSLY**  
EXECUTIVE DIRECTOR

**JANET ZIMMERMAN**  
ASSISTANT EXECUTIVE  
DIRECTOR

In working with the Assistance Program and listening to the Board discussion over the past few months, staff has prepared the following revised rule language for consideration by the Board. The language provided below will be applied to both 66B-1 (CAP) and 66B-2 (WAP) rules.

- Public Navigation: Projects or project elements in the category of public navigation that will qualify for up to seventy-five percent (75%) program funds must be within the Intracoastal Right-of-Way (ROW), or provide public navigation channel access to two or more publicly accessible launching, mooring or docking facilities. 66B-2.005(6)
- Land Acquisition: Land acquisition projects that provide for commercial/industrial waterway access shall qualify for a maximum of fifty (50) percent funding. All other land acquisition projects shall qualify for a maximum of twenty-five (25) percent program funding. 66B-2.005(7)
- Ineligible items: Picnic shelters and furniture for non-waterway related facilities. 66B-2.008(1)(b)8
- Increase maximum funding for replacement vessels to \$60,000.00. 66B-2.008(1)2



**66B - FLORIDA INLAND NAVIGATION DISTRICT  
CHAPTER 66B-1 - COOPERATIVE ASSISTANCE PROGRAM**

**66B-1.005      Funds Allocation**  
**66B-1.008      Project Eligibility**

**66B-1.005 Funds Allocation.**

The Board will allocate funding for this program based upon the District's overall goals, management policies, fiscal responsibilities and operational needs for the upcoming year. If funds are determined to be available for the program, the District will notify potential eligible state and regional agencies of the availability of program funding and the authorized submission period. Applications will be reviewed by the Board utilizing District Form No. 00-25 and No. 00-25 (a) thru (f) Cooperative Assistance Program Application Evaluation and Rating Worksheet (effective date 4-24-06) hereby incorporated by reference and available from the District office.

(1) through (5) No change.

(6) Public Navigation: Projects or project elements in the category of public navigation that will qualify for up to seventy-five percent (75%) program funds must be within the Intracoastal Right-of-Way (ROW), or provide public navigation channel access to two or more publicly accessible launching, mooring or docking facilities. In addition, the following shall apply:

(a) Navigation channel dredging: The project sponsor must demonstrate that the source of channel sedimentation has been identified and is in the process of, or has been controlled, or that the frequency and amount of shoaling is such that dredging will provide an improvement to the channel that will last for twenty (20) years or more and therefore is more cost effective than identifying and correcting the cause of shoaling, or that the cost of identifying the source of channel sedimentation exceeds the cost of the dredging project;

(b) Navigation channel lighting and markers must be located on primary or secondary public navigation channels. All other public navigation projects or project elements must have a minimum of one facility open to the public and will only qualify for up to fifty percent (50%) program funding. Dredging that is associated or ancillary to another use (such as a boat ramp, marina or pier) will be prioritized according to the associated use.

(7) Land Acquisition: Land acquisition projects that provide for commercial/industrial waterway access shall qualify for a maximum of fifty (50) percent funding. All other land acquisition projects shall qualify for a maximum of twenty-five (25) percent program funding. All pre-agreement expenses for land acquisition must be completed within one-year of the date of application for funding. All funded land acquisition projects must construct the required boating access facility within 7 years of completion of the land acquisition, or the District may require the applicant to refund the program funding. Immediately upon acquiring title to the land, the applicant shall record a declaration of covenants in favor of the District stating that if the required boating access facility is not constructed within 7 years and dedicated for the public use as a boating access facility for a minimum period of 25 years after completion of construction, the District shall require the applicant to refund the program funding..

Rulemaking Authority 374.976(2) FS. Law Implemented 374.976(1), (3) FS. History—New 12-17-90, Amended 2-6-97, Formerly 16T-1.005, Amended 5-17-98, 3-31-99, 3-21-01, 7-30-02, 3-3-04, 4-21-05, 4-24-06, 4-15-07, 3-25-08, 4-1-09, 3-7-11, 3-7-12, 4-10-13, \_\_-\_\_-\_\_.

**66B-1.008 Project Eligibility.**

(1) Eligible Projects: Financial assistance and support through this program shall be used to plan or carry out public navigation and anchorage management, public recreation, environmental education, boating safety, acquisition and development of spoil sites and publicly owned commercial/industrial waterway access directly related to the waterways, acquisition and development of public boat ramps, launching facilities and boat docking and mooring facilities, and inlet management, maritime management planning, environmental mitigation and beach renourishment directly related to the waterways.

(a) Program funds may be used for projects such as acquisition planning, development, construction, reconstruction, extension or improvement, of the following for public use on land and water:

1. Public navigation channel dredging;
2. Public navigation aids and markers;
3. Inlet management projects that are a benefit to public navigation in the District;
4. Public shoreline stabilization directly benefiting the District's waterway channels;
5. Acquisition and development of publicly owned spoil disposal site and public commercial/industrial waterway access;



6. Waterway signs and buoys for safety, regulation or information;
  7. Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities;
  8. Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities;
  9. Derelict Vessel Removal;
  10. Waterways related environmental education programs and facilities;
  11. Public fishing and viewing piers;
  12. Public waterfront parks and boardwalks and associated improvements;
  13. Maritime Management Planning;
  14. Waterways boating safety programs and equipment;
  15. Beach renourishment on beaches adversely impacted by navigation inlets, navigation structures, navigation dredging, or a navigation project; and
  16. Environmental restoration, enhancement or mitigation projects; and
  17. Other waterway related projects. Navigation projects that do not meet specific criteria in subsection 66B-1.005(6), F.A.C., but are located on eligible waterways shall be considered for funding under the priority listing of "other waterway related project" and eligible for 25% funding.
- (b) Ineligible Projects or Project Elements: Project costs ineligible for program funding or matching funds will include: contingencies, miscellaneous, reoccurring personnel related costs, land acquisition that is not for additional trailer parking at an existing boat ramp, irrigation equipment, ball-courts, park and playground equipment, and any extraneous recreational amenities not directly related to the waterway such as the following:
1. Landscaping that does not provide shoreline stabilization or aquatic habitat;
  2. Restrooms for non-waterway users;
  3. Roadways providing access to non-waterway users;
  4. Parking areas for non-waterway users;
  5. Utilities for non-waterway related facilities;
  6. Lighting for non-waterway related facilities;
  7. Project maintenance and maintenance equipment;
  8. Picnic shelters and furniture for non-waterway related facilities;
  9. Vehicles to transport vessels;
  10. Operational items such as fuel, oil, etc.;
  11. Office space that is not incidental and necessary to the operation of the main eligible public building;
  12. Conceptual project planning, including: cost-benefit analysis, public surveys, opinion polls, public meetings, and organizational conferences; and
  13. Inlet maintenance.
- (c) Project Elements with Eligibility Limits: Subject to approval by the Board of an itemized expense list:
1. The following project costs will be eligible for program funding or as matching funding if they are performed by an independent contractor:
    - a. Project management, administration and inspection;
    - b. Design, permitting, planning, engineering or surveying costs for completed construction project;
    - c. Restoration of sites disturbed during the construction of an approved project; and
    - d. Equipment costs.

Before reimbursement is made by the District on any of the costs listed in subparagraph 1. above, a construction contract for the project approved and executed by the project sponsor and project contractor must be submitted to the District.
  2. Marine fire-fighting vessels are eligible for a maximum of \$60,000 in initial District funding. Marine law enforcement and other vessels are eligible for a maximum of ~~\$30,000~~ \$60,000 in initial District funding. All future replacement and maintenance costs of the vessel and related equipment will be the responsibility of the applicant.
  3. Waterway related environmental education facility funding will be limited to those project elements directly related to the District's waterways.
- (d) Phasing of Projects: Applications for eligible waterway projects may be submitted as a phased project where Phase I will include the design, engineering and permitting elements and Phase II will include the construction of the project. A description and cost estimate of the Phase II work shall be submitted along with the Phase I application for Board review.
- (2) through (7) No change.

**66B - FLORIDA INLAND NAVIGATION DISTRICT  
CHAPTER 66B-2 - WATERWAYS ASSISTANCE PROGRAM**

**66B-2.005      Funds Allocation**  
**66B-2.008      Project Eligibility**

**66B-2.005 Funds Allocation.**

The Board will allocate funding for this program based upon the District's overall goals, management policies, fiscal responsibilities and operational needs for the upcoming year. Funding allocations to navigation related districts, member counties and local governments shall be based upon the proportional share of the District's ad valorem tax collections from each county. If funds are determined to be available for the program, the District will notify potential eligible governmental agencies of the availability of program funding. Applications will be reviewed by the Board utilizing District Forms No. 91-25 and 91-25 (A) through (F) Waterways Assistance Program Application and Evaluation Worksheet (effective date 1/2014), hereby incorporated by reference and available at: <http://www.flrules.org/Gateway/reference.asp?No=Ref-03568> and available from the District office or by download from the District's webpage at: [www.aicw.org](http://www.aicw.org).

(1) through (5) No change.

(6) Public Navigation: Projects or project elements in the category of public navigation that will qualify for up to seventy-five percent (75%) program funds must be within the Intracoastal Right-of-Way (ROW), or provide public navigation channel access to two or more publicly accessible launching, mooring or docking facilities. In addition, the following shall apply:

(a) Navigation channel dredging: The project sponsor must demonstrate that the source of channel sedimentation has been identified and is in the process of, or has been controlled, or that the frequency and amount of shoaling is such that dredging will provide an improvement to the channel that will last for twenty (20) years or more and therefore is more cost effective than identifying and correcting the cause of shoaling, or that the cost of identifying the source of channel sedimentation exceeds the cost of the dredging project.

(b) Navigation channel lighting and markers must be located on primary or secondary public navigation channels.

Navigation projects or project elements that have one facility open to the public will qualify for up to fifty percent (50%) program funding. Dredging that is associated or ancillary to another use (such as a boat ramp, marina or pier) will be prioritized according to the associated use.

(7) Land Acquisition: Land acquisition projects that provide for commercial/industrial waterway access shall qualify for a maximum of fifty (50) percent funding. All other land acquisition projects shall qualify for a maximum of twenty-five (25) percent program funding. All pre-agreement expenses for land acquisition must be completed within one-year of the date of application for funding. All funded land acquisition projects must construct the required boating access facility within 7 years of completion of the land acquisition, or the District may require the applicant to refund the program funding. Immediately upon acquiring title to the land, the applicant shall record a declaration of covenants in favor of the District stating that if the required boating access facility is not constructed within 7 years and dedicated for the public use as a boating access facility for a minimum period of 25 years after completion of construction, the District shall require the applicant to refund the program funding.

(8) No change.

Rulemaking Authority 374.976(2) FS. Law Implemented 374.976(1), (3) FS. History—New 12-17-90, Amended 6-24-93, 9-5-96, 2-6-97, Formerly 16T-2.005, Amended 5-17-98, 8-26-99, 3-21-01, 7-30-02, 3-3-04, 4-21-05, 4-24-06, 4-15-07, 3-25-08, 4-1-09, 3-7-11, 3-7-12, 4-10-13, 1-27-14, - - .

**66B-2.008 Project Eligibility.**

(1) Eligible Projects: Financial assistance and support through this program shall be used to plan or carry out public navigation and anchorage management, public recreation, environmental education, boating safety, acquisition and development of spoil sites and publicly owned commercial/industrial waterway access directly related to the waterways, acquisition and development of public boat ramps, launching facilities and boat docking and mooring facilities, inlet management, maritime management planning, environmental mitigation and beach renourishment.

(a) Program funds may be used for projects such as acquisition, planning, development, construction, reconstruction, extension, or improvement, of the following types of projects for public use on land and water. These project types will be arranged into a priority list each year by vote of the Board. The priority list will be distributed to applicants with the project application.

1. Public navigation channel dredging;
2. Public navigation aids and markers;
3. Inlet management projects that are a benefit to public navigation in the District;



4. Public shoreline stabilization directly benefiting the District's waterway channels;
  5. Acquisition and development of publicly owned spoil disposal site and public commercial/industrial waterway access;
  6. Waterway signs and buoys for safety, regulation or information;
  7. Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities;
  8. Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities;
  9. Derelict Vessel Removal;
  10. Waterways related environmental education programs and facilities;
  11. Public fishing and viewing piers;
  12. Public waterfront parks and boardwalks and associated improvements;
  13. Maritime Management Planning;
  14. Waterways boating safety programs and equipment;
  15. Beach renourishment on beaches adversely impacted by navigation inlets, navigation structures, navigation dredging, or a navigation project; and
  16. Environmental restoration, enhancement or mitigation projects; and
  17. Other waterway related projects. Waterway projects that do not meet specific criteria in subsection 66B-2.005(5) or (6) or subparagraphs 66B-2.008(1)(a)1.-16., F.A.C., but are located on eligible waterways shall be considered for funding under the priority listing of "other waterway related project" and eligible for 25% funding.
- (b) Ineligible Projects or Project Elements. Project costs ineligible for program funding or matching funds will include: contingencies, miscellaneous, reoccurring personnel related costs, irrigation equipment, ball-courts, park and playground equipment, and any extraneous recreational amenities not directly related to the waterway such as the following:
1. Landscaping that does not provide shoreline stabilization or aquatic habitat;
  2. Restrooms for non-waterway users;
  3. Roadways providing access to non-waterway users;
  4. Parking areas for non-waterway users;
  5. Utilities for non-waterway related facilities;
  6. Lighting for non-waterway related facilities;
  7. Project maintenance and maintenance equipment;
  8. Picnic shelters and furniture for non-waterway related facilities;
  9. Vehicles to transport vessels; and
  10. Operational items such as fuel, oil, etc.
  11. Office space that is not incidental and necessary to the operation of the main eligible public building; and
  12. Conceptual project planning, including: public surveys, opinion polls, public meetings, organizational conferences; and
  13. Inlet maintenance.
- (c) Project Elements with Eligibility Limits: Subject to approval by the Board of an itemized expense list:
1. The following project costs will be eligible for program funding or as matching funding if they are performed by an independent contractor:
    - a. Project management, administration and inspection;
    - b. Design, permitting, planning, engineering or surveying costs for completed construction project;
    - c. Restoration of sites disturbed during the construction of an approved project;
    - d. Equipment costs.
- Before reimbursement is made by the District on any of the costs listed in subparagraph 1. above, a construction contract for the project, approved and executed by the project sponsor and project contractor must be submitted to the District.
2. Marine fire-fighting vessels are eligible for a maximum of \$60,000 in initial District funding. Marine law enforcement and other vessels are eligible for a maximum of \$30,000 \$60,000 in initial District funding. All future replacement and maintenance costs of the vessel and related equipment will be the responsibility of the applicant
  3. Waterway related environmental education facility funding will be limited to those project elements directly related to the District's waterways.
- (d) Phasing of Projects: Applications for eligible waterway projects may be submitted as a phased project where Phase I will include the design, engineering and permitting elements and Phase II will include the construction of the project. A description and cost estimate of the Phase II work shall be submitted along with the Phase I application for Board review.
- (2) through (7) No change.

Rulemaking Authority 374.976(2) FS. Law Implemented 374.976(1)-(3) FS. History—New 12-17-90, Amended 9-2-92, 6-24-93, 2-3-94, 4-12-95, 9-5-96, 2-6-97, Formerly 16T-2.008, Amended 5-17-98, 3-31-99, 5-25-00, 3-21-01, 7-30-02, 3-20-03, 3-3-04, 4-15-07, 3-25-08, 4-1-09, 2-22-10, 3-7-11, 3-7-12, 1-27-14, 2-17-15, \_\_-\_\_-\_\_.

# FLORIDA INLAND NAVIGATION DISTRICT



TO: All FIND Commissioners, Executive Director

FROM: Janet Zimmerman, Assistant Executive Director *JZ*

DATE: August 12, 2015

SUBJECT: FIND Regulatory Plan 2015-2016

## COMMISSIONERS

**J. CARL BLOW**  
CHAIR  
ST. JOHNS COUNTY

**DONALD J. CUOZZO**  
VICE-CHAIR  
MARTIN COUNTY

**JON NETTS**  
TREASURER  
FLAGLER COUNTY

**SUSANNE McCABE**  
SECRETARY  
VOLUSIA COUNTY

**E. TYLER CHAPPELL**  
BROWARD COUNTY

**T. SPENCER CROWLEY, III**  
MIAMI-DADE COUNTY

**DON DONALDSON**  
ST. LUCIE COUNTY

**PAUL U. DRITENBAS**  
INDIAN RIVER COUNTY

**CHARLES C. ISIMINGER**  
PALM BEACH COUNTY

**JERRY H. SANSOM**  
BREVARD COUNTY

DUVAL COUNTY

**LYNN A. WILLIAMS**  
NASSAU COUNTY

**MARK T. CROSLEY**  
EXECUTIVE DIRECTOR

**JANET ZIMMERMAN**  
ASSISTANT EXECUTIVE  
DIRECTOR

During the past legislative session, the Legislature revised the requirements of the Annual Review of Agency Rules pursuant to Section 120.74, Florida Statutes (F.S.). The District has reformatted its Regulatory Plan to meet these new requirements.

In addition to format changes the revised F.S. 120.74(2), requires by October 1<sup>st</sup> that the District must:

- Publish the plan on FIND's website;
  - Note that under subsection (2)(c), the regulatory plan must remain active on FIND's website for 10 years after the date of initial publication.
- Email a copy of the plan (which includes the signed certifications) to Joint Administrative Procedures Committee (JAPC);
- Publish a notice in the FAR which states the date of publication of the regulatory plan. Include in the notice either a hyperlink directly to the plan or a website address directly to the plan.

**FLORIDA INLAND NAVIGATION DISTRICT  
1314 MARCINSKI ROAD  
JUPITER, FL 33414**

**REGULATORY PLAN FOR FY 2015-16**

**I. Background and Purpose.** Section 2 of Chapter 2015-162, Laws of Florida, which became effective on July 1, 2015, substantially reworded Section 120.74, Florida Statutes "Agency annual rulemaking and regulatory plans; reports." Under the reworded statute, "[b]y October 1 of each year, each agency shall prepare a regulatory plan." Florida Inland Navigation District ("District"), by virtue of being a multicounty special district whose governing board is comprised of nonelected persons, is an "agency" pursuant to Section 120.52(1)(a), Florida Statutes. This Regulatory Plan is adopted to satisfy the requirements of Section 120.74, Florida Statutes (2015).

**II. Section 120.74(1)(a).** This paragraph requires the District to "list each law enacted or amended during the previous 12 months which creates or modifies the duties or authority of the agency."

A. During the previous 12 months, no laws have been enacted or amended which create or modify the duties or authority of the District.

B. Consequently, the District is not required to adopt any rules.

**III. Section 120.74(1)(b).** This paragraph requires the District to "include a listing of each law not otherwise listed pursuant to paragraph (a) which the agency expects to implement by rulemaking before the following July 1, except emergency rulemaking. For each law listed under this paragraph, the plan must state whether the rulemaking is intended to simplify, clarify, increase efficiency, improve coordination with other agencies, reduce regulatory costs, or delete obsolete, unnecessary, or redundant rules."

The following is a listing of each law the District expects to implement by rulemaking prior to July 1, 2016:

<b>Rule Number</b>	<b>Rule Title</b>	<b>FAC Number</b>	<b>Regulatory Action Anticipated</b>	<b>Statute Implemented</b>
66B-2	Waterways Assistance Program-Funds Allocation	66B-2.005	Amend rule to clarify the rule	Sec. 374.976
66B-2	Waterways Assistance Program-Project Eligibility	66B-2.008	Amend rule to clarify the rule	Sec. 374.976
66B-1	Cooperative Assistance Program-Funds Allocation	66B-1.005	Amend rule to clarify the rule	Sec. 374.976
66B-1	Cooperative Assistance Program-Project Eligibility	66B-1.008	Amend rule to clarify the rule	Sec. 374.976

IV. **Section 120.74(1)(c).** This paragraph requires the District to “include any desired update to the prior year’s regulatory plan or supplement published pursuant to subsection (7).” Also, “[i]f, in a prior year, a law was identified under this paragraph or under subparagraph (a)1. as a law requiring rulemaking to implement but a notice of proposed rule has not been published: 1. The agency shall identify and again list such law, noting the applicable notice of rule development by citation to the Florida Administrative Register; or 2. If the agency has subsequently determined that rulemaking is not necessary to implement the law, the agency shall identify such law, reference the citation to the applicable notice of rule development in the Florida Administrative Register, and provide a concise written explanation of the reason why the law may be implemented without rulemaking. “

A. The District does not desire to make any updates to the prior year’s regulatory plan, and no supplements have been published pursuant to subsection (7).

B. No laws were identified in a prior year under paragraph 120.74(1)(c) or under subparagraph 120.74(1)(a)1. as a law requiring rulemaking to implement. Therefore, the requirements of subparagraphs 120.74(1)(c)1. and 2. are not applicable.

V. **Section 120.74(1)(d).** This paragraph requires the District to “include a certification executed on behalf of the agency by both the agency head, or, if the agency head is a collegial body, the presiding officer; and the individual acting as principal legal advisor to the agency head. The certification must: 1. Verify that the persons executing the certification have reviewed the plan. 2. Verify that the agency regularly reviews all of its rules and identify the period during which all rules have most recently been reviewed to determine if the rules remain consistent with the agency’s rulemaking authority and the laws implemented.”

A. Certification of Chair of Board of Commissioners.

The undersigned, as Chair of the Board of Commissioners of the Florida Inland Navigation District, hereby certifies on behalf of the Board that: (i) he and the Board reviewed the Regulatory Plan at the Board’s meeting held on August 21, 2015, at which time the Board approved the Regulatory Plan and authorized the undersigned to execute and submit the Regulatory Plan; (ii) the District regularly reviews all of its rules; and (iii) the District last reviewed its rules to determine if the rules remain consistent with the agency’s rulemaking authority and the laws implemented at the Board’s July 18, 2015 meeting.

---

Carl Blow, Chair  
Board of Commissioners  
Florida Inland Navigation District  
Date: August 21, 2015

B. Certification of Principal Legal Advisor to Board of Commissioners.

The undersigned, as the District's General Counsel and principal legal advisor to the Board of Commissioners of the Florida Inland Navigation District, hereby certifies that: (i) he has reviewed the Regulatory Plan; (ii) the District regularly reviews all of its rules; and (iii) the District last reviewed its rules to determine if the rules remain consistent with the agency's rulemaking authority and the laws implemented at the Board's July 18, 2015 meeting.

---

Peter L. Breton, Esq.  
General Counsel  
Florida Inland Navigation District  
Date: August 21, 2015



# FLORIDA INLAND NAVIGATION DISTRICT



## COMMISSIONERS

**J. CARL BLOW**  
CHAIR  
ST. JOHNS COUNTY

**DONALD J. CUOZZO**  
VICE-CHAIR  
MARTIN COUNTY

**JON NETTS**  
TREASURER  
FLAGLER COUNTY

**SUSANNE McCABE**  
SECRETARY  
VOLUSIA COUNTY

**E. TYLER CHAPPELL**  
BROWARD COUNTY

**T. SPENCER CROWLEY, III**  
MIAMI-DADE COUNTY

**DON DONALDSON**  
ST. LUCIE COUNTY

**PAUL U. DRITENBAS**  
INDIAN RIVER COUNTY

**CHARLES C. ISIMINGER**  
PALM BEACH COUNTY

**JERRY H. SANSOM**  
BREVARD COUNTY

**LYNETTE SELF**  
DUVAL COUNTY

**LYNN A. WILLIAMS**  
NASSAU COUNTY

**MARK T. CROSLLEY**  
EXECUTIVE DIRECTOR

**JANET ZIMMERMAN**  
ASSISTANT EXECUTIVE  
DIRECTOR

August 11, 2015

## MEMO

To: Mark Crosley, Executive Director

From: Mark Tamblyn, Field Projects Manager *MT*

Attached are the bid results for the IR-2 Monitoring Well Project

The bid submitted by Smart-Sciences, Inc. is the lowest bid for the IR-2 Well Monitoring Project.

Smart-Sciences, Inc. has qualified for the following several reasons:

- 1) Submitting the lowest bid of \$16,890.00 / \$ 1,407.50.
- 2) Their references were favorable and cooperative, and the jobs represented the same types, as this District project.
- 3) The bid submittal was received prior to the closing.
- 4) The contractor is new to working with the District but their references were positive and research on the company show a small established environmental consulting firm.

I recommend that the contract be awarded to the low bidder Smart-Sciences, Inc. The bid results have been emailed or faxed to all the bidders for their record and review.



FLORIDA INLAND NAVIGATION DISTRICT  
IR-2 Indian River County  
Well Monitoring Bid Results FY 15-18

Environmental Reagent Service  
3860 SW 30th Ave  
Ft. Lauderdale, FL 33312

\$12, 124.00 / \$ 1,010.33  
Late Bid Arrival 3:45 PM  
Disqualified

Bonn Environmental Services  
P.O. Box 2621  
Ponte Vedra, FL 32004

\$16, 500.00 / \$ 1, 375.00  
Late Bid Arrival 3:02 PM  
Disqualified

Smart-Sciences, Inc.  
329 Palermo Avenue  
Coral Gables, FL 33134

\$16, 890.00 / \$1,407.50

ARCADIS US, Inc.  
2081 Vista Parkway Suite 305  
West Palm Beach, FL 33411

\$ 27, 000.00 / \$ 2, 250.00

FLORIDA INLAND NAVIGATION DISTRICT  
1314 Marcinski Road  
Jupiter, FL 33477

MEETING MINUTES  
BID OPENING  
August 10, 2015

A Public Meeting was held pursuant to Florida Statutes Section 255.0518 on August 10, 2015, 3 p.m. to open bids for the three-year quarterly monitoring of wells at IR-2. Mark Crosley, Executive Director of the District, called the meeting to order at 3:00 p.m.. Those in attendance were Janet Zimmerman, Assistant Executive Director, FIND.

Mr. Crosley verified that each bid package was received in accordance with the Instructions to Bidders. Mr. Crosley did note that Mr. Mark Tamblyn was absent from work today and as such he was unable to verify if there were any email bids before the 3 p.m. deadline.

Mr. Crosley then opened each bid package and read aloud the name of the bidder and the amount of the bid, as follows:

<u>NAME OF BIDDER</u>	<u>AMOUNT OF BID</u>
Smart Sciences, Inc.	\$16,890
Arcadis	\$27,000

There being no other business, Mr. Crosley adjourned the meeting at 3:04 p.m.

  
Janet Zimmerman  
Assistant Executive Director

NAME OF FIRM	PROJECT BID		
<u>SMART - SCIENCES, INC.</u>	\$ <u>16,890</u>		
<u>ARCADIS</u>	\$ <u>27,000</u>		
<u>ENVIRONMENTAL REAGENT SVCE</u>	\$ <u>12,124</u>	LATE	3:45
<u>BOWN ENV SVCE+TECH</u>	\$ <u>16,500</u>	LATE	3:02
<u></u>	\$ <u></u>		

**LATE****FLORIDA INLAND NAVIGATION DISTRICT****SITE IR-2  
WELL MONITORING PROJECT****Bid Submittal Form**

Bids are to be made on a total cost basis with an award made to the low qualified bidder.

NAME OF FIRM: ENVIRONMENTAL REAGENT SERVICE

ADDRESS 3860 SW 30TH AVE, FT LAUDERDALE FL 33312

TELEPHONE: (954) 316-8792

REFERENCES: (Name, Address, Phone, Contact Person)

1. GEORGE GARBA 11791 SW 49TH STREET, COOPER CITY, FL 33330 (954)

434-5519 COOPER CITY UTILITIES

2. AL SALERNO 3015 SW 54TH AVE FT LAUDERDALE FL 33314 (561)862-7263

FERNCREST UTILITIES

TOTAL PROJECT BID COST \$ 12,124.00

/ 1,010.33 EVENT

WALTER FURMAN

Signature

LAB MANAGER

Title

**FLORIDA INLAND NAVIGATION DISTRICT**  
**FAX: 561-624-6480**

**SITE IR-2**  
**WELL MONITORING PROJECT**  
**(3 yrs: 12 quarterly events w 7 MWs)**

**Bid Submittal Form**

Bids are to be made on a total cost basis with an award made to the low qualified bidder.

NAME OF FIRM: **Bonn Environmental Services & Technologies, Inc.**

ADDRESS: **P.O. Box 2621**

**Ponte Vedra Beach, FL 32004**

TELEPHONE: **office: 904-683-0930; cell: 904-504-7192**

REFERENCES: (Name, Address, Phone, Contact Person)

1. **Florida Department of Environmental Protection - NE District**

**8800 Baymeadows Way, Suite 100, Jacksonville, FL 32256**

**Contact: Darin McKeehen, P.G. Site Mgr 904-256-1545**

2. **City of Jacksonville - Environmental Quality Division**

**214 N Hogan St, 5th Floor, Jacksonville, FL 32202**

**Contact: Allene Rachal, P.G., Program Mgr: 904-255-7100**

TOTAL PROJECT BID COST \$ 16,500.00 / 1375.00 / EVENT

**Gregory N. Bonn**  
 Signature

**President/CEO**  
 Title

## FLORIDA INLAND NAVIGATION DISTRICT

SITE IR-2  
WELL MONITORING PROJECT

## Bid Submittal Form

Bids are to be made on a total cost basis with an award made to the low qualified bidder.

NAME OF FIRM: SMART-SCIENCES, INC.ADDRESS: 329 PALERMO AVENUECORAL GABLES, FLORIDA 33134TELEPHONE: 786-313-3977 Attention: Sid Duque or

REFERENCES: (Name, Address, Phone, Contact Person)

Gisele Colbert1. MARINO FERNANDEZ, INTERNATIONAL (cell) 954-494-32722. ANALYTICAL GROUP, 5555 HOLLYWOOD BLVD#301, HOLLYWOOD, FL 33021 - MARINO FERNANDEZ2. AIR QUEST ENVIRONMENTAL, INC. (954) 894-40236851 SW 45TH ST, FORT LAUDERDALE, FL 33314TERESA THOMAS (954) 792-4549 (cell) 954-260-6715

Ext-120

TOTAL PROJECT BID COST \$ 16,890

Signature

VICE PRESIDENT

Title

GC Colbert  
@ SmartSciences.com305 (Sid)  
907  
4621

**FLORIDA INLAND NAVIGATION DISTRICT****SITE IR-2  
WELL MONITORING PROJECT****Bid Submittal Form**

Bids are to be made on a total cost basis with an award made to the low qualified bidder.

NAME OF FIRM: ARCADIS U.S., Inc.

ADDRESS: 2081 Vista Parkway, Suite 305, West Palm Beach, FL 33411

TELEPHONE :561 697-7043; EMAIL: patrick.nolan@arcadis-us.com

REFERENCES: (Name, Address, Phone, Contact Person)

1. Florida Department of Environmental Protection, Hazardous Waste Cleanup Section,  
2600 Blairstone Road, MS 4520, Tallahassee, FL 32399

Tel.: 850 245-8966, Ms. Theresa Pepe

2. Brevard County Natural Resources Management, 2725 Judge Fran Jamieson Way,  
Building A, Melbourne, FL 32940

Tel.: 321 633-2016, Ms. Susan Gosselin

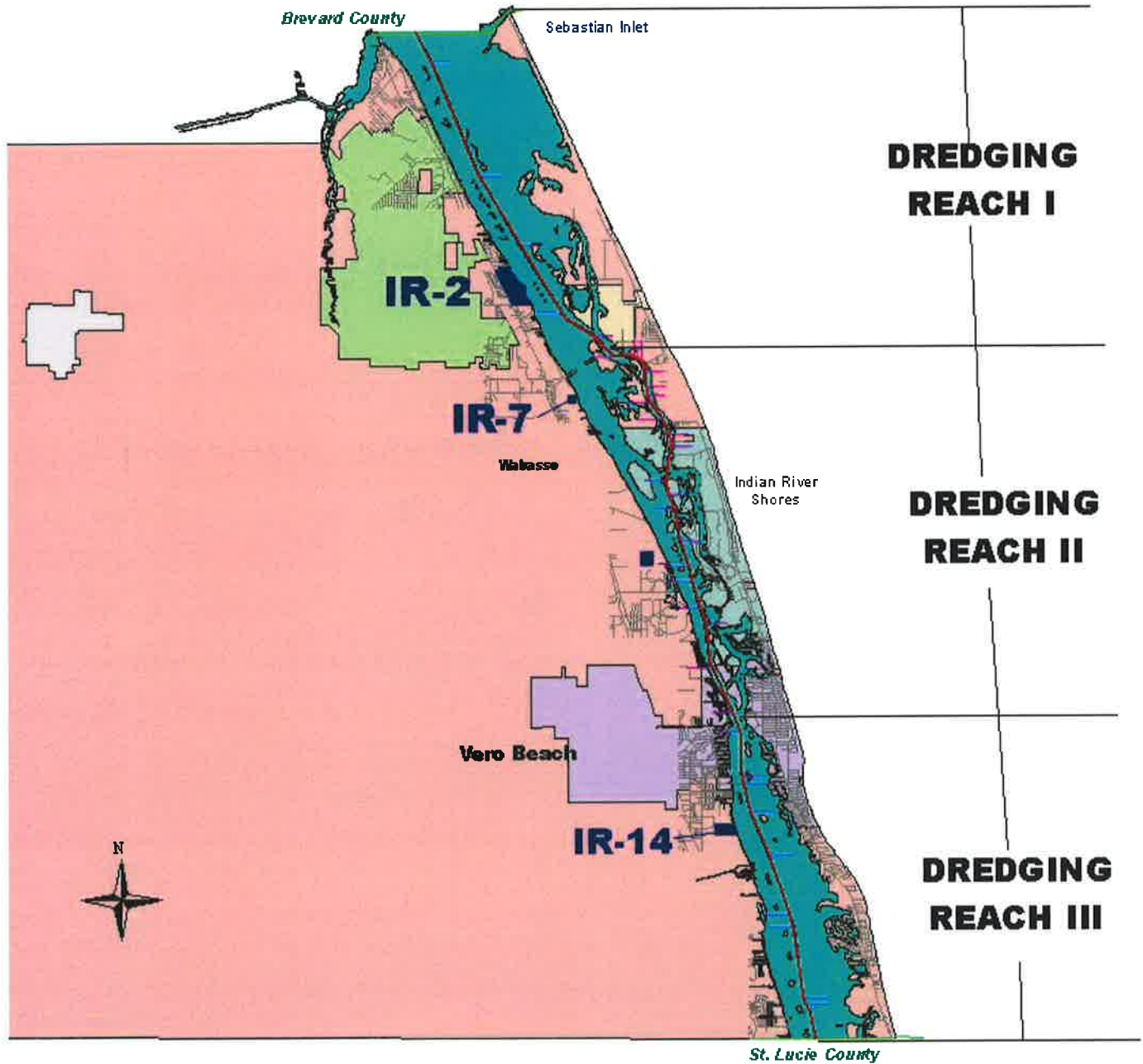
TOTAL PROJECT BID COST    \$27,000.00

  
Signature

Senior Hydrogeologist/Project Manager  
Title

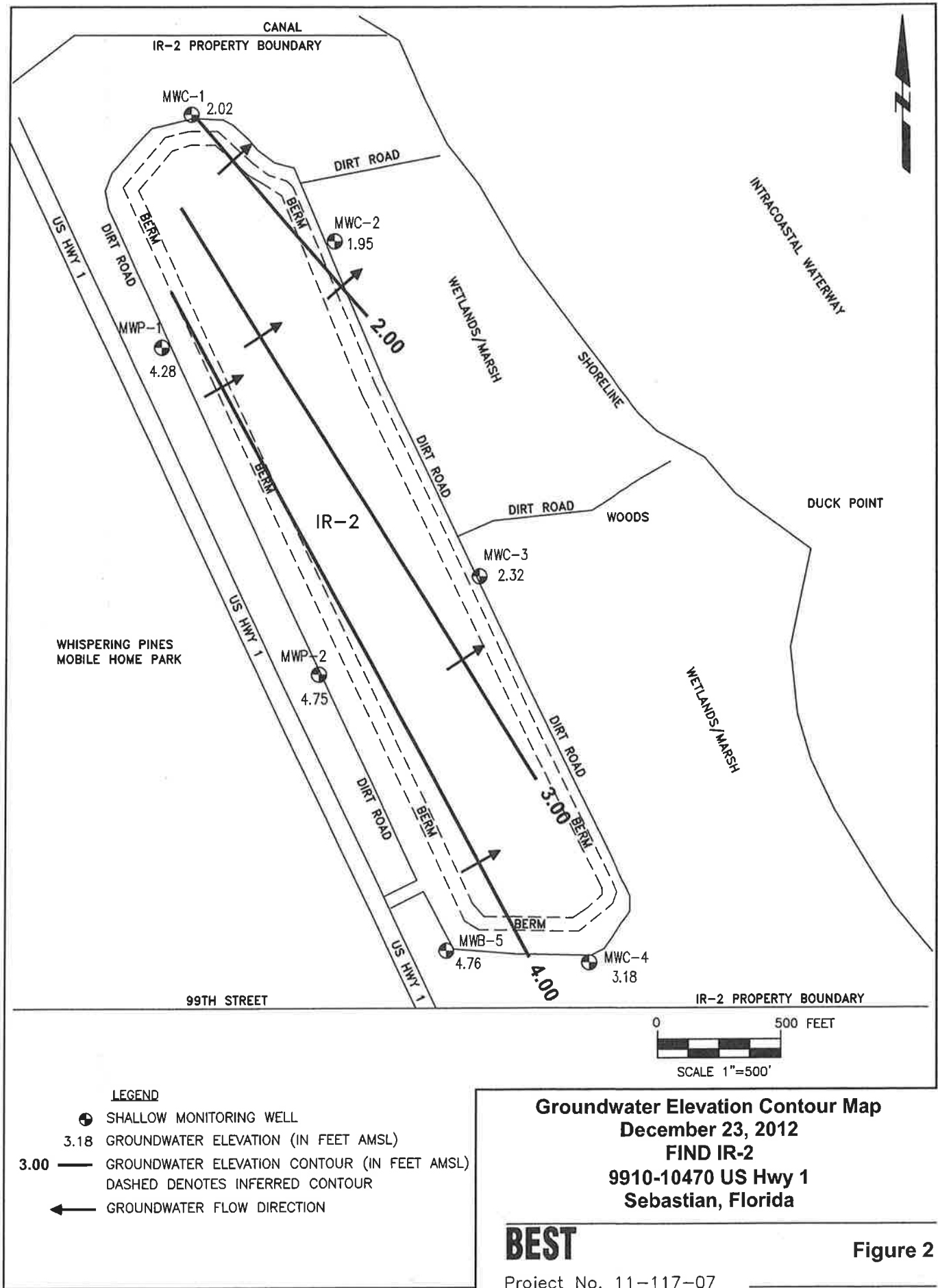


# INTRACOASTAL WATERWAY DREDGING REACHES AND DREDGED MATERIAL MANAGEMENT AREAS IN INDIAN RIVER COUNTY









# Home

**Smart-Sciences, Incorporated** provides expertise in environmental permitting, ecological consulting and environmental science to private, industrial and public sector clients. Our mission is to provide innovative solutions that promote smart growth and human development in an environmentally sustainable manner. We approach each project as collaborators, bringing our comprehensive knowledge and our understanding of both the natural and regulatory environment. We have a proven record of accomplishing complex land development projects and large scale restoration projects in a timely and cost effective manner.

We believe communication, accessibility and responsiveness along with resourceful professionals and cutting edge technical expertise allows us to provide superior service to our clients. Smart-Sciences works to identify and understand your goals and provides innovative, practical solutions that meet your business needs. Smart-Sciences is woman-owned and currently certified as a Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation, Woman Owned Business Enterprise (WBE) with the Florida Department of Management Services, Small Business Enterprise (SBE) with the South Florida Water Management District, Miami-Dade County (SBE and Tier 1 CBE) and is a Woman Owned Small Business (WOSB) with the federal government.



## Services Provided

- Project Due Diligence – Ecological and Phase I Environmental Site Assessments
- Local, State and Federal Environmental Permitting
- Wetland Delineation and Wildlife Studies
- Mitigation Assessment, Design and Monitoring
- Threatened and Endangered Species Studies (including bat surveys)
- NEPA/PD&E Studies and Design Projects

- Seagrass and Benthic Resource Surveys
- Tree Surveying and Permitting
- Habitat Assessments and Conservation Plans
- Geographic Information System (GIS) Mapping
- Consumptive Use Permitting
- Environmental Planning/Development of Regional Impact Assistance
- Turbidity Monitoring
- Contamination Site Assessment

329 Palermo Avenue | Suite 210 | Coral Gables, FL 33134 | P: 786.313.3977 | F: 305.356.4333

# Professional Services

## Professional Services Overview

### Land Development Services

- Ecological Project Due Diligence – Preliminary site evaluation for wetlands and listed species
- Phase I Environmental Site Assessments
- Aerial photo interpretation and land use mapping
- Environmental constraints analyses/Feasibility studies
- Federal, state and local permitting, including: U.S. Army Corps of Engineers (Section 404), Environmental Resource Permitting (ERP) with all Water Management Districts and the Florida Department of Environmental Protection (FDEP); Miami-Dade and Broward Counties Wetland and Marine Permitting
- Environmental planning/Development of Regional Impact assistance
- Wetland jurisdictional determinations/functional assessments (UMAM, WRAP, WATER etc.)
- Impact avoidance/minimization analyses
- Mitigation design and monitoring
- Protected wildlife and plant species studies, impact assessment, permitting and management
- Tree Surveying and Permitting
- Permit compliance
- Water quality monitoring studies
- Geographic Information Systems (GIS) project support

#### PROJECTS

City of Opa Locka Environmental Assessments

Hialeah Gardens Industrial Development Mandated Bat Survey

Hialeah Gardens Industrial Development Permitting and Environmental Compliance

Kendall 172 West Residential Development

Kingman Commons Residential Development

Titan America – Environmental Services

Vihlen Natural Forest Community Pine Rockland

## Western Miami Property Industrial / Warehouse Development

**Environmental Permitting**

- State and federal Environmental Resource Permitting U.S. Army Corps of Engineers (Section 404), Environmental Resource Permitting (ERP) with all Water Management Districts and the Florida Department of Environmental Protection (FDEP)
- FDEP/USACE – Joint Coastal Permitting (JCP)
- Local wetland permitting – Miami-Dade County Class I/IV, Broward County Environmental Resource License
- Natural Forest Community Permitting
- Mitigation analysis – UMAM, WATER, and WRAP Analysis
- Protected species permitting and mitigation
- Dock, seawall and marina permitting
- USCG bridge permitting
- Consumptive use permitting
- Tree relocation permitting

## PROJECTS

Beacon Lakes Community Development District NW 12th Ave. Ext.

Indian Creek Village Bridge Restoration Project

Nob Hill Tract 4 and Hiatus Tract 8 Warehouse Development

River Oaks Preserve Stormwater Park

Tidal Swamp Landscape Environmental Restoration

Westminster Manor

**NEPA/Transportation PD&E Studies**

- Environmental Impact Studies, Environmental Assessments/Findings of No Significant Impact
- Impact and Categorical Exclusions
- Alternatives Development and Analysis
- Agency Consultation
- Biological Assessments
- Wetland Evaluation
- Essential Fish Habitat Analysis
- Integrated Natural Resources Management Plan
- Water Quality Analysis
- Contamination Assessment/Screening

## PROJECTS

FDOT D6 RRR

FDOT District 4 Broward Mobility  
Kingfisher Bridge  
NAS Key West

### **Ecological Services**

- Wetland Delineation
- Seagrass/Benthic Mapping and Monitoring
- Protected Species Observers
- Vegetation and Wildlife Surveys
- Threatened and Endangered Species Assessments
- Habitat Assessments and Conservation Plans
- Wetland Mitigation Design and Monitoring
- Wildlife at Work Certification
- Nuisance/Exotic Species Eradication Control Planning
- Biological Monitoring
- GIS Habitat Mapping and Analysis
- USFWS Section 7 and 10 Consultations

### **PROJECTS**

Greynolds Park Renovations and Improvements  
HARB Fish Study Twin Lake / Phantom Lake  
Homestead Air Reserve Base (HARB) Pine Rockland Restoration  
Homestead Entrance Control Complex Bat Survey  
Pompano Commerce Center Burrowing Owl Survey  
SFWMD Land Management Service Contract  
Wetland and Wildlife Services Contract

### **Contamination Assessments**

- Phase I and II Environmental Site Assessments
- Soil, Surface Water and Groundwater Sampling
- Site Assessment Reports
- Regulatory Compliance and Management
- Turbidity Monitoring
- Underground Storage Tank Removal and Closure Assessments

### **PROJECTS**

Bicentennial Park Turbidity  
City of Miami Beach – Phase I Environmental Assessment  
Shell Alvarez Plaza Contamination Assessment Study



## Tank Closure and Assessment

329 Palermo Avenue | Suite 210 | Coral Gables, FL 33134 | P: 786.313.3977 | F: 305.356.4333

## Key Personnel

329 Palermo Avenue | Suite 210 | Coral Gables, FL 33134 | P: 786.313.3977 | F:  
305.356.4333



### **Gisele Colbert, M.S., LEP**

**Senior Scientist** Ms. Colbert has more than 20 years of experience in managing and supervising technical projects and in leading inter-disciplinary teams consisting of engineers, geologists, ecologists and other technical experts. Ms. Colbert has extensive experience in all types of environmental permitting in the State of Florida (including Environmental Resource Permits (ERPs), Local Wetlands Permitting, Coastal Construction Permitting, Tree Permitting, Water Use Permit (WUP), industrial wastewater), as well as practical applications of wetland ecology and surface and groundwater hydrology in the South

and Central Florida ecosystems. Her experience includes agency coordination, environmental permitting, wetland jurisdictional determinations and mitigation assessments, mitigation design and implementation, wetland monitoring and maintenance, benthic resource surveys, natural resource management, threatened and endangered species studies, habitat evaluation, conservation plans, water quality analysis, NEPA/PD&E environmental assessments, tree surveys, contamination assessments and remediation that consider both ecological and human health risks, GIS and training/teaching. Ms. Colbert is also a Licensed Environmental Professional and has performed numerous Phase I and II Environmental Site Assessments throughout the United States. Ms. Colbert has used this broad background and her project management skills to provide quality driven,

#### **Education**

M.S., Biology, Florida International University, 2000

Post Graduate Studies in Environmental Law/Toxicology, Duke University, 1995

B.S. Biological Science (minor in Chemistry), Florida State University, 1994

#### **Professional Licenses / Certifications**

Licensed Environmental Professional #25

Certified FDEP Stormwater, Erosion and Sedimentation Control Inspector

OSHA 40-Hour HAZWOPER/OSHA 8-HR Site Supervisor

technically sound solutions that meet the client's needs in an efficient and cost effective manner. She frequently presents on permitting, wetlands, endangered species and water use issues at the Florida Chamber Environmental Permitting School and Growth Management short courses as well as to professional organizations in the South Florida area.

Site Supervisor  
PADI Open Water Diver  
40-Hour Course in Wetland Identification  
and Delineation (USACE Regulation IV  
program)  
Florida UMAM Training, SFWMD, 2005  
Years of Experience  
20.5

### **Isidro Duque, P.G., LEP**

A Senior Project Manager with twenty seven (27) years of environmental consulting experience managing accounts in both the private and public sectors in Florida, Latin America and the Caribbean. Mr. Duque possesses strong negotiating skills to deal with regulatory agencies, client operations and industry demands resulting in site-specific strategic work plans that involve innovative solutions meeting clients and government agencies requirements.

Mr. Duque has coordinated and managed environmental projects and grant budgets for the United States Environmental Protection Agency and the United States Department of Interior, Bureau of Indian Affairs in addition to many clients in the private sector. In addition to planning and implementation of cost-effective environmental engineering solutions, Mr. Duque has started and managed environmental offices in Guatemala, Nicaragua and Panama, supported geotechnical and construction teams and has performed loss prevention system training (health and safety) for clients and subcontractors. Mr. Duque is experienced in investigations involving delineation and rehabilitation of sites impacted by hydrocarbon releases, chlorinated solvents, heavy metals, pesticides/herbicides and waste generated by varying industrial processes. Mr. Duque is experienced in conducting comprehensive land investigations that provide clients with the highest practical level of protection against past, present and future environmental liabilities. Typical clients include lending institutions, multi-national corporations, regulatory agencies, real estate investors, environmental attorneys, and owners and operators of cattle ranches, oil refineries, fuel distribution centers, gas stations, marinas, automotive repair and dry cleaning facilities among others.

329 Palermo Avenue | Suite 210 | Coral Gables, FL 33134 | P: 786.313.3977 | F: 305.356.4333

# Certifications

## State of Florida

- Florida Licensed Geology Business – GB754

## Federal Government

- Woman-Owned Small Business (WOSB)/Economically Disadvantaged WOSB
- Small Business Enterprise

## State of Florida Office of Supplier Diversity Uniform Certificate Program (UCP)

- Minority, Women & Service-Disabled Veteran Business Certification (MBE/WBE)

## Certifying entity

### Florida Department of Transportation Disadvantaged Business Enterprise

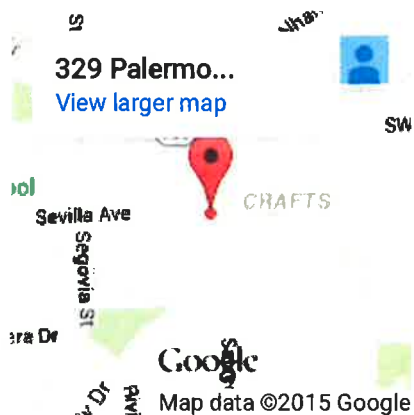
- (DBE) Certification

## Miami-Dade County

- Certified Business Enterprise (CBE Tier 1)
- SBE Certification
- CBE Certification
- Architecture/Engineering (A/E)

329 Palermo Avenue | Suite 210 | Coral Gables, FL 33134 | P: 786.313.3977 | F: 305.356.4333

## Contact



[View Larger Map](#)

**Smart-Sciences, Inc.**

329 Palermo Avenue

Suite 210

Coral Gables, Florida 33134

Phone: 786-313-3977

Fax: 305-356-4333

**Hours of Operation:**

Monday to Friday: 8:00 A.M. – 5:00 P.M.

Your Name (required)

Your Email (required)

Subject

Your Message

**ALCALDE & FAY**

GOVERNMENT &amp; PUBLIC AFFAIRS CONSULTANTS

August 7, 2015

**MEMORANDUM**

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

**FROM:** Jim Davenport

**SUBJECT:** Federal Legislative Report

---

**FISCAL YEAR 2016 APPROPRIATIONS**

The House adjourned on July 31<sup>st</sup>, and the Senate left town on August 6<sup>th</sup>. Congress will return on September 8<sup>th</sup>.

Congressional appropriators in both chambers advanced a number of key spending measures to date, but movement on appropriations bills has now stopped in the House after Republican leaders miscalculated the fallout from a Confederate flag amendment that caused them to scrap their work on two appropriations bills. Prior to that, Democrats had been calling for increased spending since the House-passed bills all adhere to the spending caps imposed by the sequester. Senate Democrats are steadfast in their opposition to several appropriations bills and have vowed to filibuster appropriations bills that make it to the floor. Likewise, President Obama has threatened to veto any spending measure reflecting significant funding reductions.

As you recall, on May 21<sup>st</sup>, the Senate Appropriations Committee marked up its fiscal year (FY) 2016 Energy and Water Appropriations Bill. The bill includes \$700,000 for the Intracoastal Waterway as recommended in the President's FY 2016 Budget request. The bill also includes a little over \$33 million for Navigation Maintenance, \$45 million for Inland Waterways, and \$50 million for Small, Remote, or Subsistence Harbors and Channels, which are sources of funding for maintenance dredging. However, the bill has not gone to the Senate floor. On the other side of the Capitol, the House Energy and Water Appropriations Bill, which was approved on the House floor on May 1<sup>st</sup>, includes \$700,000 for the IWW, \$42 million for Inland Waterways and \$42 million for Small, Remote or Subsistence Navigation.

With no more anticipated floor action on appropriations bills in the House, and the Administration threatening to veto appropriations bills passed by both the House and Senate, we expect the White House and Congress to take another crack at a budget agreement similar to the Bipartisan Budget Act of 2013, sponsored by Representative Paul Ryan (R-WI) and Senator Patty Murray (D-WA), which set spending levels for two years. Now that the Ryan-Murray deal has expired, and sequester caps have been reinstated, a new budget agreement is the likely path forward to alleviating White House and Democratic opposition to the Fiscal Year 2016 appropriations bills. With a new agreement in place, higher spending levels could be allowed for several federal programs that have been reduced or eliminated during congressional consideration of FY 2016 appropriations legislation.

#### **ASSESSMENT OF THE INTRACOASTAL WATERWAY**

As a follow up to our last report, Representative Lois Frankel (D-FL) and David Rouzer (R-NC) have agreed to send a letter to Secretary Darcy to request that the Army Corps of Engineers carry out the assessment of the Atlantic Intracoastal Waterway and Gulf Intracoastal Waterway that was authorized in the 2014 Water Resources Reform and Development Act (WRRDA). We are working to obtain support from other members of Congress that represent the AIWW and GIWW. At this point, the following members have agreed to sign on to the Frankel/Rouzer letter: Reps. John Mica (R-FL), Curt Clawson (R-FL), Walter Jones (R-NC), Tom Rice (R-SC), and Early Carter (R-GA). We will continue to keep you apprised of this effort.

#### **MAGNUSON STEVENS ACT REAUTHORIZATION AND COMPENSATORY MITIGATION LANGUAGE**

As you recall from our last report, Senator Bill Nelson's staff attempted to insert language into the Coast Guard Authorization bill that would not require mitigation for maintenance dredging. While they were unsuccessful on the Senate side, we have asked Representative Carlos Curbelo's (R-FL) office to submit similar language to the House Coast Guard Subcommittee staff, which they did. The Coast Guard Subcommittee is reviewing it, though the House Coast Guard authorization bill already passed the House and is ready to be conferenced with the Senate bill. Essentially, it is difficult, and generally not permissible, to add new legislative language on an issue not currently in a bill once the bill is prepped for conference because House rules prevent new items from being "air dropped" into bills at the last minute. Nevertheless, we will continue working with Curbelo's office on this effort and report back to you.