

ADDITIONAL AGENDA ITEM

FLORIDA INLAND NAVIGATION DISTRICT Board of Commissioners Meeting

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

**The Shores
2637 South Atlantic Ave.
Daytona Beach Shores (Volusia County), FL 32118-5643**

**Additional Agenda Item 17B. Agreement, Scope of Work and Fee Quote for the
Economic Update of Palm Beach County, FL.**

The Balmoral Group, the District's top-ranked firm for the Economic Analysis Update of the District Waterways, has provided a scope of work and fee quote for Palm Beach County. Also included is the general contract to engage this firm.

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

(Please see attached back up pages A2-A14)

RECOMMEND: Approval of an agreement with Balmoral Group, LLC, for the Economic Analysis Update of The Districts Waterways, and approval of the initial Work Order in the amount of \$104,828.00 for Palm Beach County, FL.

**Additional Agenda Item 17C. Bid Approval – Intracoastal Waterway Maintenance
Dredging Palm Beach Reach 1 Near the Jupiter Inlet.**

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

(Please see back up pages A15-A19)

RECOMMEND: Approval of the low bidder and up to \$800,000.00 to complete the District's portion of the joint FIND-JID maintenance dredging project near Jupiter Inlet, Palm Beach County, FL.

FLORIDA INLAND NAVIGATION DISTRICT ECONOMIC UPDATE AGREEMENT

This Economic Update Agreement ("Agreement") is made as of this ____ day of _____, 2016, by and between the FLORIDA INLAND NAVIGATION DISTRICT, an independent special taxing district of the State of Florida ("FIND") and THE BALMORAL GROUP, LLC, a Florida limited liability company ("CONTRACTOR").

IN CONSIDERATION of the sum of Ten Dollars (\$10.00), the mutual promises and benefits contained herein, and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged by the parties hereto, FIND and CONTRACTOR, intending to be legally bound, hereby agree as follows:

SECTION 1. Scope of Services.

The CONTRACTOR shall make its best efforts to perform and render (as an independent contractor and not as an agent, representative, or employee of FIND) the services described herein in a professional manner. These services shall be known as "consultant and professional services" and shall include the specific responsibilities relating to an "Economic Analysis Update of the District Waterways." This analysis will include the Atlantic Intracoastal Waterway and the Intracoastal Waterway from the Georgia-Florida state line to the southern boundary of Miami-Dade County, together with that portion of the Okeechobee Waterway located in Martin and Palm Beach Counties (collectively the "Waterways"). The CONTRACTOR shall, to the satisfaction of FIND, fully and timely perform all work items described in the "Scope of Work" attached hereto as Attachment A and made a part of this Agreement. CONTRACTOR shall provide economic analysis services as may be required by FIND, with all requests for services to be performed hereunder to be confirmed in writing using the Work Order form set forth as Attachment A-1 and made a part of this Agreement. The initial Work Order shall be for an economic analysis update for Palm Beach County. FIND, at its sole option, may issue one or more additional Work Orders for one or a combination of counties.

SECTION 2. Compensation.

For satisfactory performance of work referenced in Attachment A, FIND agrees to compensate the CONTRACTOR as follows:

1. Payment for services provided under the initial Work Order shall be made on a lump-sum, fixed price basis in the total amount of **One hundred and four thousand, eight hundred and twenty-eight** Dollars (\$ **104,828**). Payment shall be made on a monthly basis based upon the percentage completion of each task as outlined in the Work Order, upon submission of invoices certifying percentages of completion and requesting payment, and subject to the approval of FIND (pursuant to Section 9).
2. Payment for services provided under subsequent Work Orders and the schedule of completion shall be negotiated and agreed upon by the parties at the time the services are requested. Payment shall be made on a monthly basis based upon the

percentage completion of each task as outlined in the Work Order, upon submission of invoices certifying percentages of completion and requesting payment, and subject to the approval of FIND (pursuant to Section 9).

3. FIND shall not pay for any obligation or expenditure made by CONTRACTOR prior to the execution of the Work Order form by both parties.
4. When FIND requires additional services of the CONTRACTOR other than those listed in Attachment A, FIND shall pay for the additional services at the CONTRACTOR's standard hourly rate as shown in Attachment B unless otherwise agreed by the parties. These hourly rates may be adjusted from time to time by written approval of the parties. All such additional services shall be performed pursuant to an approved Work Order.

SECTION 3. Time of Performance.

The parties agree that time is of the essence in the performance of each and every obligation under this Agreement. The time periods for performance of obligations with respect to each Work Order shall be as set forth in said Work Order. The first Work Order shall be for Palm Beach County as a "pilot project" to fine tune the analyses to be performed by CONTRACTOR, prior to proceeding with analyses for the other District counties. It is anticipated that the other counties will be initiated through Work Orders in such manner that several adjoining counties are analyzed simultaneously under a single Work Order. The initial project, scope of work and all work orders under the Agreement shall be completed no later than four (4) years from the date of this Agreement. Upon the completion of all 12 District counties, it is anticipated that a final Work Order will be issued for an overall summary report.

SECTION 4. Project Managers and Notices.

The CONTRACTOR's project manager is **Valerie Seidel**, telephone **(407) 629-2185 extension 104**.

A. The FIND project manager is the Executive Director or his/her designee, telephone (561) 627-3386. FIND reserves the right to approve changes in project managers upon receipt of a written request; however, this approval will not require a contract amendment. All matters shall be coordinated with or directed to the project managers for proper disposition.

B. Any notice or other written communications between the CONTRACTOR and FIND shall be considered delivered when posted by certified mail or delivered in person to the respective project manager at the addresses indicated below:

The Balmoral Group, LLC
165 Lincoln Avenue
Winter Park, FL 32789

Florida Inland Navigation District
1314 Marcinski Road
Jupiter, Florida 33477
Attention: Executive Director

SECTION 5. Reports/Documents Required.

A. Reports

Deliverables will be submitted by the CONTRACTOR to FIND as stipulated in Attachment C.

B. Ownership of Documents.

All reports produced and other data gathered by the CONTRACTOR in performance of this Agreement shall not be marked proprietary and shall become the property of FIND upon payment of the sums provided for in each Work Order and shall be made available by the CONTRACTOR at any time upon request of FIND. CONTRACTOR shall not provide such reports or data to any other person or entity, or use such reports or data in the preparation of reports or studies for any other person or entity, without the prior written consent of FIND. The provisions of this Section 5.B. shall survive termination.

SECTION 6. Subcontracts.

A. The CONTRACTOR shall not subcontract, assign, or transfer any work under this Agreement without the prior written consent of FIND. When applicable, and upon receipt of such consent in writing, the CONTRACTOR shall cause the names of the firms responsible for such portions of the work to appear on such work.

B. The CONTRACTOR agrees to notify FIND of any proposed subcontract(s) no less than ten days prior to the proposed effective date of the subcontract for the purpose of approval by FIND. The CONTRACTOR agrees to provide FIND with an executed copy of all subcontracts within ten days after the execution date of the subcontract.

C. The CONTRACTOR agrees to be responsible for the fulfillment of all work elements included in the subcontracts and agrees to be responsible for the payment of all monies due under any subcontract and hold FIND harmless from any liabilities or damages arising under or from any subcontract hereunder.

D. The CONTRACTOR agrees to include the pertinent portions of SECTIONS 5 and 11 of this Agreement in all subcontracts payable from funds received from FIND pursuant to this Agreement in whole or in part.

SECTION 7. INTENTIONALLY OMITTED

SECTION 8. Responsibilities of FIND.

FIND shall:

- A. Provide guidance, assistance and coordination to the extent necessary and feasible;
- B. Furnish comments, suggestions or approvals as appropriate;

C. Provide review of each draft report and furnish comments within thirty (30) days of receipt of draft report.

SECTION 9 Decisions by FIND.

All services shall be performed by the CONTRACTOR to the satisfaction of the FIND Executive Director, who shall decide all questions, ambiguities, conflicts, and disputes of whatever nature which may arise under or by reason of the Agreement, the prosecution and fulfillment of the services hereunder and the character, quality, amount and value thereof. The Executive Director's decision upon all claims, questions and disputes shall be final, conclusive and binding upon the parties hereto, provided such decisions are reasonable and not contrary to the provisions of the Agreement.

SECTION 10. Termination of Agreement.

A. Termination for Convenience

This Agreement may be terminated at any time without cause for the convenience of FIND. FIND shall pay CONTRACTOR all compensation earned up to the date of termination based upon the percentage completion of each task as outlined in the Work Order, upon submission of invoices certifying percentages of completion and requesting payment,

B. Termination for Cause

If the CONTRACTOR shall fail to fulfill in a timely and proper manner its obligations under this Agreement, or if the CONTRACTOR shall violate any of the covenants, agreements, or stipulations of this Agreement, FIND shall thereupon have the right to terminate this Agreement by giving written notice to the CONTRACTOR of such termination and specifying the effective time/date thereof. In that event, all items or materials furnished by FIND and any finished or unfinished reports, notes, or data prepared by the CONTRACTOR shall immediately be delivered to a place designated by FIND, and the CONTRACTOR shall be entitled to receive just and equitable compensation for any satisfactory work or services completed, but in no event to exceed the total final fixed price(s) set forth in Section 2 with respect to any then-outstanding Work Orders.

Notwithstanding the above, the CONTRACTOR shall not be relieved of liability to the damages sustained by FIND by virtue of any breach of the Agreement by the CONTRACTOR and any compensation that may be due CONTRACTOR may be withheld for the purpose of setoff until such time as the exact amount of damage due FIND is determined. If damages sustained by FIND are less than the compensation due CONTRACTOR, the difference shall be paid to CONTRACTOR, otherwise FIND may apply such compensation as a setoff against the damages it has sustained due to CONTRACTOR's breach and CONTRACTOR shall pay the difference to FIND.

Notwithstanding any other provisions of this Agreement to the contrary, this Agreement is contingent upon allocation of funds under a final budget adopted through the TRIM process, s.

200.065, Florida Statutes. FIND shall not initiate any Work Order unless and until the final budget thus adopted provides for such allocation.

SECTION 11. Disclaimer of Liability.

A. The CONTRACTOR hereby agrees to indemnify, defend, save and hold harmless FIND, its Commissioners and employees from all claims, demands, liabilities, costs (including, without limitation, interest, penalties and reasonable attorneys' and legal assistants' fees at the trial, appellate and post-judgment levels) and suits of any nature whatsoever to the extent they arise out of, because of, or due to the negligent or wrongful act or omission by the CONTRACTOR, its agents, or employees.

Upon payment to CONTRACTOR for services performed hereunder, CONTRACTOR agrees to hold FIND harmless with respect to claims by third persons for payment for labor, materials, and equipment used by CONTRACTOR in connection with CONTRACTOR's performance of services pursuant hereunder.

B. Loss or damage due exclusively to the acts or omissions of an employee or employees of one of the parties shall be borne solely by the party whose employee(s) so caused such loss or damage. Loss or damages due to concurring acts or omissions of both parties, or the acts or omissions of a person or persons not a party to this Agreement, but for whose conduct both parties might be found to be concurrently liable, shall be borne by each of the parties as to its own employees and property in the percentages as it shall be legally determined that each contributed to the loss or damage.

C. CONTRACTOR, and any subcontractor engaged pursuant to SECTION 6 of this Agreement, shall carry commercial general liability coverage and automobile liability coverage with minimum limits of \$500,000.00 per person/\$1,000,000.00 in the aggregate, and statutory workers' compensation insurance. FIND shall be named as an Additional Insured on the commercial general and automobile liability policies and CONTRACTOR shall provide Certificates of Insurance upon demand.

SECTION 12. Interest of the CONTRACTOR

The CONTRACTOR covenants that it presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. The CONTRACTOR further covenants that in the performance of this Agreement, no person having any such interest shall be employed.

SECTION 13. Agreement as including Entire Agreement; Execution; Signatures.

This Agreement contains the entire agreement of the parties. There are no provisions, terms, conditions or obligations other than those contained herein; and this Agreement shall supersede all previous communication, representation or agreements, either verbal or written between the parties hereto. This Agreement shall not be modified unless in writing and signed

by both parties hereto. This Agreement may be executed in counterparts each of which shall be considered as an original, with a facsimile and/or e-mail signature serving as an original thereof and the parties may rely upon the signatures hereto whether in original, facsimile or e-mail copy.

SECTION 14. Litigation.

This Agreement shall be interpreted and construed pursuant to the laws of the State of Florida. In the event of any litigation arising hereunder, the prevailing party shall be entitled to reasonable costs including attorney's fees, at the trial, appellate and post-judgment levels. The venue of any such litigation shall be had only in the state or federal courts of Palm Beach County, Florida.

SECTION 15. Compliance With §287.113, F.S.

CONTRACTOR shall, simultaneously with the execution of this Agreement if it has not already done so, execute a public entity crime statement required by Section 287.133, F.S.

IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first above written.

THE BALMORAL GROUP, LLC

By: _____

Name: _____

Title: _____

FLORIDA INLAND NAVIGATION DISTRICT

By: _____

Name: _____

Title: _____

ATTACHMENT A

FLORIDA INLAND NAVIGATION DISTRICT

ECONOMIC ANALYSIS UPDATE OF THE DISTRICT WATERWAYS

SCOPE OF WORK

A. INTRODUCTION

The Atlantic Intracoastal Waterway and the Intracoastal Waterway from the Georgia-Florida state line to the southern boundary of Miami-Dade County, together with that portion of the Okeechobee Waterway located in Martin and Palm Beach Counties (collectively the "Waterways") within the District allow the existence of, and contribute to, the operation of waterway-dependent and waterway-related businesses. Some of the businesses that are related to the Waterways are obvious; these include such enterprises as charter boat services and marine repair facilities that are located on and are directly dependent on the Waterways. Other business operations that are related to the Waterways are less obvious but readily identifiable. These businesses include tackle shops and marine supply stores which are not located on the Waterways, but directly benefit from the Waterways by selling goods and services to businesses located on the Waterways. The reliance on the Waterways of other business activities are not obvious at all. These are the businesses that supply goods and services to the businesses that supply the firms located on the Waterways. In addition, economic activity is generated by businesses whose operations are not directly related to the Waterways, but are impacted through the sale of household goods and services (such as food, clothing, shelter, gas, etc.) to people who are employed by businesses operating on the Waterways or businesses servicing firms operating on the Waterways. All of these business activities are related to, or linked to, the operation of the Waterways and contribute to the local economy by generating business sales, employment, and personal income within the local economy.

The U.S. Army Corps of Engineers (USACE) has historically played a prominent role in the development and maintenance of the inland waterway system and the Waterways within the District are no exception. Waterway projects have been evaluated by the USACE to determine economic feasibility based on National Economic Development (NED) benefits, which are economic benefits to the Nation, primarily as a result of transportation cost savings. The NED analysis virtually ignores the importance of the Intracoastal Waterway project as an economic development engine for stimulating national and regional economic growth resulting from the development of the project. In other words, NED benefits ignore the importance of the impact of business activity generated by or linked to the Waterways.

Regional Economic Development (RED) benefits are above and beyond the net benefits accruing to the Nation. These can include transfer of income from other regions and secondary benefits that accrue to a region, such as business activity that is linked to the Waterways. These local or regional impacts include: enhanced regional economic development; employment and income from waterway operation and maintenance; the expansion of existing firms in the region; the entry of new firms into the region; induced and indirect impacts from expansion and entry of firms; increased tax revenue; and increases in property value (both residential and commercial) resulting from maintaining and operating the Waterways.

Maintaining navigation on the Waterways within the District will allow waterway-related businesses to continue to contribute to the local economy. This business activity results in additional spending by businesses serving the marine-related businesses within the District that experience the initial business sales, and by persons employed by these firms. In short, maintaining navigation on the Waterways will result in dollars being pumped into the District which will generate both short-term and long-term direct, indirect and induced economic benefits in the area; benefits which include increased business activity (sales), personal income, employment, and property values.

To generate support for waterway maintenance, the District should attempt to educate the public of the local economic benefits that result from the Waterways. Typically, this type of information is developed by using a model that measures the economic activity in a region resulting from an initial increase in business activity (sales). An Input-Output (I/O) Model can be used to estimate regional economic impacts, including primary and secondary local business activity, income, and employment. The model should produce estimates of annual impacts in terms of business activity, personal income, and employment generated by the Waterways project within each industry impacted by the Waterways.

To generate support for the District's mission, the District will require specific economic analyses on an "as needed basis". Typically, this type of information is developed to measure the economic activity generated by a specific District activity.

B. OBJECTIVE

The objective of this study effort is to identify, quantify and update the regional economic development impacts (including business activity, personal income, employment, and property values) generated within all of the District's 12-member counties (beginning with Palm Beach County), that result from maintaining navigation on the Waterways within the District. The reductions or increases to the current economic impact of the Waterways under two Waterway maintenance scenarios will also be quantified.

C. SCOPE

The contractor shall provide all work and materials necessary to estimate the regional economic development benefits accruing within each of the District's 12-member counties (beginning with Palm Beach County) as a result of maintaining navigation on the Waterways. As part of the work effort, the contractor will review existing studies of the Waterways; estimate the initial (direct) impact to marine-related businesses within the District; acquire and modify an I/O (or other suitable) model capable of simulating the economic activity of each county within the District; estimate the indirect and induced business activity, employment, personal income, and property values attributable to the Waterways; and estimate the impacts to the local economy of two Waterways maintenance scenarios. The findings of the analysis are to be documented in a draft and final report, an easy to read executive summary, and public information brochures.

D. PROJECT TASKS

Tasks 2 through 5 will be conducted similarly, but separately, for each county analyzed, beginning with Palm Beach County. The District will review and approve the Palm Beach County Report before proceeding with other counties.

1. Literature review:

The contractor shall conduct a literature review of available analysis of the economic impact of marine-related businesses on local economies in Florida.

2. Interview/survey commercial and recreational marine-related businesses and quantify their direct economic impact:

This task consists of attempting to interview/survey all marine-related businesses and recreational Waterway users within the District to determine the impact of the Waterways on their operations, interviewing recreational boaters and fishermen to determine the current recreational spending patterns attributable to the Waterways, and estimating the direct economic impact of the Waterways. The contractor will estimate the direct economic impact of the Waterways using the acquired samples of business and recreational boater interviews and available data, including, but not limited to, tax revenue data and County Business pattern data.

3. Estimate the current total economic impact of the Waterways in terms of business sales, income, and employment:

This task consists of acquiring and modifying an economic input/output model, to be approved by FIND, to simulate the local economy and estimating the total economic impact of the Waterways, using the direct impacts developed in Task 2 to estimate indirect and induced economic impacts. Total business sales, employment, earnings, and tax revenue attributable to the Waterways will be estimated for each county. The expenditures for dredging will be considered. The multipliers used to estimate economic impacts will be explained.

4. Identify and quantify the value of property within the District:

The purpose of this task is to estimate the value of property within the District and to estimate the influence of the Waterways on those values. The contractor shall collect, combine, store, analyze, and make summary reports of property value data, including both land and structure value, with consistent parameters of use, location, and proximity to specific Waterways. Data from the county property appraiser will be used. In general, an inventory of property values adjacent to, near to, and away from the Waterways will be used to establish the value of real property within the District and to determine the influence of the Waterways on those values. These properties will include residential and commercial properties. The contractor will determine if the Waterways influence the construction of more luxurious homes, determine the impact on property values of different Waterway maintenance scenarios, including 10-foot deep waterways and restricted waterways, and determine the value of marinas, including boat slips. The analysis should consider the impact of ocean inlets.

5. Quantify Changes in the Economy and Property Values Under Two Future Waterways Maintenance Scenarios:

The purpose of this task is to quantify the impacts to business sales, personal income, employment, and property values under two alternative Waterway maintenance scenarios:

- (a) A cessation of maintenance (at which point drafts on the Waterways will be limited to three feet), and
- (b) A higher state of maintenance (which would result from the full implementation of the District's Dredge Material Management Plan for the Intracoastal Waterway).

The contractor will estimate the initial change in business activity of marine-related firms due to changes in vessel draft restrictions and will estimate the total change in business activity (sales), employment, and personal income under the two Waterway maintenance scenarios. The contractor will estimate the change in land values resulting from changes in vessel draft restrictions as a result of the two Waterway maintenance scenarios. To determine the impact to commercial/industrial land values due to draft limitations, in addition to using the above mentioned methodology, changes in land values could be based on the expected decrease in business due to the draft restrictions.

ATTACHMENT A-1

ECONOMIC ANALYSIS WORK ORDER NO. 1

In accordance with our Agreement No. _____ dated _____, 20____, the Florida Inland Navigation District hereby directs services to be performed under the Agreement as follows:

CONTRACTOR: The Balmoral Group, LLC

DESCRIPTION OF WORK TO BE PERFORMED:

Economic Analysis Update for Palm Beach County, including survey, economic impact and property valuation analysis. The analysis will include a one-time literature review that will cover all 12 counties of FIND. In addition, the study will include analysis of CoreLogic Case-Schiller Housing Index scalars to generate efficiencies for in property valuation for later counties.

START DATE: 12/1/16

SCHEDULED COMPLETION DATE: 5/31/17

FIXED-PRICE WORK ORDER AMOUNT: \$ 104,828

APPROVALS:

District Project Manager

Date: _____

The Balmoral Group, LLC Project Manager

Date: _____

ATTACHMENT B

FLORIDA INLAND NAVIGATION DISTRICT ECONOMIC ANALYSIS UPDATE OF THE DISTRICT WATERWAYS STANDARD HOURLY RATES

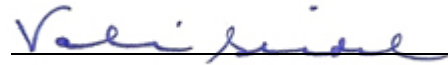
Position Category	Standard Hourly Rate
Principal	\$190.39
Consulting Economist	\$108.16
Sr. Economist	\$112.93
Data Scientist	\$93.46
GIS Specialist	\$76.50
Analyst	\$59.98
Graphic Artist	\$60.77

This is to certify that the standard hourly rates are inclusive of normal travel and other expenses. Should out-of-pocket travel costs exceed annual averages, The Balmoral Group will request reimbursement of costs prior to incurring excessive costs.

The Balmoral Group does not charge a mark-up on subconsultant expenses.

Valerie Seidel, President
The Balmoral Group

11/18/2016
Date


Signature

ATTACHMENT C

FLORIDA INLAND NAVIGATION DISTRICT ECONOMIC ANALYSIS UPDATE OF THE DISTRICT WATERWAYS PROJECT DELIVERABLES

Upon completion of the analysis of each County as well as at the end of the overall project, the following deliverables will be produced and submitted to the District:

1. Draft Report:

The findings of the entire analysis will be documented in a draft report to be presented to the District. The report will include a detailed description of the methodology used and a discussion of the findings of each task completed during the analysis.

2. Final Report.

Comments received from the District on the draft report will be addressed and incorporated into a final report detailing the findings of the analysis. Two (2) copies (one hard copy, one electronic copy) of each summary will be submitted to the District.

3. Final Report Presentation:

The findings of the analysis will be presented to the District in a formal presentation.

4. Executive Summary Report:

An Executive Summary of the analysis (six to eight pages in length) will be produced describing the procedures and findings of the analysis in laymen's terms. The Executive Summary will include a one to two-page description of the methodology used in the analysis, a color cover, and color charts and graphs that can be copied in black and white. Two (2) copies (one hard copy, one electronic copy) of the summary will be submitted to the District.

5. Public Information Release:

Thirteen (13) 1-page, double-sided information summary sheets and thirteen (13) tri-fold brochures shall be created for distribution to the public. The summaries shall include one for each of the District's twelve (12) counties, plus one District-wide executive summary. Two (2) copies (one hard copy, one electronic copy) of each summary will be submitted to the District.

6. Additional Economic Analysis (As Needed):

A process for providing additional economic analysis of specific projects in the regions which they serve will be developed. The intended goals are to engage and inform the public on the benefits of specific projects, as available.



December 14, 2016

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

RE: Receipt of Bids
Jupiter Inlet Sand Trap and Intracoastal Waterway in the vicinity of Jupiter Inlet
Maintenance Dredging and Beach Placement
Palm Beach County, Florida

Mr. Crosley:

As you know, at the October 2016 FIND Board Meeting, the Board approved an Interlocal agreement with the Jupiter Inlet District (JID) to share costs associated with maintenance dredging near Jupiter Inlet. Taylor Engineering assisted in the advertisement of this project and bids were received on December 7, 2016. A listing of the bidders and associated bid prices is included as Attachment 1 for your information.

The low bidder was Cavache, Inc. at a bid price of \$1,201,844. Taylor reviewed the bid package per the bidding requirements listed in the project specifications and the bid package appears complete and qualified. It was also reviewed by JID. A breakdown of the bid is included as Attachment 2.

In accordance with the referenced interlocal agreement, the FIND share of the project costs would be approximately 60% of the bid price or \$721,106.40. This is based on an estimated quantity of 125,000 cubic yards. The exact cost will be determined by actual quantities dredged.

It is requested that the FIND Board approve the bid for award.

We appreciate this opportunity to serve the FIND. Please contact me if you have questions or comments.

Sincerely,

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

ATTACHMENT 1**JUPITER INLET DISTRICT**

400 N. Delaware Blvd

Jupiter, FL 33458

MEETING MINUTES

2017 SAND TRAP AND ICWW MAINTENANCE DREDGING PROJECT

DECEMBER 7, 2016

A public meeting was held pursuant to Florida Statutes Section 255.0518 on December 7, 2016, 2:00 P.M. to open bid packages for the 2017 Sand Trap and ICWW Maintenance Dredging Project. Yehya Siddiqui (Taylor Engineering), called the meeting to order at 2:00 P.M.. Those in attendance were Michael Grella, Executive Director Jupiter Inlet District (JID), Michelle Wallace, Administrative Assistant JID, Anthony Cavo, Cavache Inc, James Fowler, Manson Construction Co., representatives from Ferreira Construction Co..

Mr. Siddiqui verified that bid packages were received in accordance with the Instructions to Bidders.

Mr. Siddiqui then opened the bid packages and read aloud the names of the bid companies and their respective bids as follows:

NAME OF BID COMPANY

Cavache, Inc. \$1,201,844.00

Manson Construction Co. \$1,475,000.00

Ferreira Construction Co. \$1,771,400.00

Vortex Marine \$1,930,500.00

There being no other business, Mr. Siddiqui adjourned the meeting at 2:10 P.M..

William C. Aley P.G.

Project Manager, Taylor Engineering

ATTACHMENT 2

Jupiter Sand Trap & ICWW Dredging Project – 2017

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Item No.	Item Description	Units	Quantity	Unit Cost	Cost
1	Mobilization and Demobilization	LS	1	291,627	291,627.00
2	Hydraulic Dredging (Maintenance dredging of sand trap, transport and placement of beach fill)	CY	125,000 TOTAL ¹ (75,000 ICWW, 50,000 TRAP)	7.00	875,000.00
3	Environmental protection, surveys, record drawings, beach tilling	LS	1	35,217.00	35,217.00

Total Bid (Items 1 through 3) \$ 1,201,844.00

The total of Items 1, 2, & 3 in words is:

One million, two hundred and one, eight hundred and forty four dollars and Zero cents.

Date Available to begin dredging: February 1, 2017.

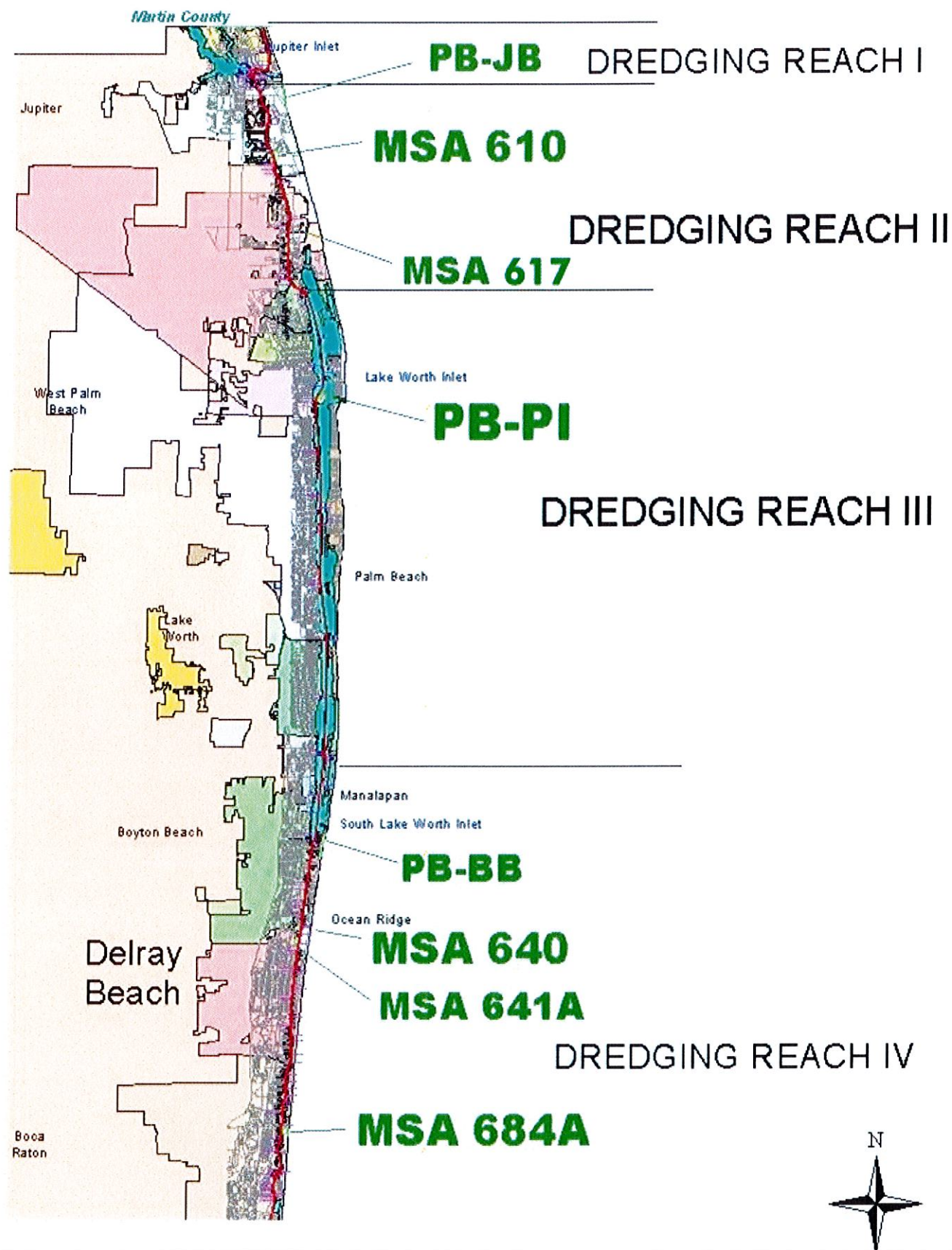
Notes: (1) ICWW estimated quantity based on a September 29, 2016 bathymetric survey and anticipated shoaling. Sand Trap estimated quantity based on October 3, 2016 bathymetric survey and anticipated shoaling. This estimate serves for planning and bidding purposes only. The actual Contract Price will be adjusted upwards or downward according to the actual quantity dredged.

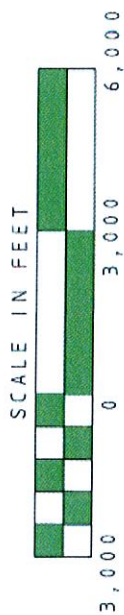
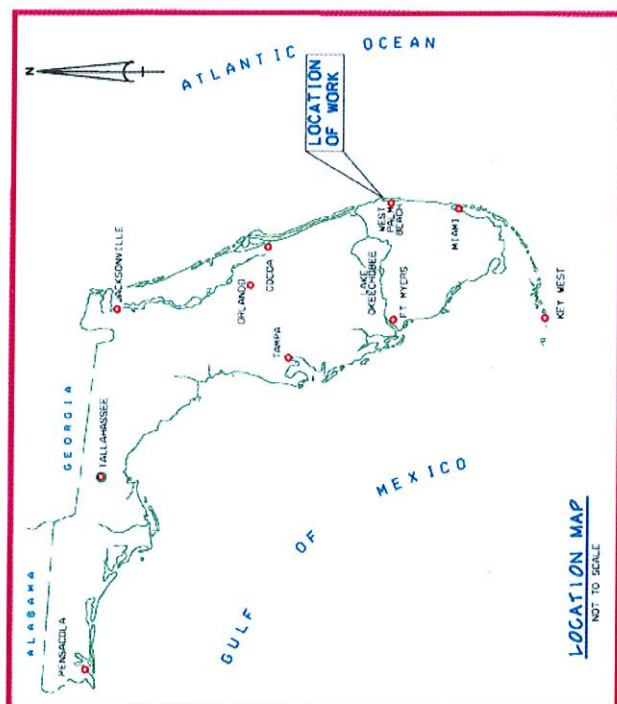
Historically dredged volumes from the Sand Trap:

Year	Volume (cy)
2016	61,699
2015	45,333
2014	38,284
2013	76,272
2012	30,800
2011	39,445
2010	43,000
2009	64,721
2008	87,837
2006	65,670
2004	60,000
2002	44,000
2001	82,900
2000	56,200
1998	85,000
Average (per event)	58,744

00410-4

PALM BEACH COUNTY ICW DREDGING REACHES AND DREDGED MATERIAL MANAGEMENT AREAS





U.S. Army Corps of Engineers
Jacksonville District, Jacksonville, Florida

WATER QUALITY CERTIFICATION APPLICATION
FOR MAINTENANCE DREDGING OF
THE INTRACOASTAL WATERWAY IN THE
VICINITY OF JUPITER INLET
WITH BEACH PLACEMENT

PROJECT LOCATION & LIMITS OF WORK

PREPARED BY: LEF REVIEWED BY: DMB

