BOARD OF COMMISSIONERS MEETING AGENDA September 15, 2012

## PRELIMINARY AGENDA

# FLORIDA INLAND NAVIGATION DISTRICT Board of Commissioners Meeting

9:00 a.m., Saturday, September 15, 2012

## Doubletree Hotel 4431 PGA Boulevard Palm Beach Gardens, Palm Beach County, Florida.

Item 1.	Call to Order.
Chairman Col	ee will call the meeting to order.
Item 2.	Pledge of Allegiance.
Chairman Col	ee will lead the pledge of allegiance to the United States of America.
Item 3.	Roll Call.
	v will call the roll.
Item 4.	Consent Agenda
from this agen	genda items are presented for approval. Commissioners may remove any items da that they have questions on or would like the Committee to discuss in depth. Loved would then be included in the regular agenda in an order assigned by the
(Consent Ager	nda follows colored divider sheet)
	D Approval of the Consent Agenda.
Item 5.	Additions or Deletions.
Commissioner would like the	s or deletions to the meeting agenda will be announced. Additionally s may remove any items from Committee agendas that they have questions on o e Board to discuss in depth. Any items removed would then be included in the in an order assigned by the Chair.

RECOMMEND Approval of a final agenda.

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Item 6.	Board	Meeting	Minutes.

The minutes of the following meeting is presented for approval.

- August 15, 2012 Personnel Comm. Meeting (see back up pages 6 11)
- August 15, 2012 Finance & Budget Comm. Meeting (see back up pages 12 14)
- August 15, 2012 Board Meeting (see back up pages 15 36)
- August 15, 2012 Land Acq. & Mgmt. Comm. Meeting (see back up pages 37 42)

RECOMMEND Approval of the minutes as presented.			
Item 7. Public Comment.  The public is invited to provide comments on issues that are not on today's agenda.			
Item 8. Staff Report on Palm Beach County Area Projects.			
Staff will present a report on Palm Beach County area projects by the District.			
(see back up pages $43 - 62$ )			
Item 9. Water Taxi Dock Presentation, Palm Beach County.			
Angela Morlock of the Palm Beach County Metropolitan Transportation Authority will make a presentation about the Authority's implementation of the water taxi element of the Palm Beach County Intracoastal Waterway Master Plan.			
(see back up pages 63 – 89)			

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## Item 10. Dania Cutoff Canal Deepening Update and Construction Administration Addendum Request, Broward County.

Staff will provide an update on this project. Additionally, the District Engineer has requested an addendum to the Construction Administration Work Order for the Dania Cutoff Canal Deepening Project. The Project is about 30% complete but has faced numerous issues.

(see back up pages 101 - 112)

RECOMMEND

Approval of Work Order Amendment No. 4 in an amount not to exceed \$187,805.00 for Construction Administration of the Dania Cutoff Canal Deepening.

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#### **Item 11.** Information Technology Upgrades and Replacements.

The District's network server has reached its life span and is functioning poorly. Staff reviewed several avenues to replace and upgrade the system and obtained quotes. Staff recommends replacing the existing server with a new HP server with remote access capability and removable hard drive back up storage. Quotes are still being received and will be presented at the meeting.

RECOMMEND Approval of a replacement of the District's network server.

## **Item 12.** Executive Director's Delegation of Authority.

The Executive Director's Delegation of Authority is reviewed for updating each year during the budget process. There no recommended changes to the Delegation.

(see back up pages 90 - 93)

RECOMMEND Approval of Resolution No. 2010-02 Delegating certain Authorities to the Executive Director.

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Meeting Agenda September 15, 2012 Page Four.

## **Item 13.** Personnel Committee Report.

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

(see Personnel Committee Agenda Package)

RECOMMEND

Approval of the recommendations of the District's Personnel

Committee.

## **Item 14.** 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 their agenda.

(see Finance and Budget Committee Agenda Package)

RECOMMEND

<u>Approval of the recommendations of the District's Finance and Budget</u> Committee.

## Item 15 (Time Certain at 11:00 a.m.)

FIND vs. Dredge Enterprise Attorney Client Session, St. Johns County.

The District's legal counsel has requested an attorney client privilege session to discuss litigation and settlement strategy in our lawsuit against Dredge Enterprise. Pursuant to Florida law only the Commissioners, Executive Director and legal counsel can participate in the session.

(see back up pages 95 - 100)

## Item 16. Washington DC. Report.

The District's Washington DC Government Relations firm has submitted a status report on their activities on the District's federal issues.

(see back up page 94)

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<u>Item 17.</u>	Additional Staff Comments and Additional Agenda Items.  A. DMMA IR-2 Payment Update.  B. Waterway Trip Update.
<u>Item 18.</u>	Additional Commissioners Comments.
<u>Item 19.</u>	Adjournment.

#### MINUTES OF THE

#### FLORIDA INLAND NAVIGATION DISTRICT

#### **Personnel Committee Meeting**

8:19 a.m., Saturday, August 18, 2012

#### The City of Sebastian Commission Chambers

#### 1225 Main Street

#### Sebastian, Indian River County, Florida

#### ITEM 1. Call to Order.

Chair Netts called the meeting to order at 8:19 a.m.

#### ITEM 2. Roll Call.

Assistant Executive Director Mark Crosley called the roll and Chair Netts, Commissioner Bray, Commissioner Cuozzo, and Commissioner Freeman were present.

Mr. Crosley stated that there was a quorum.

#### ITEM 3. Assistant Executive Director Candidate Review.

Chair Netts stated that one candidate has withdrawn, leaving six candidates who have each received at least two votes from this Committee.

Chair Netts referred to a memorandum from the District's labor attorney outlining a suggested protocol for the interview selection process. He stated that there are two suggestions: Interview each candidate independently and then the Committee would meet to discuss the findings or; have the full Committee interview each candidate so that each Committee member can hear all the questions and the candidates answers. He stated that the attorney recommends the second option and that is fine with him. He stated that additionally, the attorney has requested that all proposed interview questions be submitted

to him for approval. He stated that the attorney also has suggested that Commissioners do not individually perform any background or social media checks of the individual candidates. He stated that these suggestions are to insure that the District follows the law regarding this process.

Commissioner Cuozzo stated that he likes the second interview option. He noted that he wants to make sure that the Committee has ample time to complete these interviews and stated that interviewing six people could take a long time. He suggested that the Committee complete these interviews the day before the District's Board meeting.

Mr. Crosley stated that the District's First Tax Hearing will be held at 5:30 a.m. the day before the September Board meeting and we could complete the interviews that afternoon. He noted that the potential candidates could attend the District's Community outreach event. He also stated that we could complete the interviews the morning of the Board meeting. Commissioner Cuozzo stated that there would not be enough time to properly interview six candidates the morning before a Board meeting.

Commissioner Bray suggested that the Committee interview the candidates on Friday, September 14<sup>th</sup> around 2:00 p.m.

Mr. Crosley noted that this would be a public meeting and all Commissioners could attend the meeting.

Commissioner Bray made a motion to approve the top six candidates, who have each received two or more votes from the Committee members, for interviews on Friday, September 14<sup>th</sup> at 2:00 p.m. There was no second to the motion.

Commissioner Sansom asked if the final candidate would be recommended to the full Board for consideration. Chair Netts answered yes and noted that all Commissioners can attend the interview meeting, but the Personnel Committee would discuss and determine a recommendation to the Board.

Commissioner Colee stated that he is comfortable with the process of interviewing all six of the applicants receiving two or more votes by the Committee. He stated that it is possible that the Personnel Committee will come up with a single candidate and it is also possible that they may agree on several candidates. He stated that we should advise the candidates that they may want to plan on staying over for Saturday's Board meeting.

Mr. Roach noted that the candidates should be placed in a ranking order in the event that during negotiations something does not work out.

Commissioner Colee agreed with staff and stated that to avoid going through this entire process again, if there were a ranking order, the District would have the opportunity to enter into negotiations with the next candidate.

Chair Netts stated that on Friday, at the conclusion of interviews, each Committee member should rank each candidate. He stated that those rankings would then be tabulated and presented to the Board.

Commissioner Bray made a motion to: approve the top six candidates, who have each received two or more votes from the Committee members, for interviews on Friday, September 14<sup>th</sup> at 2:00 p.m.; for the Committee to rank the candidates from one to six, and; then upon Committee recommendation select a candidate or re-interview the top two

candidates. The motion was seconded by Commissioner Cuozzo. Chair Netts asked for any further discussion, hearing none, a vote was taken and the motion passed.

#### **ITEM 4.** Additional Agenda Items or Staff Comments.

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

Mr. Roach stated that the District office was originally designed for three staff members but that we now have a staff of six and soon seven. He stated that he is suggesting that he work from home several days a week and allow Mr. Crosley and the new staff member to develop their relationship with the District staff. He stated that additionally, he is suggesting that he move into the conference room, Mr. Crosley move into his office and the new staff member move to Mr. Crosley's former office.

Mr. Roach stated that he also would like the Committee to think about the new staff member's title. He stated that he is suggesting that Mr. Crosley become the Executive Director and the new hire become the Assistant Executive Director.

Chair Netts stated that we have been considering a transitional plan and he feels that this is a good plan. Commissioner Freeman agreed. Commissioner Cuozzo stated that he does not have a problem with this suggestion.

Commissioner Cuozzo stated that when we are interviewing the position candidates we should keep in mind that in ten to twelve years we would like to have this type of transition.

Commissioner Sansom stated that we are not ready for Mr. Roach to work out of the office nor do we need a consultant for a year. He stated that he sees value with Mr. Roach being in the office and working to train the new assistant and Mr. Crosley. He

stated that he does not feel that Mr. Crosley is fully ready to take over and that perhaps Mr. Roach should work out of the office for at least another six more months and then perhaps he could work from home.

Commissioner Sansom stated that he feels that the new staff member should work out of the conference room and learn that we are a small office and have to work together under unusual circumstances.

Commissioner Colee stated that during the initial discussion of the transition phase, Mr. Roach used the terms Executive Director and Assistant Director in training as the thought process behind the long transition period. He stated that this new proposal makes him less comfortable than he was before with Mr. Roach being out of the office a full year. He stated that he would be supportive of a division of the time, six months in the office training and six months in and out of the office consulting. He stated that we are trying to select the best candidate for the position, but sometimes things just do not work out. He stated that we need this in-house training process for a period of time for both the new employee and Mr. Crosley.

Chair Netts suggested that at the next meeting staff bring a proposal for the Board to review.

Commissioner Colee stated that staff has discussed Cloud computing as a way to conduct the agency's business via the internet. He stated that this is an issue that the Board should discuss.

Commissioner Bray suggested that staff bring all the issues for review so that as we uncover one rock, we do not cover up another one.

Mr. Crosley stated that April 1<sup>st</sup> is the grant deadline. He stated that the amount of paperwork that must be organized cannot be done in the conference room. He stated that he would like to suggest that the new assistant be in an office that is set up where the paperwork can be properly reviewed and organized.

#### **ITEM 5.** Additional Commissioners Comments.

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

## ITEM 6. Adjournment.

Chair Netts stated that hearing no further business the meeting was adjourned at 8:45 a.m.

#### MINUTES OF THE

#### FLORIDA INLAND NAVIGATION DISTRICT

Finance and Budget Committee Meeting

8:45 a.m., Saturday, August 18, 2012

The City of Sebastian Commission Chambers

#### 1225 Main Street

Sebastian, Indian River County, Florida

#### ITEM 1. Call to Order.

Chair Chappell called the meeting to order at 8:45 a.m.

#### ITEM 2. Roll Call.

Assistant Executive Director Mark Crosley called the roll and Chair Chappell, Commissioner Bowman, Commissioner Freeman, Commissioner Kavanagh, and Commissioner Sansom were present. Mr. Crosley stated that a quorum was present.

#### ITEM 3. Financial Statements for June of 2012.

Chair Chappell presented the District's financial statements for June of 2012 and asked for any questions. There were none.

Commissioner Sansom made a motion to approve a recommendation to the full Board of the financial statements for June of 2012. The motion was seconded by Commissioner Freeman. Chair Chappell asked for any additional discussion, hearing none a vote was taken and the motion passed.

## <u>ITEM 4.</u> June 2012 Expenditure and Project Status Reports.

Chair Chappell presented the Expenditure and Project Status Report for June 2012 and asked if there were any questions. There were none.

## ITEM 5. Delegation of Authority Report.

Chair Chappell referred to the Executive Director's Delegation of Authority actions and stated that four actions were taken from, July 9, 2012 through August 6, 2012 and he asked for questions. There were none.

## <u>ITEM 6.</u> Executive Director's Delegation of Authority.

Mr. Roach stated that the Executive Director's Delegation of Authority is reviewed each year during the budget process.

Mr. Roach stated that staff would like to make changes to the Delegation to add dredging projects to Financial Issues Number 2 as well as to make staff title changes for the transition period.

Chair Chappell asked if there were any comments or questions.

Commissioner Sansom stated that the authority looks okay as is and suggested that we make no changes to the staff titles.

#### **ITEM 7.** Tax Millage History.

Mr. Roach presented a tax millage history for the Board's review and asked for discussion.

Commissioner Sansom noted that our current millage rate is the lowest rate since 1987.

Commissioner Blow stated that this tax history is a valuable tool and perhaps the District should put it on our web site and the information should include that the legislature allows the District a tax millage of up to .1 mills.

Commissioner Bowman noted that in the last six years the District's revenue has decreased \$8 million and he asked how the District has adjusted and survived that loss of income. Mr. Roach stated that we have adjusted our capital programs. He stated that 98% of our budget is capital improvement projects and 2% is administrative overhead. He also stated that our grant budget has been reduced because our partners have less money as well, our own capital improvement projects have slowed down because of the permitting and authorization process, and the District has concluded our land acquisition program which was approximately \$7 million per year.

Commissioner Sansom asked if we could develop a chart showing what the District's federal contributions were as far back as they took place.

#### ITEM 8. Additional Agenda Items or Staff Comments.

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

There were none.

#### ITEM 9. Additional Commissioners Comments.

Chair Chappell asked if there were any additional Commissioner comments.

There were none.

#### ITEM 10. Adjournment.

Chair Chappell stated that hearing no further business the meeting was adjourned at 9:01 a.m.

#### MINUTES OF THE

#### FLORIDA INLAND NAVIGATION DISTRICT

#### **Board of Commissioners Board Meeting**

9:05 a.m., Saturday, August 18, 2012

#### The City of Sebastian Commission Chambers

#### 1225 Main Street

#### Sebastian, Indian River County, Florida

#### ITEM 1. Call to Order.

Chair Colee called the meeting to order at 9:05 a.m.

Chair Colee noted that if anyone would like to speak about an item that is not on today's agenda to please complete and turn in a speaker card.

#### ITEM 2. Pledge of Allegiance.

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

#### ITEM 3. Roll Call.

Secretary Blow called the roll and Chair Colee, Vice-Chair Kavanagh, Treasurer Chappell, Commissioner Barkett, Commissioner Bowman, Commissioner Bray, Commissioner Cuozzo, Commissioner Freeman, Commissioner Netts, and Commissioner Sansom were present. Secretary Blow stated that a quorum was present.

#### ITEM 4. Consent Agenda

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

Commissioner Bray made a motion to approve the Consent Agenda as presented.

The motion was seconded by Secretary Blow. Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

#### ITEM 5. Additions or Deletions.

Mr. Roach stated that he would like to add to the agenda: Item, 16A. Dredging in the Vicinity of Ponce de Leon Inlet. He also distributed additional information for Item 10, Indian River County Dredging Reach I Sediment Sampling Plan.

Commissioner Barkett made a motion to approve the final agenda as amended.

The motion was seconded by Commissioner Netts. Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

#### **ITEM 6.** Board Meeting Minutes.

Chair Colee asked if there were any comments or questions regarding the Board meeting minutes.

Chair Colee referred to page 10 of the Finance and Budget Committee Meeting Minutes and stated that the District's millage rate should read 0.0345.

Commissioner Netts made a motion to approve the July 20, 2012 Finance and Budget Committee and Board Meeting minutes as amended. The motion was seconded by Commissioner Sansom. Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

#### ITEM 7. Public Comments.

Chair Colee asked if there were any public comments on issues that are not on today's agenda. He noted that these comments should be kept to three minutes or less.

Mr. Camien Gilliams stated that he owns multiple properties in Sebastian and he feels that the District's DMMA IR-2 site is lowering his property values. He thanked the Board for making themselves available to the community. He noted that none of the local government officials attended this meeting and that he was disappointed that they were not there to discuss the resident's concerns. He stated that he also thanks the Press Journal for their investigative report on FIND. He stated that he is not happy about the possibility of placing toxic material in his back yard and he wants further testing of the material.

Mr. Steven Smith stated that he provided shell rock for the roads at the DMMA IR-2 project and the contractor has not paid him for that material. He stated that he has called the contractor and completed all the legal paths that he can to collect this money. He stated that he is a small local business and this is really hurting him. He stated that he is asking for the District's help to collect the \$52,000.00 that is owed to him for this material. Chair Colee asked Mr. Smith to be available at the end of the meeting during staff comments.

Mr. Gary Kaczenski stated that it was recently discovered that the seagrass in the Indian River Lagoon at the 17<sup>th</sup> Avenue Bridge in Vero Beach has vanished. He stated that he has spoken with the St. Johns River Water Management District and Dr. Grant Gilmore, a leading authority on seagrass and fisheries in the Indian River Lagoon and both agencies agree that this is a serious environmental problem. He stated that we are asking that all governmental agencies work together to solve this problem and protect this important resource. He stated that stormwater intrusion is a major factor in the health of our waterways and that our goal is to improve the stormwater system and save our

estuary. He would like to request that FIND convert DMMA IR-2 to a joint use facility that could be used as a stormwater facility. H stated that he would also like to request that another section of the property be developed into a public park.

Mr. Frank Marshall stated that he is very pleased that the District staff worked to provide an acceptable agreement for the material testing and sampling procedures of dredged material from future dredging projects. He stated that he would like FIND to consider allowing the use of DMMA IR-2 for stormwater management as well as a public park. He stated that the loss of seagrass and fish is a serious environmental and economic problem to this area and he is asking for the District's help.

Mrs. Flo Kaczenski stated that it is two years later and the public still has concerns about the District's plans to dredge the waterway because she does not feel that this area of the waterway needs to be dredged. She stated that she is requesting that the District consider allowing the use of DMMA IR-2 for dual use as a stormwater management area and a public park. She stated that the District purchased and built the DMMA IR-2 site with tax dollars and now they need to show that they really care and allow this dual use of the site.

Ms. Pat Ryan stated that she favors the use of DMMA IR-2 for dual use as a stormwater facility as long as there is no contaminated material in the site. She stated that she is also concerned about how long it is taking for the toxicity samples to be taken.

Mr. Aaron Bowles stated that he works for a local engineering firm that was approached by Mr. Kaczenski about looking into the potential use of the District's site for stormwater management. He stated that he has briefly reviewed this proposal and is proposing to tie into the District's site at the north end for stormwater management. He

stated that he has not had the time to properly look into this issue but would like to obtain additional information about this potential use. He stated that he is available to continue the evaluation of this use with FIND.

Mr. Fred Messing stated that he first came to this area in 1955. He stated that he has been a boater all his life and he supports the District's work to keep the waterway dredged and channel open. He stated that keeping the waterway dredged is a good idea and contributes to the local economy in many ways. He stated that the District has never performed a dredging project that destroyed the environment.

Ms. Katherine Weigel stated that she agrees with Mr. Messing and supports the District's work. She stated that in 1995 the District performed their due diligence, they worked with a 15 person citizen committee, held five public meetings, evaluated 22 sites, and worked with the local government to complete site selection in July 1997. She stated that the benefit to the local economy from maintaining the waterway is well documented. She stated that FIND's primary mission is to keep the waterway open by providing dredged material management sites for dredged material. She stated that she commends the District for continuing its work and providing waterway education to the local community.

## ITEM 8. Staff Report on Indian River County Area Projects.

Mr. Roach stated that Phase I of the Dredged Material Management Plan for the Intracoastal Waterway in Indian River County was started in 1995 and was completed in 1997. He stated that Phase II of the DMMP was completed in 2002 and all major land acquisition was also completed in 2002.

Mr. Roach stated that the 50 year dredging projection for the 24 miles of channel in Indian River County is 318,324 cubic yards and the storage projection is 607,500 cubic yards of material.

Mr. Roach stated that dredging of Reach I is currently planned for late 2013 or early 2014 now that the Dredged Material Management Area DMMA IR-2 has been constructed.

Mr. Roach stated that three upland sites were purchased for Indian River County dredged material management. He stated that DMMA IR-7 and IR-14 have recently been cleared, fenced, and have had monitoring wells installed.

Mr. Roach stated that the Indian River County Waterways Economic Study was completed in 2000 and updated in late 2011. He stated that 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. He stated that there are approximately 10,974 registered vessels in the county.

Mr. Roach stated that since 1986, the District has provided \$4.2 million in Waterways Assistance Program funding to 52 projects in the County having a total constructed value of \$17.3 million.

Mr. Roach stated that 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 \$21.1 million worth of constructed projects. He stated that one of the notable projects was the Sebastian River Muck Removal project where the District worked with the St. Johns River Water Management District to remove

approximately 2 million cubic yards of muck from that river to improve navigation and the environment. He stated that the District prints a number of public information brochures that are provided to the community free of charge. He noted that some of these brochures are on the table at the back of this room.

Mr. Roach stated that the District has partnered with the Keep Indian River Beautiful for eight years and the Marine Industry Association of the Treasure Coast for two years on waterway cleanup projects in Indian River County.

Commissioner Barkett stated that at last evening's Community Outreach Event, Mr. O'Conner, the Vero Beach City Manager, advised him that the contract for the MacWilliam Boat Ramp project has been awarded.

## ITEM 9. Keep Indian River Beautiful Waterway Cleanup Request, Indian River County.

Mr. Crosley stated that Keep Indian River Beautiful has submitted a Waterway Cleanup Project request for their annual waterway cleanup project. He stated that the District has funded this cleanup for eight years. He stated that this waterway cleanup will occur as part of the 26<sup>th</sup> Annual Ocean Conservancy's International Coastal Cleanup and will also celebrate the 10<sup>th</sup> year of the organization's Monofilament Recovery and Recycling Program.

Commissioner Barkett made a motion to approve the request from Keep Indian River Beautiful for \$5,000.00 in assistance funding for their 2012 Waterway Cleanup. The motion was seconded by Secretary Blow. Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

#### ITEM 10. Indian River County Dredging Reach I Sediment Sampling Plan.

Mr. Roach stated that the Concerned Taxpayers of Indian River County requested that the sediments to be dredged from Reach I of the Intracoastal Waterway in Indian River County be sampled to determine if there are any contaminants in the sediment at a level that would pose problems to adjacent land owners and residents if placed in DMMA IR-2. He stated that the Board selected the geotechnical firm of American Vibracore Systems (AVS) to be our contractor for this work. He stated that staff worked with AVS to devise three sediment sampling plans which only differed in the intensity of the core samples.

Mr. Roach stated that this plan was coordinated with several interested parties including the Concerned Taxpayers as well as Indian River County. He stated that a representative of the Concerned Taxpayers recommended that 14 sub-samples of seven of the cores, at -14 feet and 1/3 up from the bottom of the core, be analyzed in addition to the composite sample from each core as proposed in our plan. He stated that the Concerned Taxpayers had four other scientists review our plan and their proposed change and stated that no other feedback on the plan was received.

Mr. Roach stated that staff recommends that the sediment sampling plan of 13 vibracore samples and composite analyses be approved along with the sub-sampling analysis of two layers in seven of the core samples. He stated that the core borings will be taken down to -15 feet, which is one foot deeper than the depth of the District's dredging. He stated that composite sampling is always done with a dredging project because the dredging process mixes the sediment. He stated that it was requested that the District sample a little deeper to capture the entire vertical dimension of the muck layer.

He stated that he reviewed the as built of the Intracoastal back in 1958 and that dredging did go down as deep as 15 feet. He stated that the current sampling plan will take the core down to 15 feet and should capture any shoaling that has occurred since 1958. He stated that the citizens have asked that the coring be photo documented. He stated that the final cost from our contractor for this sampling effort is \$76,350.00.

Commissioner Netts made a motion to approve the scope of services and fee quote from AVS to take 13 vibracores from Indian River County Dredging Reach I and analyze 13 composite samples and 14 sub-samples from the cores. The motion was seconded by Vice-Chair Kavanagh. Chair Colee asked for discussion.

Secretary Blow asked about the District's budget for this item. Mr. Roach stated that the District has a general dredging line item and we also have funding in the Indian River Reach I Dredging line item in our budget.

Commissioner Freeman asked how long this vibracore sampling process will take.

Mr. Roach stated that the contractor will take 10 days to mobilize after this item is approved and we should have the results within 60 days.

Treasurer Chappell questioned when this material was last tested. Mr. Roach stated that limited testing was completed in 1997. Treasurer Chappell asked about the results. Mr. Roach stated that the results were pretty clean, but that there was one spike of mercury. He noted that this spike was well below the Department of Environmental Protection's soil contamination standard.

Commissioner Barkett asked if there is any industry or reason to believe that contaminants are leaching into this waterway. Mr. Roach stated that staff is not aware of

anything and no one has identified a point source, so we are not expecting to find high levels of soil contamination.

Commissioner Bowman noted that we are performing these additional tests at the request of the community and asked if the community requested anything that the District is not doing. Mr. Roach stated that the community requested that the District identify the depth of the muck and we explained that would be difficult to do in the sample collection process that is related to a dredging project. He noted that by permit, we are not allowed to dredge any deeper than 14 feet, so taking samples down to 16 feet or deeper to find the bottom layer of muck does not apply to this dredging project. He stated that the citizens are okay with this proposed compromise.

Treasurer Chappell asked about the process in the event some material is found with high levels of contamination. Mr. Roach stated that once we receive the sampling results, the District will work with the environmental regulatory agencies on how to handle the material. He stated that if an area was found to have high levels of contamination, we could use a different type of dredging process in that area, isolate the material, and handle it according to the environmental regulations.

Mr. Gary Kaczenski stated that during the District's initial due diligence in 1997, material samples were taken. He stated that additional samples should have been taken before the DMMA IR-2 was constructed. He stated that if this material turns out to be toxic, the citizens will not allow the District to place that material in that site. He stated that the citizen's consultants believe that the contamination is at the bottom of the muck and that muck should be removed. We do not want the dredging process to suspend those contaminants into the Indian River Lagoon.

Mr. Frank Marshall stated that mercury comes from the atmosphere and falls into the water and settles. He stated that the citizens requested that the District take samples to the bottom of the muck depth and the District has agreed to sample two feet below the project depth. He stated that he is concerned that during dredging the mercury will become suspended in the water and contaminate the lagoon.

Commissioner Barkett stated that the District has no reason to suspect that this area of the Indian River Lagoon has higher levels of mercury contamination than any other area of the waterway. Mr. Marshall stated that he feels that the mercury contamination could be higher because of its suspension from the recent dredging of the Sebastian River Muck Removal project.

Mr. Fred Messing asked about using the current man made spoil islands for spoil placement. Chair Colee stated that the environmental regulatory agencies have determined that using spoil islands for dredging material placement is no longer a viable option.

Commissioner Sansom stated that the question of using spoil islands for material management comes up frequently and he asked Mr. Roach to elaborate on the reason that is no longer allowed.

Mr. Roach stated that from an environmental regulatory standpoint, the islands are too small for modern dike construction without expanding them. He stated that expansion is not allowed because of its impact to seagrass and fisheries habitat. He stated that also, from a management standpoint, a spoil island cannot be efficiently off loaded and managed for continued use in our 50 year management plan.

Mr. Crosley stated that additionally, the spoil islands erode and they contribute to shoaling and water clarity.

Mrs. Flo Kaczenski stated that the population has tripled from the time that the District chose DMMA IR-2.

Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

Commissioner Sansom stated that development of these sites takes permitting, time, and money. He stated that all the District's sites have signs on them identifying them for their use. He stated that unfortunately the District cannot control population growth and development.

#### ITEM 11. Powell Brothers Third Party Dredging Agreement, Broward County.

Mr. Roach stated that as previously reviewed with the Board, there are several marine facilities along the Dania Cutoff Canal that want to piggyback on the District's dredging project and deepen their facilities. He stated that the Board previously reviewed the Third Party Dredging Agreement developed by legal counsel. He stated that a specific agreement has been formulated for the Powell Brothers facility for approval and he noted that Item 4 has been revised.

Treasurer Chappell made a motion to approve the Third Party Dredging

Agreement with the Powell Brothers. The motion was seconded by Commissioner

Sansom. Chair Colee asked for discussion.

Treasurer Chappell asked how this work is tied to the bond that the District has provided to Broward County for the DMMA and questioned if the District is requiring the third party owners to pay those additional costs. Mr. Roach stated that the District has

not required the third party partners to pay any additional bond. He stated that we do require the third party partners to pay for any additional costs related to any contaminated materials.

Treasurer Chappell asked about the cost for this third party project. Mr. Roach stated that we do not have that cost at this time. He stated that the procedure is that the third party signs the agreement, provides the District with their permits, and then the contractor will provide the cost estimate.

Secretary Blow referred to Item 5 of the agreement referring to the volume of dredged material. Mr. Roach stated that he was provided with an estimated quantity and it is only a few thousand cubic yards of material. He stated that the contactor provides a unit price for dredging and then if the dredging volume is less the owner shall receive a price reduction.

Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

#### **ITEM 12.** Assistance Projects Extension Requests.

Mr. Roach stated that several Project Sponsors have requested extensions of their FY 2009-10 project agreements. He stated that by law and District program rule, these agreements can be extended for one year only.

Commissioner Sansom made a motion to approve the requested project agreement extensions for one additional year. The motion was seconded by Commissioner Netts. Chair Colee asked for discussion.

Secretary Blow noted that many of these projects are requesting this extension because of permitting delays.

Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

#### **ITEM 13.** Assistance Program Review.

Mr. Crosley stated that every year, upon completion of the Assistance Program application cycle, the District reviews the Assistance Program rules for changes that would make the process better for the District and the applicants.

Mr. Crosley stated that the first four items are administrative changes.

#### 1. Add Definition of "Beach Renourishment."

Mr. Crosley stated that staff would like to add beach renourishment language to the Cooperative Assistance Program (CAP) rules. He stated that this definition will only include those beaches that have been adversely impacted by navigation inlets, navigation structures, navigation dredging, or a navigation project.

#### 2. Update and Correction of Rule References.

Mr. Crosley stated that this is an administrative change correcting the rule references in the Funds Allocation section.

## 3. Add Language to Allow for Current Funding Levels of Derelict Vessel and Clean-up Projects.

Mr. Crosley stated that this proposed change will allow a fifty percent funding match for derelict vessel and waterway clean-up projects.

### 4. Add "Pre-agreement Expenses" to CAP Rule Application Process.

Mr. Crosley stated that this new language will make the CAP pre-agreement rule language consistent with the Waterways Assistance Program (WAP) rule language.

Mr. Crosley asked for questions on these four items.

Secretary Blow stated that St. Augustine is in the process of modifying our Inlet Management plan, which will be reviewed by the Department of Environmental Protection. He stated that he has questions about inlet management and beach renourishment grants. Mr. Crosley stated that the District has never had a request for a beach renourishment assistance grant. He stated that the District only participates in beach renourishment related to dredging projects under specific circumstances. Mr. Roach suggested that he discuss this with Mr. Crosley and he noted that the Board will have one more chance to make changes to these rules before the January deadline.

Commissioner Netts made a motion to approve the proposed rule language changes for initiation of rulemaking. The motion was seconded by Secretary Blow. Chair Colee asked for discussion.

## 5. Clarify "InKind" Participation for the District's Small-Scale Spoil Island Program and Water Waterway Cleanup Program.

Mr. Crosley stated that the District's current general program rules only allow for personnel cost when they are performed by an independent contractor. He stated that the Spoil Island program rules allow for personnel cost, which is limited to \$10.00 per hour, but no administration costs. He stated that now that the Waterway Cleanup Program is part of the Assistance program, it defers to the rule not allowing in house costs. He stated that staff recommends no change to this rule section.

### 6. Clarification of the Rules for Land Acquisition Projects.

Mr. Crosley stated that staff is recommending, for District funded land purchases, that the applicant shall immediately record a declaration of covenants stating that if the required boating access facility is not constructed within seven 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 may require the applicant to refund the program funding. He asked for discussion.

Secretary Blow asked if 25 years is long enough. Mr. Crosley noted that 25 years is consistent with the program's current rules. Mr. Roach noted that the 25 year requirement is set to the life span of a capital improvement.

Commissioner Barkett referred to Item 5 and questioned the in kind credit for soft costs, such as project management, administration. He asked if there is a percentage limit as to what the District will allow and how do we perform a check and balances on those items. Mr. Crosley noted that the rule on in kind costs only applies to outside contractors such as an engineering consultant. Mr. Roach noted that the consultant would have a contract with the city.

Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

## **ITEM 14.** Personnel Committee Report.

Chair Netts stated that the District's Personnel Committee met before today's Board meeting and the Committee recommends interviewing the top six candidates on Friday, September 14<sup>th</sup> at 2:00° p.m. He noted that all commissioners can attend that meeting. He stated that if there is a clear consensus of a candidate, a recommendation will be made to the Board. He stated that if there is no clear consensus of a candidate, the candidates will be ranked and the top two candidates will be offered an opportunity for an additional interview on Saturday, September 15<sup>th</sup> prior to our meeting.

Commissioner Bowman asked which candidate dropped out. Chair Netts answered candidate number one.

Commissioner Netts made a motion to approve the recommendations of the District's Personnel Committee. The motion was seconded by Commissioner Bray. Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

### ITEM 15. Finance and Budget Committee Report.

Chair Chappell stated that the District's Finance and Budget Committee met before today's Board meeting and the Committee reviewed and recommends approval of the June 2012 financial statements and the Executive Director's Delegation of Authority.

Chair Chappell made a motion to approve the recommendations of the District's Finance and Budget Committee. The motion was seconded by Commissioner Netts. Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

## **ITEM 16.** Washington Report.

Mr. Roach stated that the House and Senate have agreed to vote in September on a continuing resolution that will fund the Federal government though March 30, 2013. He stated that this agreement has been backed by the White House.

Mr. Roach stated that after the election the House and Senate will come back to take action on the FY 2013 Energy and Water Appropriations legislation.

#### ITEM 16A. Dredging in the Vicinity of Ponce de Leon Inlet.

Mr. Crosley stated that currently the USACE is operating a hopper dredge project at the Ponce de Leon Inlet and that the District has a unique opportunity to piggy-back on

this operation and dredge material from our channel. He stated that a recent hydrographic survey shows the need to dredge two cuts in this vicinity. He stated that there is a standard daily operation cost for the dredge of \$28,000.00 per day. He stated that staff proposes a maximum of 16 days of operation. He stated that a Work Order has been drafted, and the permits and coordination for this project are in place. He stated that the dredge could be operating in the ICW in early September. He stated that there is the potential for significant savings of up to 8 days of mobilization and demobilization time also at \$28,000.00 per day should the dredge not have to return to this site at a later time.

Commissioner Freeman made a motion to approve Work Order No. 35-2012-02 for contributed funds from FIND to the USACE for hopper dredging of the ICW Channel (and wideners) in the vicinity of Ponce de Leon Inlet, to a maximum amount of \$448,000.00. The motion was seconded by Secretary Blow. Chair Colee asked for discussion.

Commissioner Freeman noted that the material is being taken out of the inlet and being deposited at the south end of the jetty. She asked if the District's dredged material will be placed at the same location. Mr. Crosley answered yes, in the near shore area.

Secretary Blow asked the capacity of the Currituck dredge. Mr. Crosley stated that it can move approximately 3,000 cubic yards of material per day.

Chair Colee asked for any further discussion, hearing none, a vote was taken and the motion passed.

#### ITEM 17. Additional Staff Comments and Additional Agenda Items.

Chair Colee thanked Mr. Smith for waiting to discuss his issue. Mr. Roach stated that Mr. Smith's company provided services to one of the sub-contractors working on the

DMMA IR-2 project who was working underneath the Corps contractor. He stated as soon as Mr. Smith contacted the District, staff sent the information to the Corps. He stated that the Corps does not have a process where they require payment of subcontractors, but they did provide the information to the contractor's bonding company. He noted that Mr. Smith did file a lien under the lien law, but public property cannot be liened. He stated that staff has encouraged the Corps to encourage their contractor and the bonding company to perform their due diligence and make payment for this material.

Commissioner Netts stated that he is a strong proponent of small business interests. He feels that it is unconscionable that payment to a small business owner is being held up. He stated that he does not know both sides of the issue, he does not know if Mr. Smith failed to perform, or if there is some rationale for withholding payment. He stated that the District may not have any direct authority in this issue, but I am sure we have persuasive power. He stated that he is asking staff to do everything possible, assuming that this is simply a failure of a contractor or sub-contractor withholding payment, to persuade the contactor to pay Mr. Smith. He stated that small business is the life blood of our counties, our state, and of our nation. He stated that it is not appropriate that this gentleman go unpaid for no reason.

Commissioner Barkett stated that this project has been identified as a FIND project and we need to make sure that Mr. Smith gets paid. He asked if staff is aware of any dispute that Mr. Smith has provided these services. Mr. Roach answered no. Commissioner Barkett stated that he is encouraging staff to see to it that Mr. Smith gets paid.

Secretary Blow stated that the District paid the Corps to do this project. He suggested that staff make a formal request to the Corps requesting a report on what happened and why Mr. Smith has not been paid.

Mr. Smith stated that there has been no dispute on delivery, quality, or amount of the material delivered or on the amount of debt owed to him. He stated that he simply has not been paid. He stated that if he has to go after the bond it will take two years and approximately \$100,000.00 in attorney fees to collect his \$52,000.00 and he will not get his \$100,000.00 back. Chair Colee stated that this Board agrees that this is unacceptable and we will work to clear this mess up.

Commissioner Sansom stated that the bottom line is that this was a District funded project. He stated that unless we have any reason to believe that Mr. Smith did not provide the material, we need to take the lead to resolve this issue and do it quickly. He suggested that we take the funds out of the retainage and let the Corps sort it out.

Commissioner Netts stated that in his city we verify that a contractor is responsive and responsible. He suggested that a contractor that does not pay their sub-contractors is not responsible and should not work for the District again.

Chair Colee requested that staff contact the Corps and obtain an explanation of why this has not been remedied. He requested a response by the District's September meeting and that we make sure that Mr. Smith is paid.

Commissioner Sansom stated that he is hopeful that Mr. Smith is paid before our September meeting but in the event he is not, this item should be placed on the September agenda.

Secretary Blow stressed that staff make it perfectly clear to the Corps to not release our \$100.000.00 retainage until this issue is resolved. He asked that Mr. Smith provide a narrative to staff about the incident and everything that has happened and noted that the more information we have the quicker we can get to the bottom of this.

Chair Colee stated that he appreciates Mr. Smith coming to the District with this problem and he assured him that this is not the way the District does business. He stated that he apologizes for the trouble that Mr. Smith has been through and that this Board will work to settle this issue.

Vice-Chair Kavanagh stated that after this is researched and resolved, she would like to hear at the next meeting as to how this transpired, why, and how it worked out.

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

Mr. Crosley stated that the Corps and staff have been discussing the possibility of a Waterway trip in October. He stated that the Corps vessel will cost \$50,000.00 for three days and the Corps has requested that the District split the costs with them. He stated that does not include the costs of food and beverages. He stated that he has contacted several private providers and the costs range from \$11,000.00 to \$13,000.00, including food and beverages for three days. He would like to know if the commissioners want him to move forward with this planning.

Chair Colee stated the pursuing options is important. He stated that he is concerned about the public's perception of an Intracoastal Waterway cruise on a chartered yacht versus a trip on the Corps' vessel.

Commissioner Bray asked if the Corps would split the cost if we use a private vessel. Mr. Crosley answered no.

Mr. Ed Messing stated that this District should evaluate their actions. He stated that this Board should use the least expensive vessel even if it is not the Corps' vessel. He reminded the commissioners that these are tax payer dollars.

Commissioner Sansom stated that he does not feel that the District should pay to use the Corps vessel if it is more costly than a private vessel but, he does not feel that we should be on a yacht. He stated that we should find something in between.

# ITEM 18. Commissioners Comments.

Chair Colee asked if there were any additional Commissioner comments.

Treasurer Chappell asked if a city needed beach renourishment and the District was performing a dredging project, how could we tie the two projects together. Mr. Roach stated that we would complete an analysis of the cost differential between putting the material in a DMMA versus on the beach. He stated that the District would require the city to pull the beach renourishment permits and provide the District with the project cost differential. He stated that the District would do this under an Interlocal Agreement.

Commissioner Freeman noted that the DMMA IR-2 site visit and Community

Outreach event was a wonderful opportunity to understand the community.

# ITEM 19. Adjournment.

Chair Colee stated that hearing no further business the meeting was adjourned at 11:34 a.m.

# MINUTES OF THE

# FLORIDA INLAND NAVIGATION DISTRICT

# Land Acquisition & Management Committee Meeting

11:45 a.m., Saturday, August 18, 2012

The City of Sebastian Commission Chambers

# 1225 Main Street

# Sebastian, Indian River County, Florida

# ITEM 1. Call to Order.

Acting Chair Barkett called the meeting to order at 11:45 a.m.

# ITEM 2. Roll Call.

Assistant Executive Director Mark Crosley called the roll and Acting Chair Barkett, Commissioner Blow, Commissioner Bowman, and Commissioner Kavanagh were present. Mr. Crosley stated that a quorum was present.

# ITEM 3. Additions or Deletions.

Acting Chair Barkett asked if there were any additions or deletions to the meeting agenda. There were none.

Commissioner Blow made a motion to approve the final agenda as presented.

Commissioner Bowman seconded the motion. Acting Chair Barkett asked for any additional discussion, hearing none a vote was taken and the motion passed.

# **ITEM 4.** Lease of a Portion of DMMA FL-3 by Flagler County.

Mr. Roach stated that Flagler County has requested a five year lease of an old soil logging road on DMMA FL-3 to provide alternative access to their properties that exist on all sides of the District's property. He stated that staff has allowed temporary use of

the road by the County several times in the past and we would like to formalize the conditions for use by the lease as well as be covered by the County's insurance.

Mr. Roach stated that Item 7 of the final lease will allow the County two uses; County employees can access adjacent County property through this road, and the road can be used as an exit, once a year, for their Creekside festival. He stated that if the County wants to use the property for anything else, they must get approval from the District prior to that use. He stated that the final lease wording will have the words "drilling mud" removed from Item 14.

Acting Chair Barkett asked why we are doing a lease instead of an access easement. Attorney Breton stated that a lease is terminable.

Mr. Roach stated that under Item 27, the last sentence referring to dredging equipment will be deleted from the final lease.

Commissioner Blow made a motion to approve the lease as amended to Flagler County on a portion of DMMA FL-3. Commissioner Kavanagh seconded the motion. Acting Chair Barkett asked for any additional discussion, hearing none a vote was taken and the motion passed.

# **ITEM 5.** Lease of DMMA DU-8, Duval County.

Mr. Roach stated that the District has received a request from Brance Diversified, Inc. to lease DMMA DU-8 to manage approximately 15,000 cubic yards of dredged material from the Marsh Landing Homeowners Association's Marina and canal system. He stated that the material has been tested and is clean. He stated that if approved the standard lease will be executed requiring payment for the use of the site, insurance

coverage to the District, and removal of the materials from our property. He stated that staff is recommending a \$300,000.00 bond from the lessee.

Acting Chair Barkett referred to Item 6 of the Lease Agreement and stated that it should read 20 cents per cubic yard.

Commissioner Blow stated that Brance Diversified, Inc. will be required to put up a \$300,000.00 bond to insure removal of the material. He stated that because it is very difficult to call a bond from a bonding company, perhaps we should require a Letter of Credit. Mr. Roach stated that perhaps a \$300,000.00 Letter of Credit may be difficult to obtain. Attorney Breton stated that a Letter of Credit would be preferable but the funds must be deposited into the bank. Commissioner Blow suggested that we request a Letter of Credit in a lower amount.

Acting Chair Barkett asked about the concern. Commissioner Blow stated that he is concerned that the contractor will not remove the material from the District's site and the District would be left to remove it. Attorney Breton noted that if the material turned out to be contaminated it would have to be removed and placed in a special hazardous site.

Commissioner Bowman stated that the District has done this many times in the past and he inquired as to the history of this type of use. Mr. Roach stated that the District has not done this a lot. He stated that we get these requests and when the applicant goes through the cost analysis, the District's site is never the least cost effective alternative. He stated that, with the projects that have moved forward, the experiences have been positive. He stated that for this project he feels that the risk to the District is

minimal and the quantity of material is not that large. He stated that staff is recommending moving forward with this Lease Agreement as is.

Commissioner Blow made a motion to approve a lease to Brance Diversified, Inc. for the use of DMMA DU-8 for the placement of approximately 15,000 cubic yards of material from the Marsh Landing Marina and canal system. Commissioner Bowman seconded the motion. Acting Chair Barkett asked for any additional discussion, hearing none a vote was taken and the motion passed.

# ITEM 6. Construction Administration Services for the Construction of DMMA NA-1, Nassau County.

Mr. Roach stated that the District is out to bid for the construction of DMMA NA
1. He stated that staff requested that the District Engineer, who is the engineer of record for the project, provide us with a scope of services and fee quote for construction administration services. He stated that, because of the existence of silts and muck soils underneath the proposed dikes, this project has a higher level of difficulty than most of our dike construction projects. He stated that therefore, the engineer has proposed daily inspections to start the project which can be reduced over time if the project is proceeding well. He stated that the proposal is a not to exceed proposal and if the project moves forward correctly those inspections may be ramped back and we may not spend the full amount quoted.

Mr. John Adams of Taylor Engineering, Inc. stated that this site has soft clays in it and we have hired a geo-tech engineer to assist us with that and our construction administration. He stated that because of the soft clay issues, the contractor will be required to hire his own geo-tech engineer. He stated that the mandatory pre-bid meeting

was attended by four well qualified bidders. He stated that there will be some challenges and we have told the contractors that we will be looking at their experience in building dikes in marsh or soft clay environments. He stated that construction administration will be 10% of the project cost.

Acting Chair Barkett stated that the engineer of record is Taylor Engineering and the project is being put out to bid for a contractor. He questioned if we always have construction administration services provided by somebody for these types of projects. Mr. Roach answered yes and stated that we need these services. Acting Chair Barkett asked if a 10% construction administration fee is an industry standard. Mr. Roach answered yes.

Commissioner Bowman made a motion to approve a scope of services and fee quote in the amount of \$333,526.60 from Taylor Engineering for Construction Administration Services for the DMMA NA-1 Construction Project. Commissioner Blow seconded the motion. Acting Chair Barkett asked for any additional discussion, hearing none a vote was taken and the motion passed.

# ITEM 7. Additional Staff Comments and Additional Agenda Items.

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

# **ITEM 8.** Commissioners Comments.

Acting Chair Barkett asked if there were any additional Commissioner comments.

There were none.

# ITEM 9. Adjournment.

Acting Chair Barkett stated that hearing no further business the meeting was adjourned at 12:06 p.m.



# PALM BEACH COUNTY PROJECT STATUS UPDATE

# September 2012

# Dredged Material Management Plan.

Phase I of the Dredged Material Management Plan (DMMP) for the Intracoastal Waterway in Palm Beach County was completed in 1989. Phase II of the DMMP was completed in 1990 and all major land acquisition was completed in 1991. See attached maps.

The 50 year dredging projection for the 43 miles of channel in Palm Beach County is 2.9 million cyds. and the storage projection is 5.5 million cyds. The majority of this dredging (76%) is associated with Jupiter Inlet.

# Dredged Material Management Area Development and Dredging

Six upland Dredged Material Management Areas (DMMA) have been acquired and two beach placement areas will manage dredged materials from the waterway. The DMMA on Peanut Island and MSA 641A have been constructed.

A small but limiting shoal in the vicinity of the Parker Bridge in Dredging Reach II is being scheduled for dredging this year. The dredged material will be placed in MSA 617C.

The deepening of a portion of Reach III north of the Port of Palm Beach has initiated permitting and will be dredged next year.

Maintenance dredging of Reach IV is in the planning phase.

# Waterways Economic Study

The Palm Beach County Waterways Economic Study was completed in 1998 and updated in 2007 and 2011. The recent study documented up to 831 recreational waterway related businesses in the county employing 5,879 people, with salaries of \$297.5 million and a total economic impact of \$1.26 billion. Property values were determined to be increased by \$2 billion by the presence of the ICW channel. There are approximately 33,128 registered vessels in the county.

\_\_\_\_\_

# Waterways Assistance Program

Since 1986, the District has provided \$32.8 million in Waterways Assistance Program funding to 151 projects in the County having a total constructed value of \$105 million.





# PALM BEACH COUNTY PROJECT STATUS UPDATE

# September 2012

The County, fifteen cities, and the Port of Palm Beach have participated in the program. See attached listing.

Notable projects funded include: Peanut Island Park, construction or rehabilitation of most of the saltwater boat ramps, Jupiter Riverwalk, Lake Park Marina, and the West Palm Beach Waterfront Renovations.

Eight applications ar	re currently being	considered for	funding assists	ance for FY	2011-12.

# **Cooperative Assistance Program**

The District's Cooperative Assistance Program has providing funding assistance for the following projects with elements in Palm Beach County: Florida Marine Patrol Officer Funding; Clean Marina Program; Clean Vessel Act; Ocean Avenue bridge replacement; Manatee Acoustic Warning System, and; Shoreline Stabilization and Boat at the FWC Office. The District's funding assistance for the Palm Beach County portion of these projects was approximately \$2.6 million.

# **Interlocal Agreement Program**

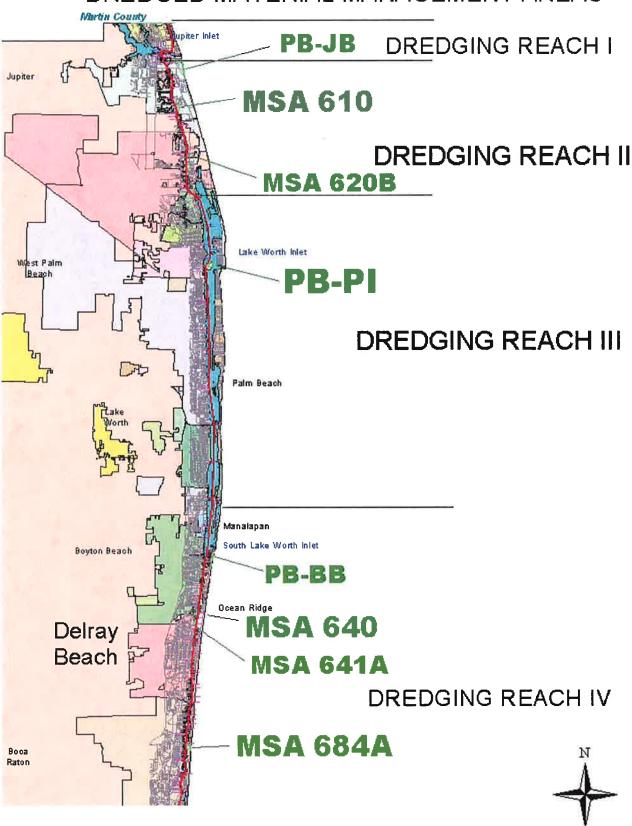
The District's Interlocal Agreement Program (which is a sub-set of the WAP and CAP programs) has providing funding assistance for the following projects with elements in Palm Beach County: Clean Marina Program; Clean Vessel Act, Dredging of ICW Cut P-50 and; the MSA 614B Mitigation/Enhancement Project. The District's funding assistance for the Palm Beach County portion of these projects was approximately \$565,000.

# **Public Information Program**

The District currently prints and distributes the following brochures with specific information about Palm Beach County Waterways: the Economic Impact of Palm Beach County Waterways, Palm Beach County Boating Safety and Manatee Protection Zone Brochure, Movable Bridge Guide, and the ICW Channel Conditions Brochure.



# PALM BEACH COUNTY ICW DREDGING REACHES AND DREDGED MATERIAL MANAGEMENT AREAS





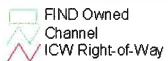




DMMA PB-JIB







MSA 610/611



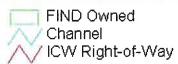




MSA 617C



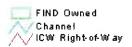




**DMMA PB-PI** 







DMMA PB-BB

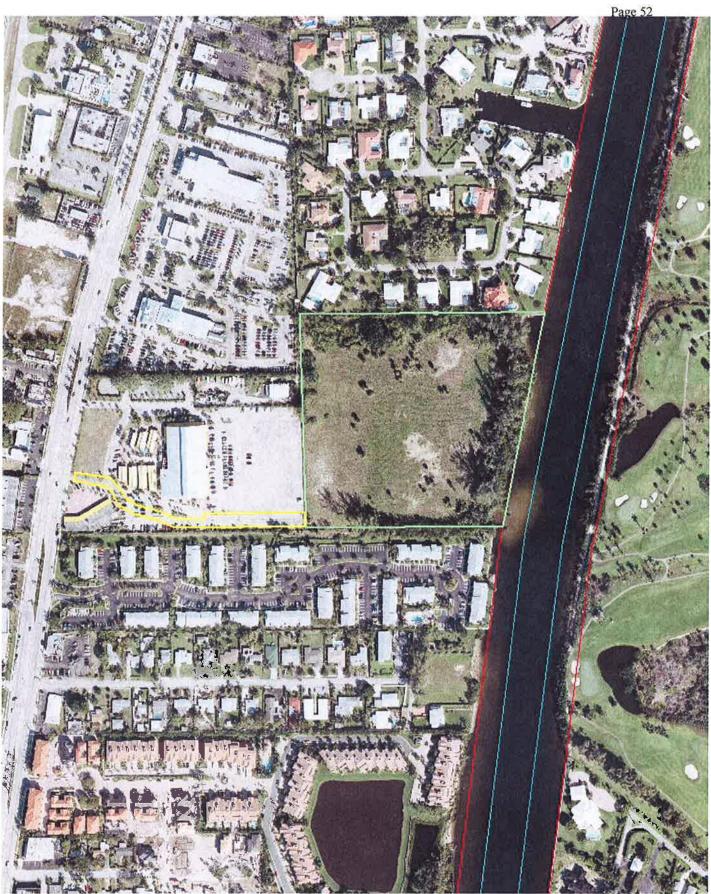




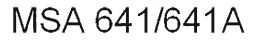


MSA 640/640A















MSA 684A



# ECONOMIC BENEFITS OF THE DISTRICT'S WATERWAYS



# **Purpose**

To update economic benefits in Palm Beach County of marine-related activities on the District Waterways, as previously estimated in An Economic Analysis of the District's Waterways in Palm Beach County, December 2006, 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
- 4. Estimated impact of the 2007-2009 U.S. economic recession

# **ECONOMIC IMPACTS**

# **Current Existing Impacts**

- \$1.26 billion in business volume
- \$297.5 million in personal income
- 5,879 jobs
- \$53.3 million in tax revenue

# Impacts of Cessation of Waterways Maintenance

- Decrease of \$537.3 million in business volume
- Decrease of \$126.3 million in personal income
- Decrease of 2,640 jobs
- Decrease of \$22.2 million in tax revenue



# Impacts of an Increase in Waterways Maintenance

- Increase of \$147.4 million in business volume
- Increase of \$33.0 million in personal income
- Increase of 686 jobs
- Increase of \$5.7 million in tax revenue

# Impact of the 2007-2009 U.S. Economic Recession

- Decrease of \$779.97 million in business volume
- Decrease of \$182.0 million in personal income
- Decrease of 3,789 jobs
- Decrease of \$31.7 million in tax revenue

**Economic Benefits as of April 2011** 



# 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 December 2006 in An Economic Analysis of the District's Waterways in Palm Beach County.

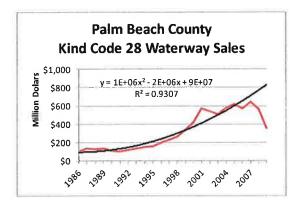
# **Updating of Previously Estimated Benefits**

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 impact of the recession was estimated by determining the trend in gross sales of boat dealers 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. The red line in the figure below illustrates reported actual gross sales of boat dealers and the black line illustrates the trend of those sales. From 2007 to 2009 gross boat dealer sales in Palm Beach County decreased by 45 percent; if the recession had not occurred, it is estimated that gross sales from 2007 to 2009 would have decreased by only four percent.

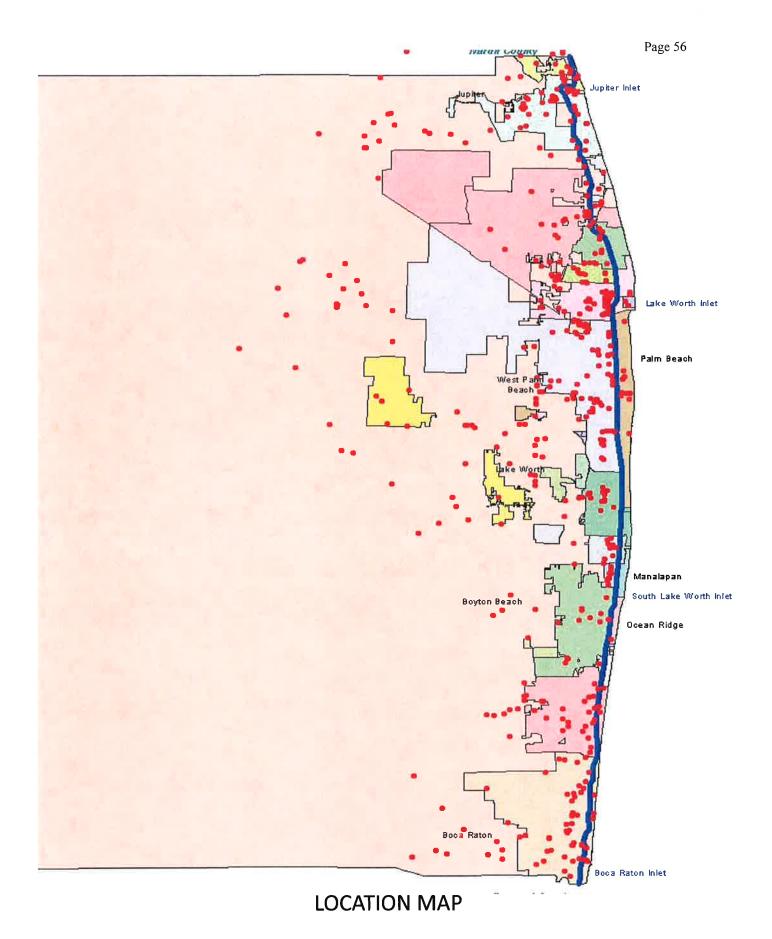


# Annual Boater Spending on Gas, Food, and Drinks at Non-Marine-Related Establishments

- Current existing conditions: \$36.4 million
- Cessation of maintenance: \$22.5 million
- Increased maintenance: \$36.4 million
- Assuming no recession: \$48.5 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
- Assuming no recession: 6.5 feet MLW



Palm Beach County Waterway Related Businesses

# FLORIDA INLAND NAVIGATION DISTRICT WATERWAYS ASSISTANCE PROGRAM PROJECTS IN PALM BEACH COUNTY 1986-2012

Project Name	Project Numbe	Project Number Project Sponsor	Grant Amount	Total Cost
Peanut Island Development - Phase I V	PB-00-90	Palm Beach County	\$525,000.00	\$6,344,431.00
Phil Foster Park - Phase I	PB-01-94	Palm Beach County	\$100,000.00	\$200,000.00
Ship For Kids	PB-01-95	Palm Beach County	\$75,000.00	\$150,000.00
Lake Worth Wetlands Restoration Project	PB-02-101	Palm Beach County	\$400,000.00	\$13,968,377.00
Lake Worth Lagoon Artificial Reef At Kelsey Park	PB-03-107	Palm Beach County	\$100,000.00	\$200,000.00
Phil Foster Park Development - Phase I I I	PB-03-108	Palm Beach County	\$720,000.00	\$1,440,000.00
Burt Reynolds Park Development - Phase A	PB-04-110	Palm Beach County	\$400,000.00	\$1,000,000.00
Du Bois Park - Phase I	PB-05-114	Palm Beach County	\$61,854.00	\$250,000.00
Burt Reynolds Park - Phase I I	PB-06-121	Palm Beach County	\$806,750.00	\$2,413,500.00
Light Harbor Boat Ramp (F.K.A. Moroso Wtwy Park)	PB-07-126	Palm Beach County	\$987,000.00	\$2,476,321.00
S. Lake Worth Inlet Sand Trap & Boat Channel Dredging	PB-07-127	Palm Beach County	\$233,220.00	\$897,000.00
John's Island Oyster Reef Project	PB-08-132	Palm Beach County	\$200,000.00	\$680,000.00
Snook Islands Public Use Facilities	PB-08-133	Palm Beach County	\$639,575.00	\$1,279,150.00
Dubois Park Marina & Shoreline Stabilization	PB-09-140	Palm Beach County	\$987,000.00	\$2,587,975.00
Burt Reynolds Park Staging Dock Extension	PB-10-146	Palm Beach County	\$75,000.00	\$150,000.00
Jupiter Ridge Shoreline Restoration Project	PB-10-147	Palm Beach County	\$500,000.00	\$1,479,718.00
South Cove Restoration And Boardwalk	PB-10-148	Palm Beach County	\$1,000,000.00	\$4,388,000.00
Waterway Park Design & Permitting - Phase I	PB-10-149	Palm Beach County	\$100,000.00	\$428,711.00
Bert Winters Boat Ramp - Phase I	PB-11-152	Palm Beach County	\$90,000.00	\$180,000.00
Bryant Park Wetland Restoration & Boat Ramp Facility	PB-11-153	Palm Beach County	\$255,000.00	\$625,000.00
John's Island Oyster Reef Project - Phase B	PB-11-154	Palm Beach County	\$406,250.00	\$812,500.00
Lake Wyman Restoration Project	PB-11-155	Palm Beach County	\$372,868.00	\$745,736.00
Bert Winters Boat Ramp	PB-89-5	Palm Beach County	\$71,500.00	\$143,000.00
Dubois Park Restoration - Phase I	PB-90-7	Palm Beach County	\$15,000.00	\$30,000.00
Juno Park Improvements	PB-90-8	Palm Beach County	\$12,500.00	\$25,000.00
Ocean Inlet Marina Channel Dredging & Daymarking	PB-91-12	Palm Beach County	\$60,000.00	\$66,975.00
Munyon Island Restoration - Phase I	PB-91-13	Palm Beach County	\$100,000.00	\$202,000.00
Juno Beach Boat Ramp Improvement	PB-92-18	Palm Beach County	\$60,354.00	\$120,708.00
Burt Reynolds Park Boat Ramp Design	PB-92-19	Palm Beach County	\$15,000.00	\$30,000.00
Munyon Island Restoration - Phase I I	PB-92-20	Palm Beach County	\$211,000.00	\$442,000.00
Surveys For Munyon Island Restoration	PB-93-26	Palm Beach County	\$21,704.00	\$43,408.00
Burt Reynolds Park Boat Ramp & Parking	PB-93-28	Palm Beach County	\$116,500.00	\$400,000.00
Dubois Park Marina Shoreline Stabilization - Phase I	PB-93-29	Palm Beach County	\$96,687.00	\$222,380.00
Burt Reynolds Park Boat Ramp Construction & Improvement	PB-94-33	Palm Beach County	\$135,234.00	\$270,468.00
Munyon Island Wetland Restoration - Phase I I	PB-94-34	Palm Beach County	\$223,500.00	\$1,170,083.00
Inshore Artificial Reef Project	PB-95-37	Palm Beach County	\$73,687.00	\$147,374.00

# FLORIDA INLAND NAVIGATION DISTRICT WATERWAYS ASSISTANCE PROGRAM PROJECTS IN PALM BEACH COUNTY 1986-2012

Peanut Island Development - Phase I	PB-95-38	Palm Beach County	\$456,216.00	\$912,433.00
Peanut Island Park - Phase 1 B & 2 A	PB-96-44	Palm Beach County	\$399,050.00	\$798,100.00
Red Reef Park Estuarine Enhancement	PB-96-45	Palm Beach County	\$57,270.00	\$114,540.00
Light Harbor Marina - Phase I ( Project Expired)	PB-97-51	Palm Beach County	\$80,000.00	\$164,552.00
Waterway Safety, Education & Enforcement	PB-97-52	Palm Beach County	\$52,000.00	\$61,400.00
Inshore Artificial Reef	PB-97-53	Paim Beach County	\$50,000.00	\$107,134.00
C.D. R.O.M. & Web Site For Lake Worth Lagoon	PB-97-54	Palm Beach County	\$70,000.00	\$92,000.00
Light Harbor Marina Construction ( Project Expired)	PB-98-62	Palm Beach County	\$500,000.00	\$2,100,000.00
Habitat Enhancement Along Lake Worth Golf Course	PB-98-63	Palm Beach County	\$15,000.00	\$30,000.00
Preconstruction Work Munyon Island Boat Dock (Expired)	PB-98-64	Palm Beach County	\$10,000.00	\$20,000.00
Exotic Vegetation Removal & Env. Restoration	PB-99-74	Palm Beach County	\$5,250.00	\$10,500.00
Inshore Artificial Reef Project	PB-99-75	Palm Beach County	\$30,000.00	\$60,000.00
Peanut Island Development - Phase 3	PB-99-76	Palm Beach County	\$97,500.00	\$195,000.00
Boat Club Park Navigation Channel Dredging	PB-BB-00-84	City Of Boynton Beach	\$22,500.00	\$25,000.00
Boat Club Park Navigation Channel Dredging	PB-BB-02-97	City Of Boynton Beach	\$18,000.00	\$40,000.00
Boat Club Park Fishing/ Viewing Pier	PB-BB-03-105	City Of Boynton Beach	\$22,430.00	\$44,860.00
Jaycee Park Environmental Education	PB-BB-09-136	City Of Boynton Beach	\$77,045.00	\$154,090.00
Boat Club Park Channel Maintenance Dredging	PB-BB-91-14	City of Boynton Beach	\$80,000.00	\$80,000.00
Mangrove Nature Preserve	PB-BB-92-24	City of Boynton Beach	\$15,250.00	\$30,500.00
Boynton Beach Downtown Mangrove Park	PB-BB-94-36	City Of Boynton Beach	\$195,000.00	\$898,234.00
Safe Waterways	PB-BB-98-71	City Of Boynton Beach	\$51,670.00	\$90,231.00
Okeechobee Waterway & Inland Marina Channels	PB-BG-08-129	City Of Belle Glade	\$480,500.00	\$961,000.00
Okeechobee Waterway & Navigation Channels	PB-BG-09-135	City Of Belle Glade	\$328,770.00	\$657,540.00
Belle Glade Marina Wharf Repairs (GRANT CANCELLED)	PB-BG-87-1	City of Belle Glade		
Belle Glade Marina Seawall Construct. (GRANT CANCELLED)	PB-BG-87-2	City of Belle Glade		
Boat Ramp Parking Improvement - Belle Glade Marina	PB-BG-92-22	City of Belle Glade	\$32,500.00	\$65,000.00
Boca Raton Inlet Navigation Maintenance Program	PB-BR-00-82	City Of Boca Raton	\$100,000.00	\$200,000.00
Inflatable Rescue Boat Safety Program	PB-BR-00-83	City Of Boca Raton	\$13,762.00	\$18,350.00
Spanish River Police Dockage Facility	PB-BR-02-96	City Of Boca Raton	\$100,000.00	\$200,000.00
Boca Raton Fire Rescue Boat	PB-BR-03-104	City Of Boca Raton	\$37,502.00	\$75,004.00
Lake Wyman Park Development	PB-BR-88-4	City of Boca Raton	\$115,800.00	\$231,600.00
Boating Safety	PB-BR-96-48	City Of Boca Raton	\$32,000.00	\$56,572.75
Inlet Navigation & Sand Transfer Project	PB-BR-97-57	City Of Boca Raton	\$42,200.00	\$404,487.00
Waterways Boating Safety Programs And Equipment	PB-BR-98-66	City Of Boca Raton	\$29,994.00	\$54,994.00
Boca Raton Inlet Dredging Equipment	PB-BR-98-67	City Of Boca Raton	\$240,000.00	\$546,000.00
El Rio Canal Dredging	PB-BR-99-77	City Of Boca Raton	\$23,052.00	\$92,200.00
Police Boat	PB-DB-00-85	City Of Delray Beach	\$47,229.00	\$62,974.00
Land Acquisition - Boat Ramp Parking	PB-DB-00-86	City Of Delray Beach	\$70,000.00	\$140,000.00
Municipal Marina	PB-DB-00-87	City Of Delray Beach	\$81,000.00	\$402,000.00

# FLORIDA INLAND NAVIGATION DISTRICT WATERWAYS ASSISTANCE PROGRAM PROJECTS IN PALM BEACH COUNTY 1986-2012

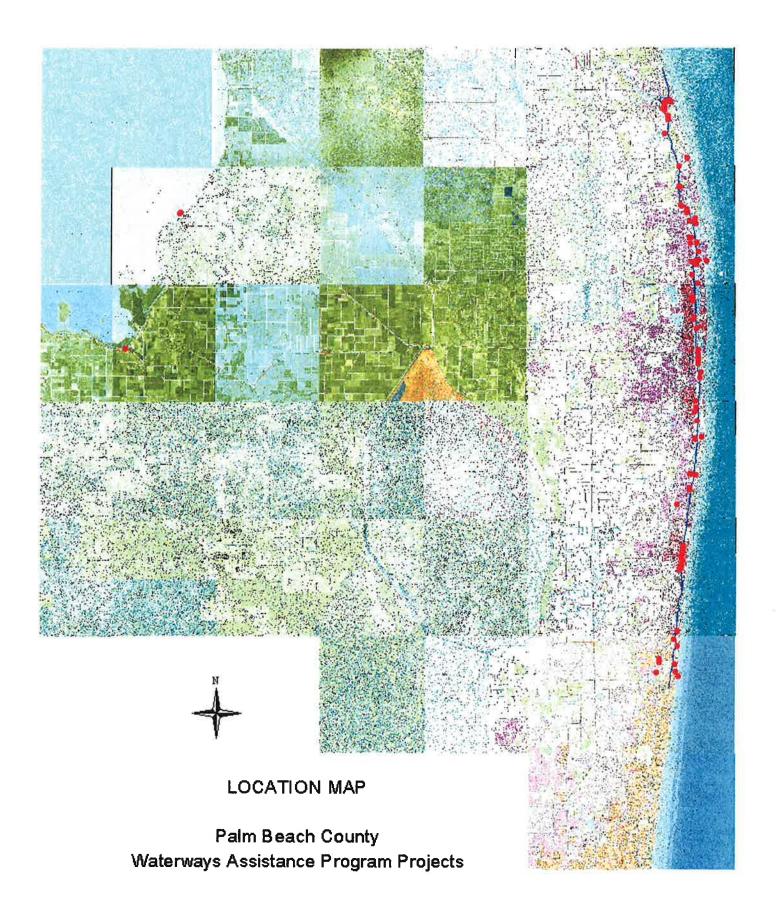
Seawall Parks Delray Intracoastal Park ( M.S.A. 650)	PB-DB-02-98 PB-DB-06-117	City Of Delray Beach City Of Delray Beach	\$20,000.00	\$40,000.00
Mangrove Park Boat Ramp Reconstruction	PB-DB-10-144	City Of Delray Beach	\$85,740.00	\$175,000.00
Veterans Park - Phase I	PB-DB-90-9	City of Delray Beach	\$157,500.00	\$315,032.00
Seawall Rehabilitation Project	PB-DB-94-35	City Of Delray Beach	\$164,950.00	\$408,900.00
Knowles Park Boat Ramp	PB-DB-97-58	City Of Delray Beach	\$77,261.00	\$154,522.00
Delray Beach Marina Improvements	PB-DR-88-3	City of Delray Beach	\$75,000.00	\$150,000.00
Environmental Boating Education Program	PB-JB-91-15	Town of Juno Beach	\$19,000.00	\$19,000.00
Riverwalk - Phase I I	PB-JU-00-88	Town Of Jupiter	\$500,000.00	\$1,000,000.00
Water Safety Program	PB-JU-00-89	Town Of Jupiter	\$13,445.00	\$17,926.00
Jupiter Riverwalk	PB-JU-02-99	Town Of Jupiter	\$500,000.00	\$1,002,589.00
Bridge Park Plaza	PB-JU-03-106	Town Of Jupiter	\$246,250.00	\$492,500.00
Make Our Waterways Safe (Withdrawn)	PB-JU-06-118	Town Of Jupiter	\$30,000.00	\$95,000.00
Inlet Village Marina	PB-JU-07-123	Town Of Jupiter	\$200,000.00	\$400,000.00
Riverwalk At Harborside - Phase A	· PB-JU-09-137	Town Of Jupiter	\$827,505.00	\$1,655,010.00
Riverwalk At Harbourside - Phase B	PB-JU-10-145	Town Of Jupiter	\$700,000.00	\$1,400,000.00
Safe Waterways	PB-JU-96-43	Town Of Jupiter	\$35,598.00	\$60,858.00
Jupiter Riverwalk - Phase I	PB-JU-99-81	Town Of Jupiter	\$429,025.00	\$1,255,050.00
Bicentennial Park	PB-LA-92-25	Town of Lantana	\$57,000.00	\$114,000.00
Sportsman's Park	PB-LA-93-31	Town Of Lantana	\$152,875.00	\$340,750.00
Lantana Nature Preserve	PB-LA-99-79	Town Of Lantana	\$143,750.00	\$495,000.00
Lake Park Marina Revitalization - Phase III	PB-LP-00-91	Town Of Lake Park	\$542,000.00	\$1,145,000.00
Lake Park Marina Revitalization - Phase I V	PB-LP-01-93	Town Of Lake Park	\$451,000.00	\$902,000.00
Lake Shore Park Seawall Replacement	PB-LP-04-109	Town Of Lake Park	\$187,500.00	\$375,000.00
Lake Shore Park Seawall Replacement	PB-LP-07-124	Town Of Lake Park	\$205,000.00	\$410,000.00
Lake Park Harbor Marina Breakwater-phase I (Withdrawn)	PB-LP-08-130	Town Of Lake Park	\$62,254.00	\$124,508.00
Lake Park Harbor Marina Breakwater-ph I I (Withdrawn)	PB-LP-09-138	Town Of Lake Park	\$349,292.00	\$698,585.00
Lake Park Municipal Marina Basin & Maintenance Dredging	PB-LP-94-32	Town Of Lake Park	\$67,803.00	\$123,752.00
Lake Park Marina Revitalization - Phase I	PB-LP-98-73	Town Of Lake Park	\$150,000.00	\$360,000.00
Lake Park Marina Revitalization - Phase I !	PB-LP-99-80	Town Of Lake Park	\$584,000.00	\$1,168,000.00
Bryant Park Seawall Restoration - Phase A	PB-LW-07-125	City Of Lake Worth	\$802,007.00	\$1,604,014.00
Bryant Park Boat Ramp Imp. & Bulkhead Repairs - Phase I	PB-LW-95-39	City Of Lake Worth	\$13,000.00	\$26,000.00
Bryant Park Boat Ramp Improvements - Phase II	PB-LW-96-42	City Of Lake Worth	\$180,000.00	\$360,000.00
Lakeside Park	PB-NPB-06-119	Village Of North Palm Beach	\$150,000.00	\$300,000.00
Anchorage Park Improvements	PB-NPB-08-131	Village Of North Palm Beach	\$200,000.00	\$700,000.00
Lakeside Park	PB-NPB-90-11	Village of North Palm Beach	\$53,000.00	\$106,000.00
Shoreline Protection Project - NPB Country Club	PB-NPB-92-21	Village of North Palm Beach	\$24,400.00	\$48,800.00
Shoreline Protection Program	PB-NPB-95-41	Village Of North Palm Beach	\$370,500.00	\$741,000.00
Waterways Patrol And Rescue Vessel	PB-NPB-98-70	Village Of North Palm Beach	\$30,411.00	\$44,078.00

# FLORIDA INLAND NAVIGATION DISTRICT WATERWAYS ASSISTANCE PROGRAM PROJECTS IN PALM BEACH COUNTY 1986-2012

# FLORIDA INLAND NAVIGATION DISTRICT WATERWAYS ASSISTANCE PROGRAM PROJECTS IN PALM BEACH COUNTY 1986-2012

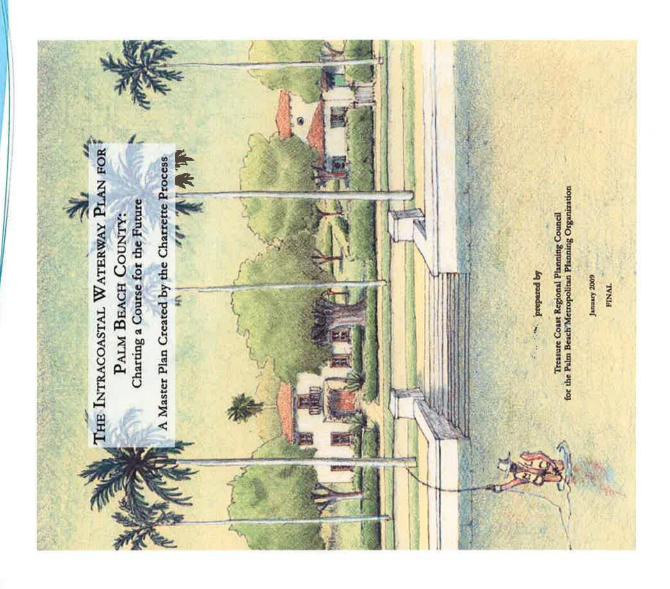
Renovation Of Fishing Pier @ 54th Street Park	PB-WPB-93-30	PB-WPB-93-30 City Of West Palm Beach	\$36,475.00	\$72,950.00
Jowntown Waterfront Park ( Project Expired)	PB-WPB-95-40	PB-WPB-95-40 City Of West Palm Beach	\$37,500.00	\$75,000.00
Docks For Environmental Education Project	PB-WPB-97-61	PB-WPB-97-61 City Of West Palm Beach	\$135,882.00	\$150,980.00
P.B. Maritime Museum Dock Extension & Building	PB-WPB-98-69	PB-WPB-98-69 City Of West Palm Beach	\$137,550.00	\$183,400.00

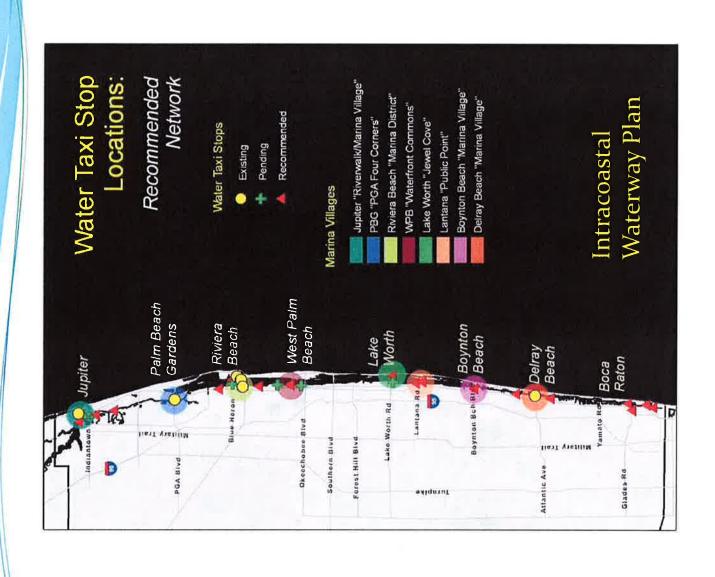
TOTALS \$22,112,148.00 \$57,150,634.75

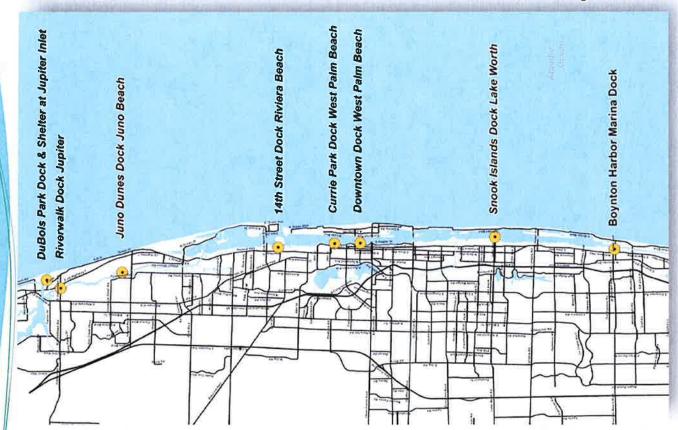


# Palm Beach County Water Taxi Docks

July 2012







# Marer Taxi Do Vareer Taxi Do



# Water Taxi Dock Locations DuBois Park to Donald Ross Road Existing and Other Landmark Locations

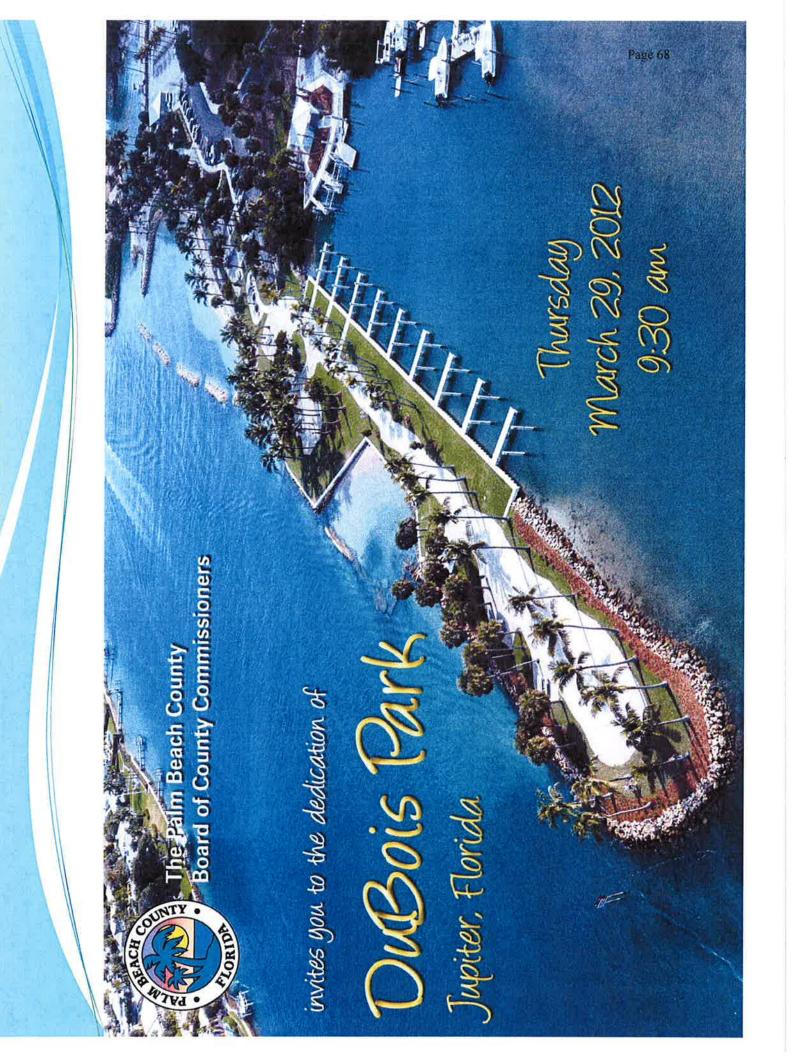
DuBois Park Dock & Shelter at Jupiter Inlet Juno Dunes Dock Juno Beach Riverwalk Dock Jupiter



• Water Taxi Generalized Locations

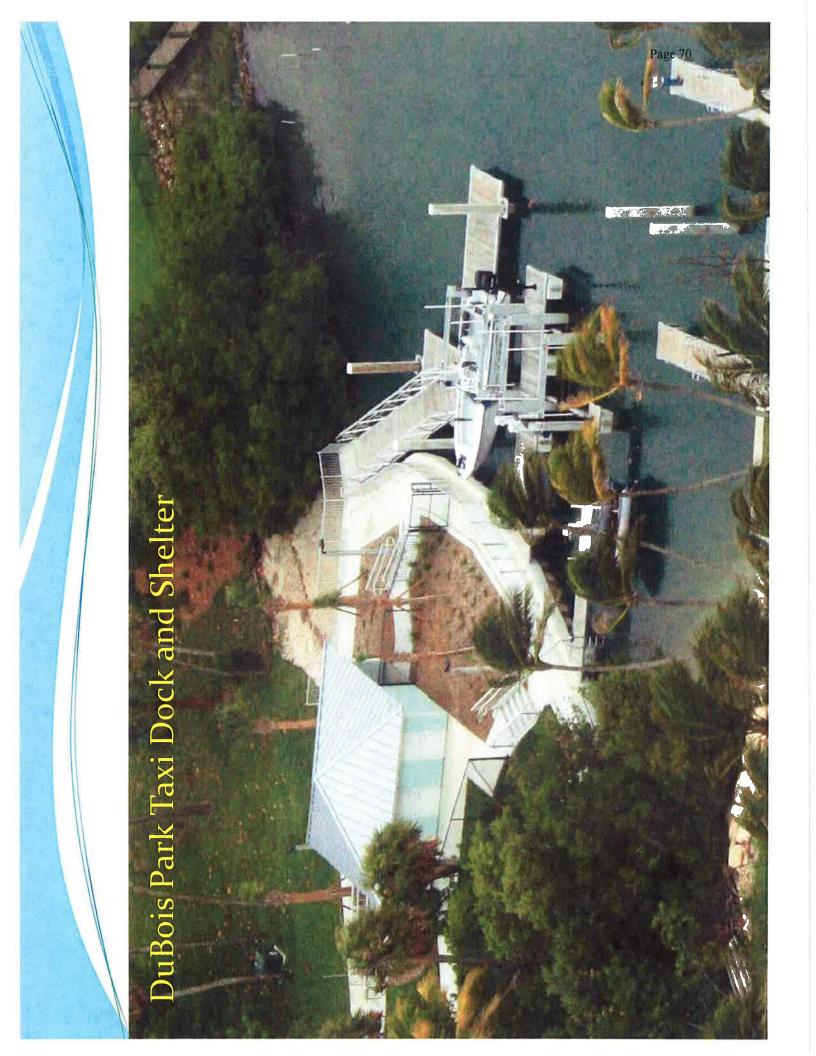
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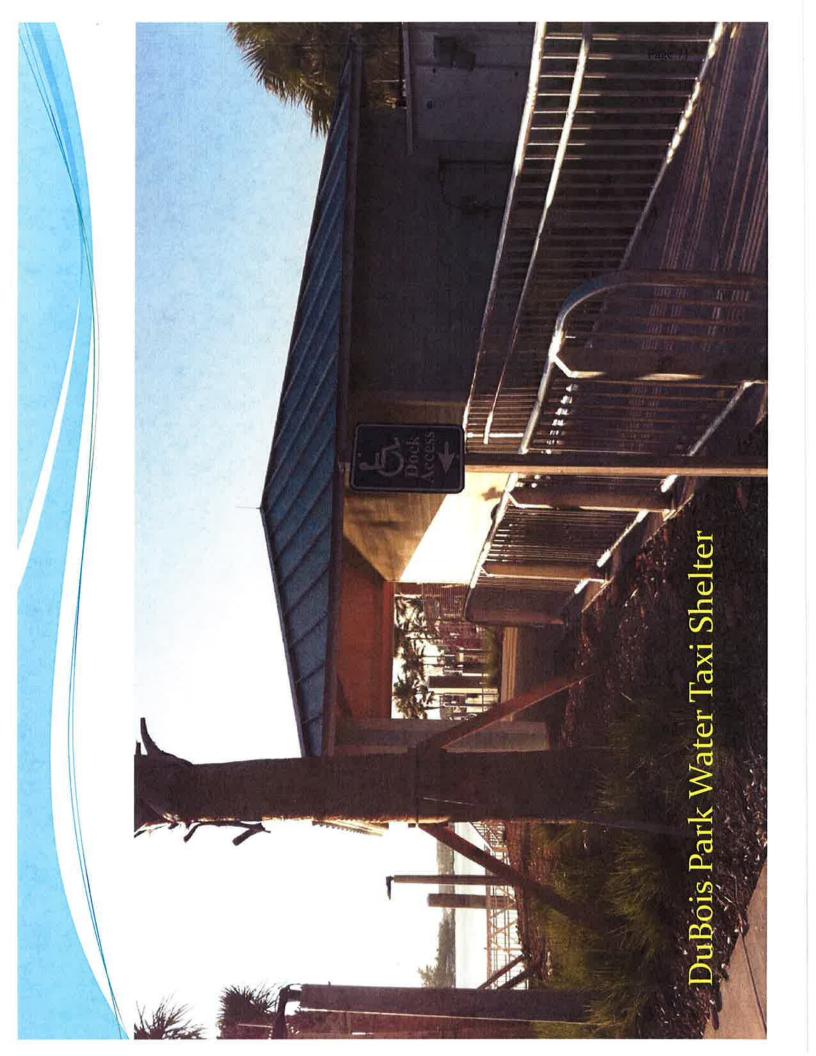
Other Locations

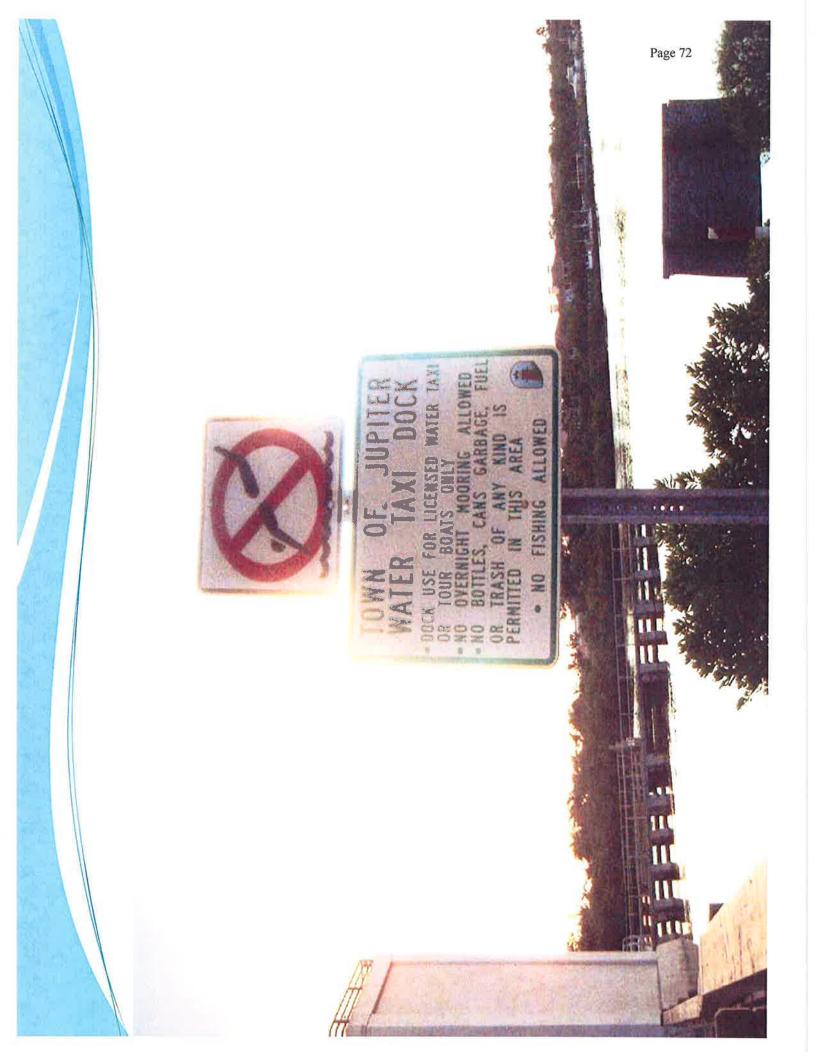


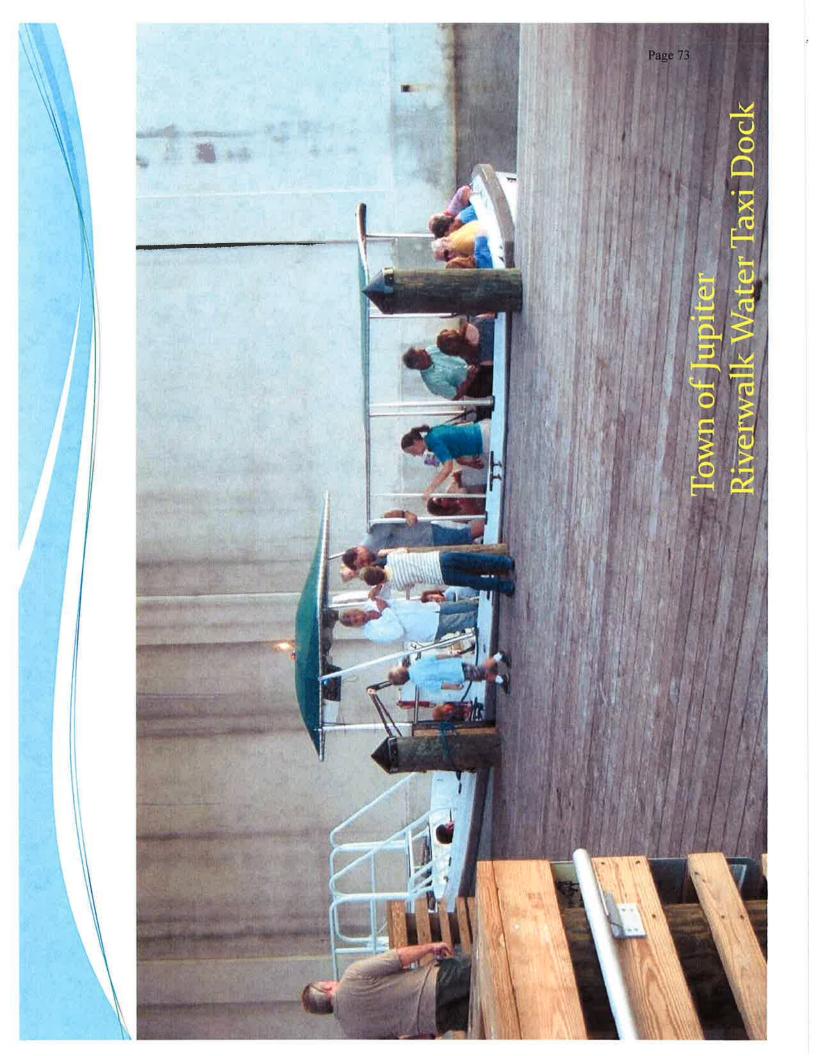


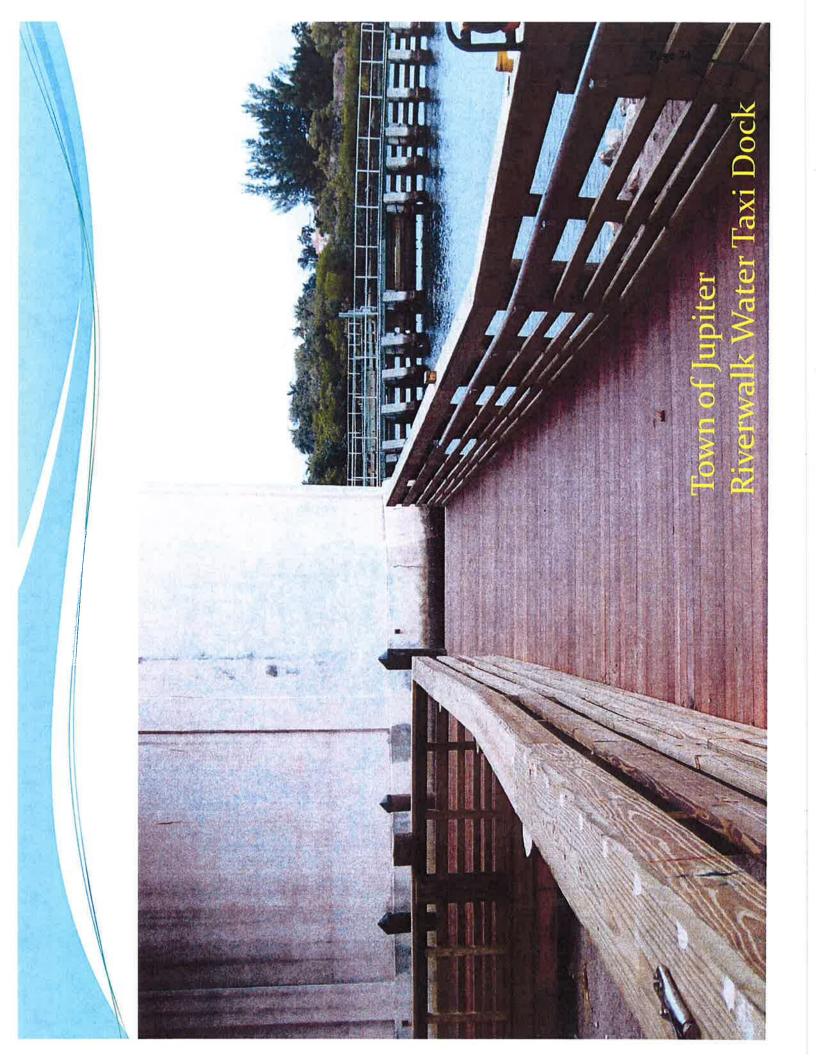


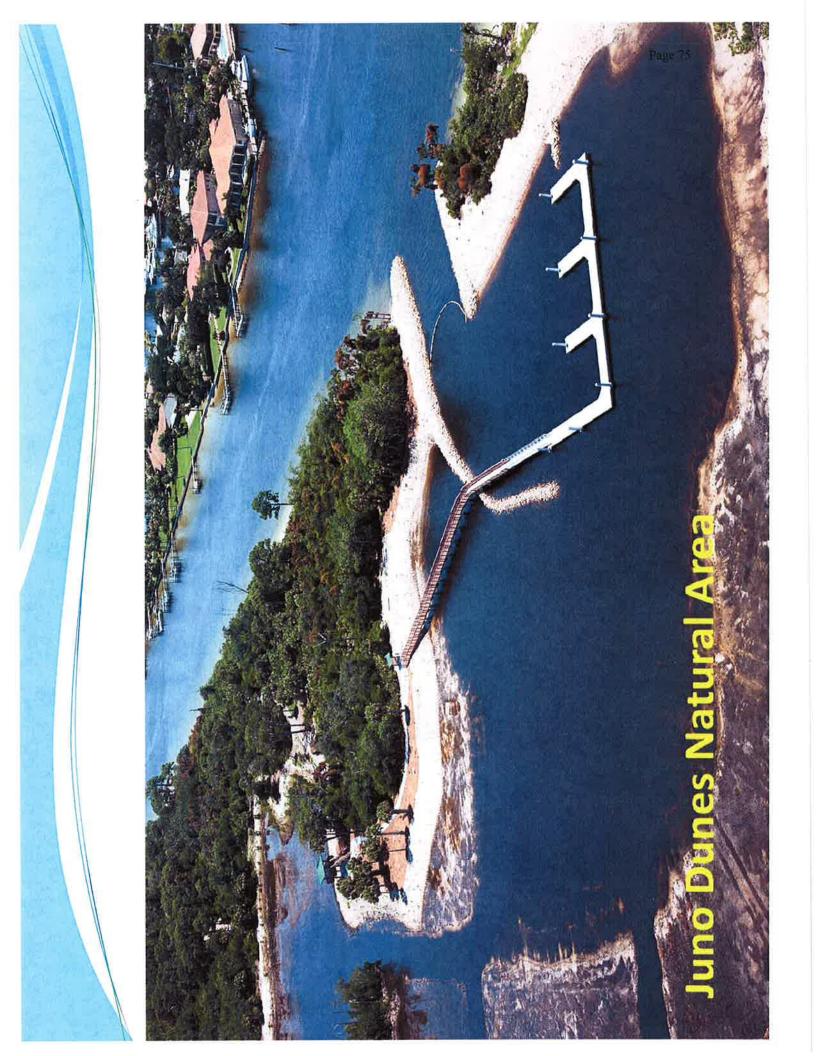


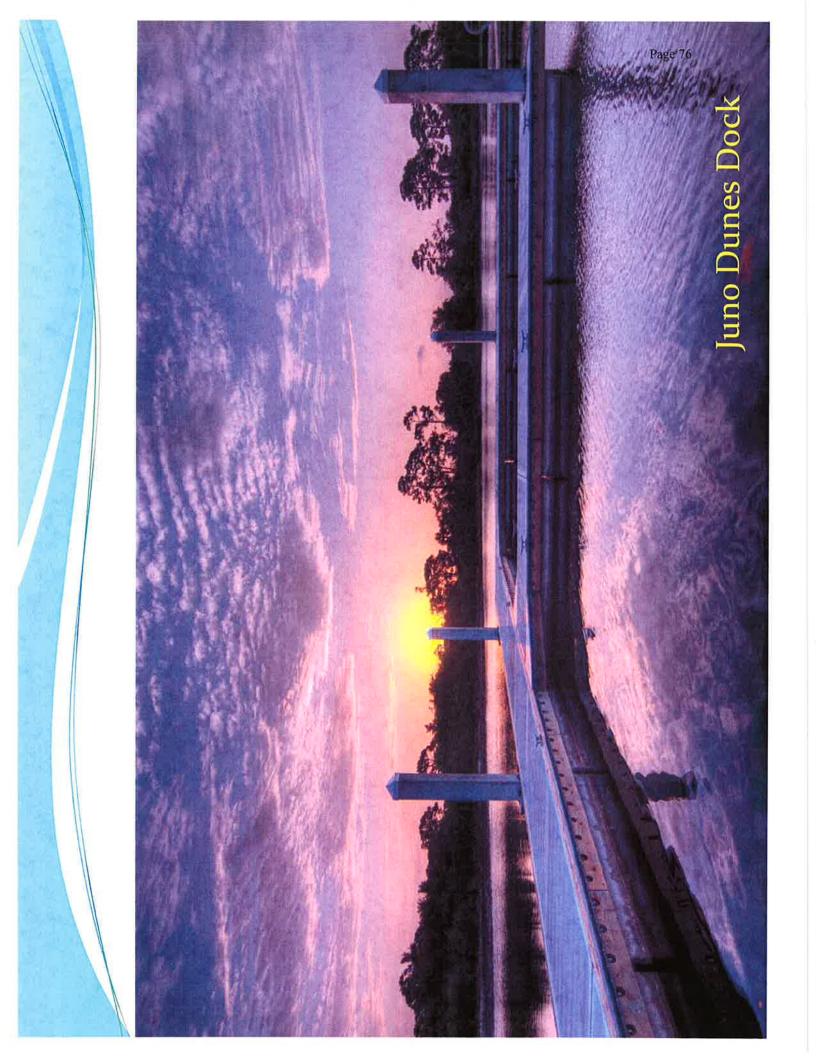






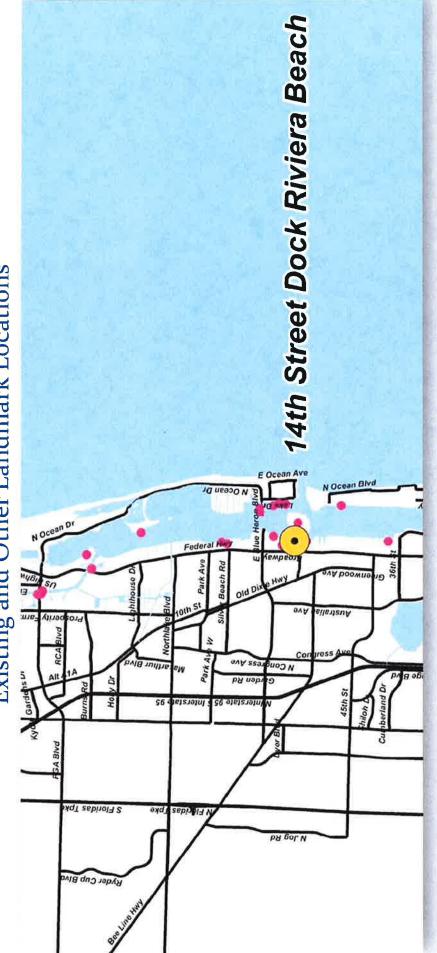






# later Taxi Dock Locati

PGA Blvd to 45<sup>th</sup> Street Existing and Other Landmark Locations





Water Taxi Generalized Locations

Legend:

Other Locations



# GROUNDBREAKING

CEREMONY

Marina Phase 1 **Bulkhead & Docks** Thursday, July 14, 2011

5:00 p.m.-7:00 p.m.

Newcomb Hall, 200 East 13th Street



Riviera Beach Marina Redevelopment Project, Phase 1

Major Business Partners Include:

O Department of Environmental Protection (DEP)

§ Florida Fish & Wildlife Conservation Commission

Florida Inland Navigation District (FIND)

**O Palm Beach County Board of County Commissioners** Palm Beach County Staff  Palm Beach Metropolitan Planning Organization (MPO) O United States Army Corps of Engineers

# GROUNDBREAKING CEREMONY

Marina Redevelopment, Phase 1— Bulkhead & Docks

Master of Ceremony

Edwin Legue, Riviera Beach Marina Director 

Welcome

Honorable Thomas A. Masters, Mayor

Invocation & Blessing

St. Francis of Assisi Catholic Church Rev. Arthur Obin, OMI

Occasion Honorable Judy L. Davis, City Council Chair

County, State, & Federal, Elected Officials

Honorable Dawn S. Pardo, Councilwoman **Acknowledgment of Project Funders** 

Remarks

**Project Funders** 

Tony T. Brown, Ex. Dir.—Riviera Beach CRA Riviera Beach Mayor & City Council

"Turning of the Soil" Ceremony Logistics

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Ruth C. Jones, City Manager

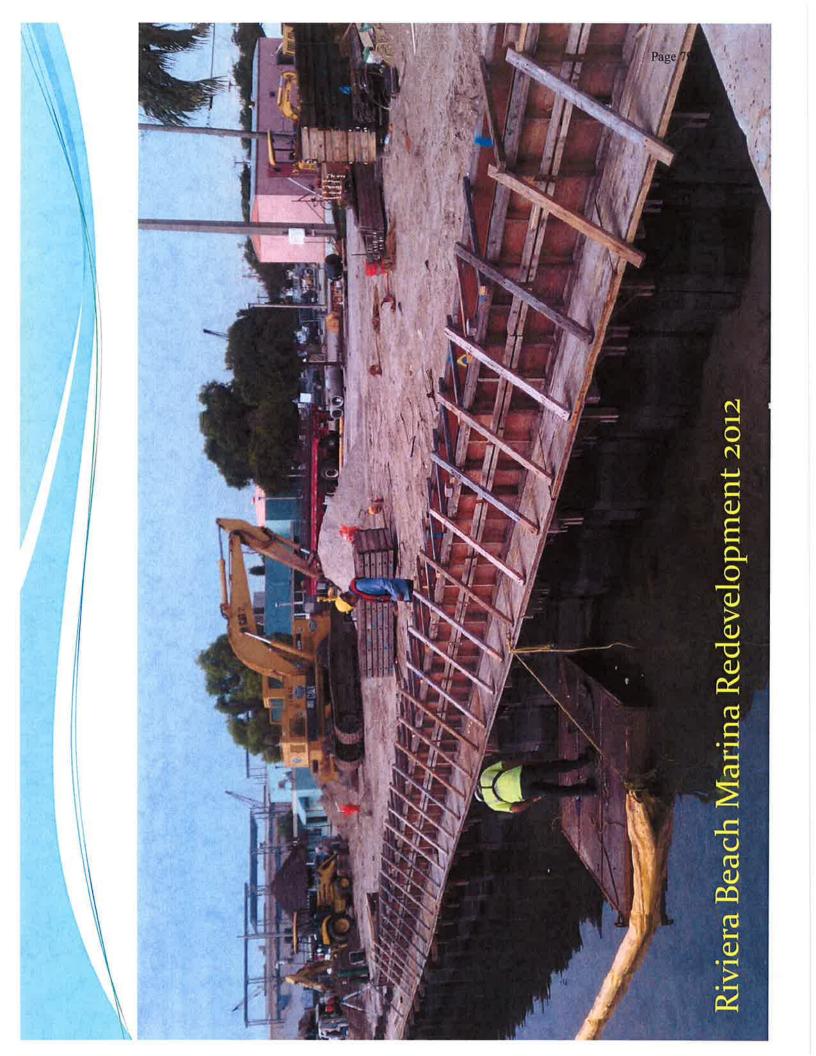
Thank you for continued support to the City of Riviera Beach.. Thomas A. Masters, *Mayor* 

CITY COUNCIL

O Judy L. Davis, Chair O Cedrick A. Thomas

O Billie E. Brooks, Chair Pro Tem O Shelby L. Lowe ♦ Dawn S. Pardo

Coming Soon—MARINA REDEVELOPMENT, PHASE 2



# **Nater Taxi Dock Locations** Currie Park to Downtown WPB

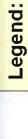
Existing and Other Landmark Locations

Currie Park Dock West Palm Beach

Downtown Dock West Palm Beach

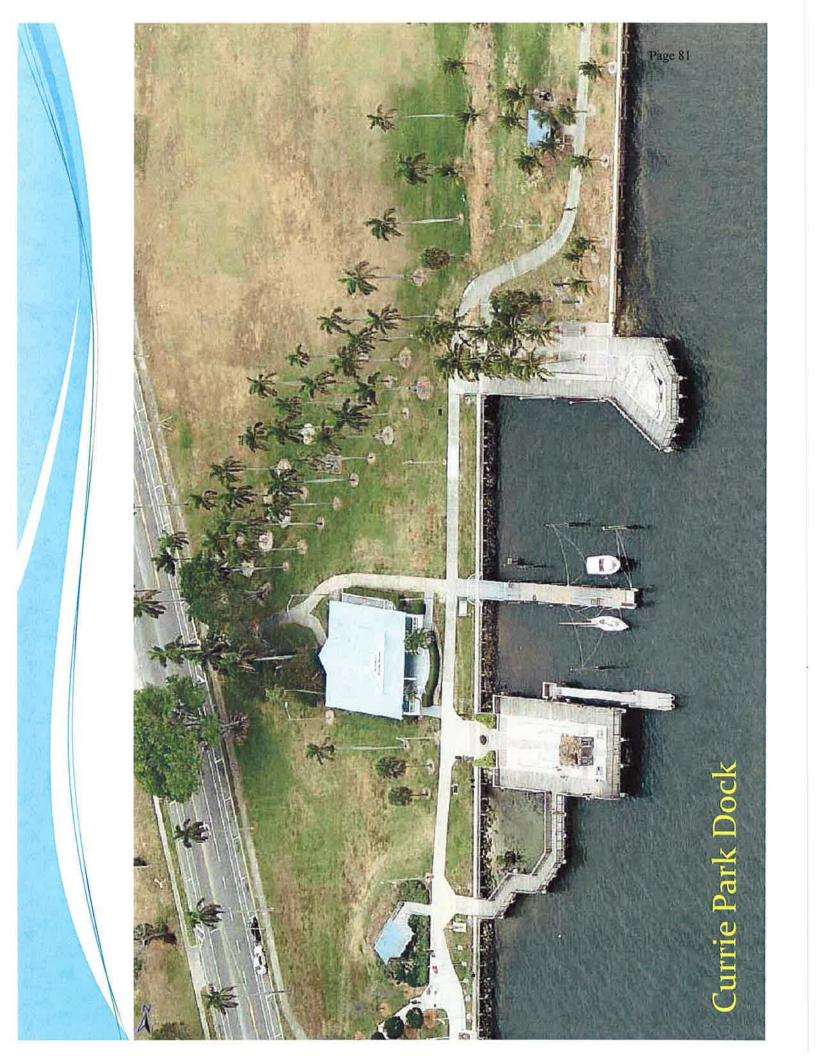


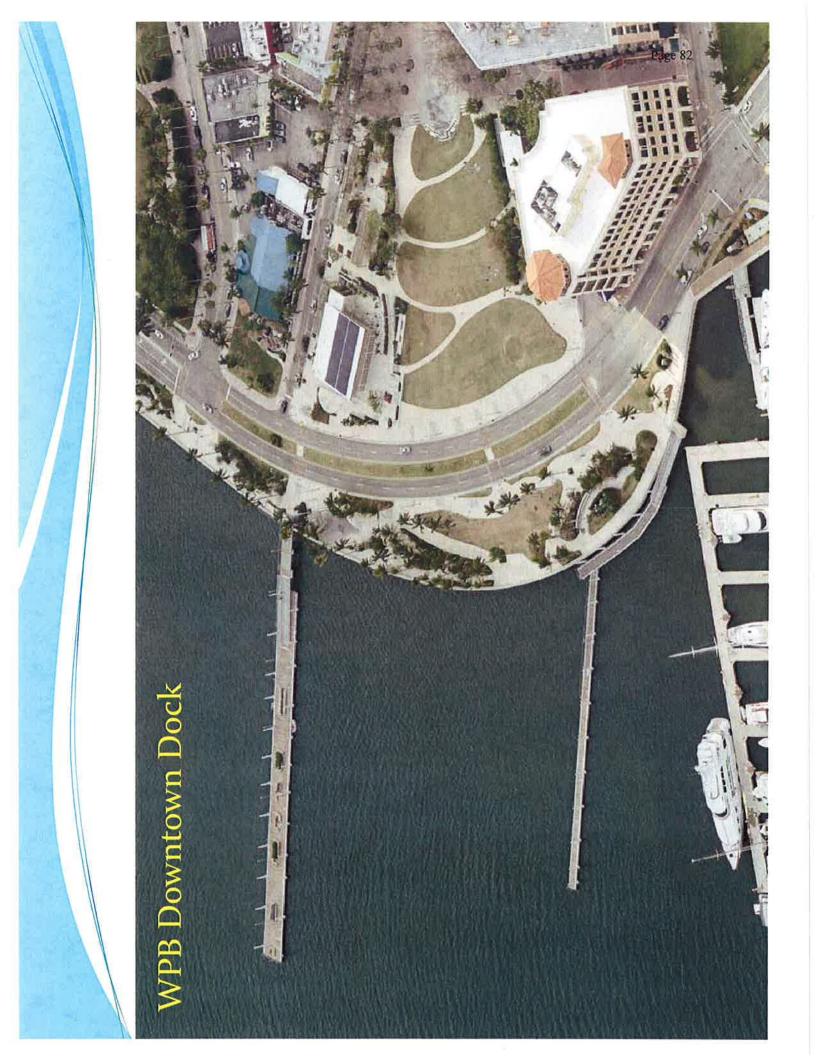


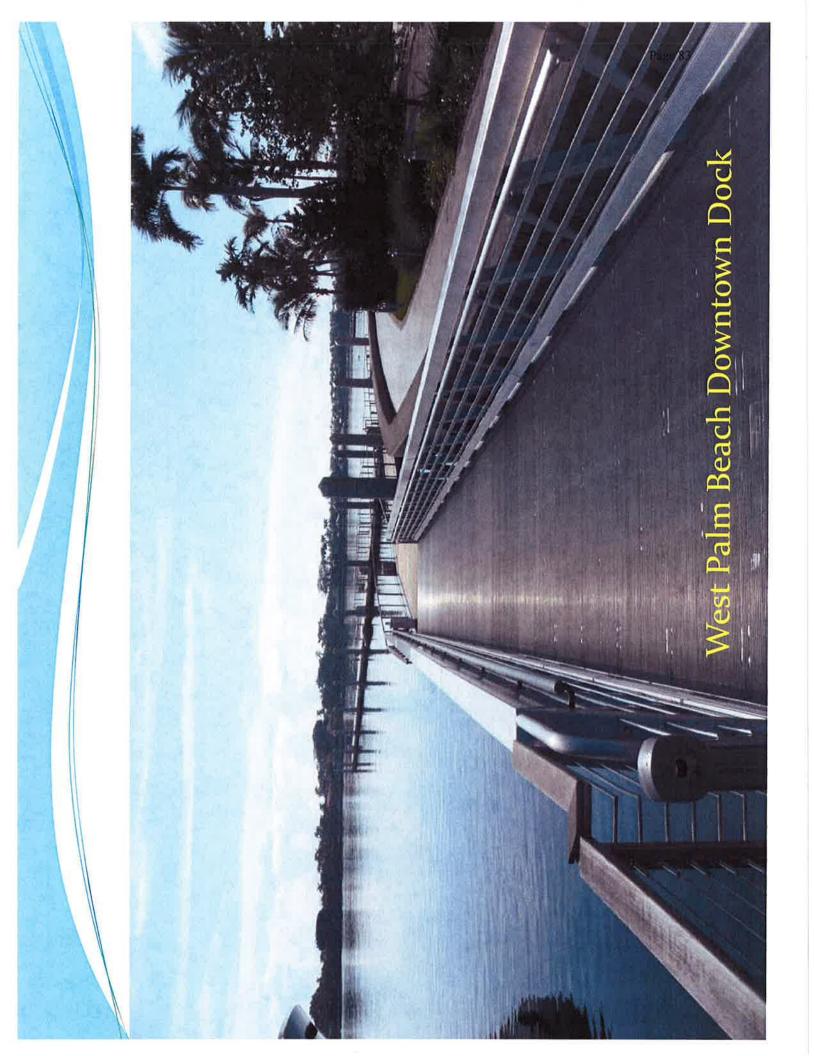


Water Taxi Generalized Locations

Other Locations

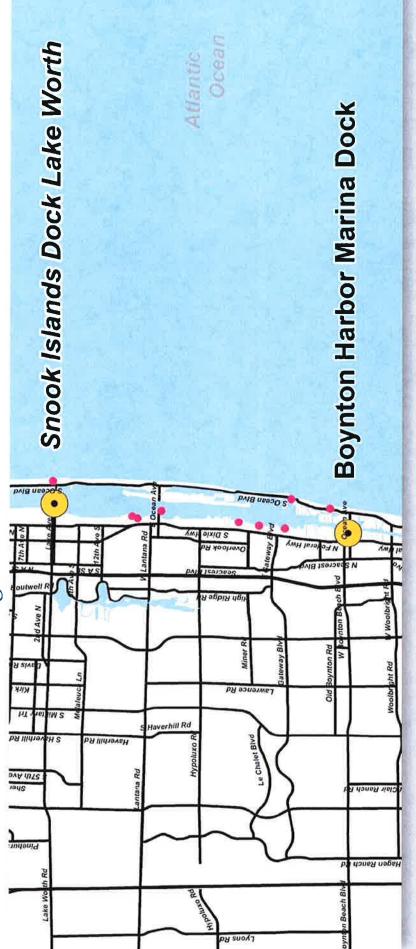






# Water Taxi Dock Locations Snook Island LW to Boynton Beach Blvd

Existing and Other Landmark Locations



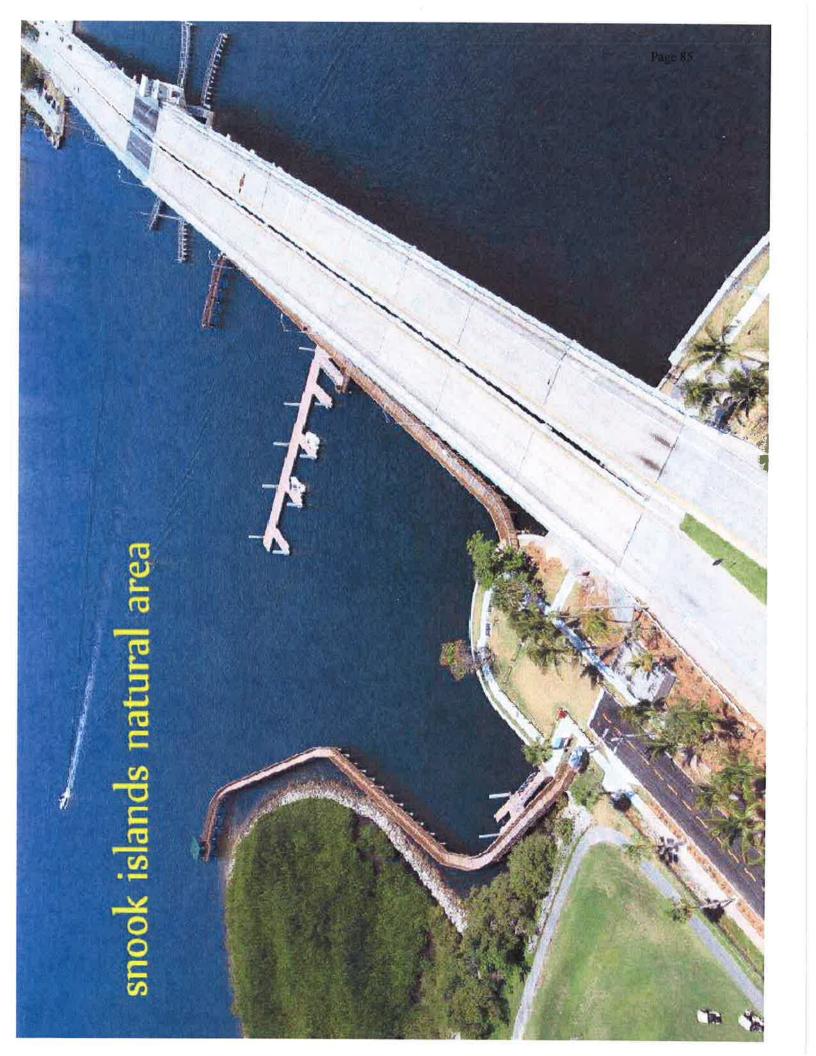


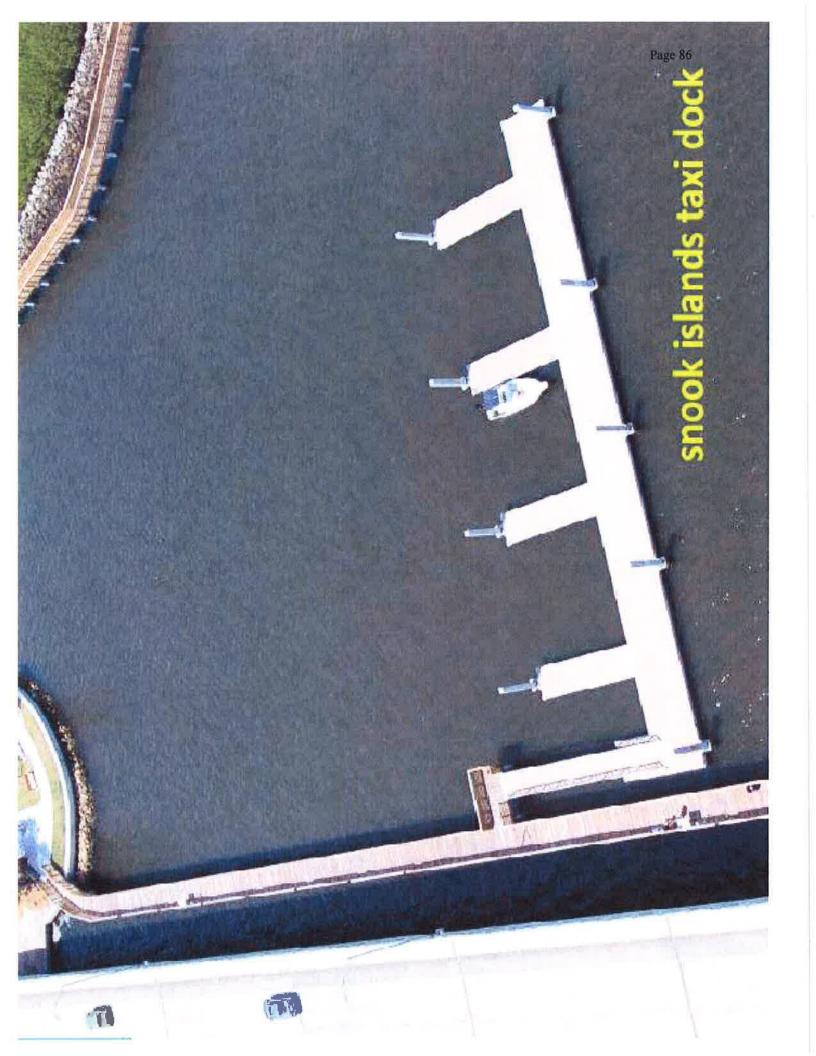
Page 84

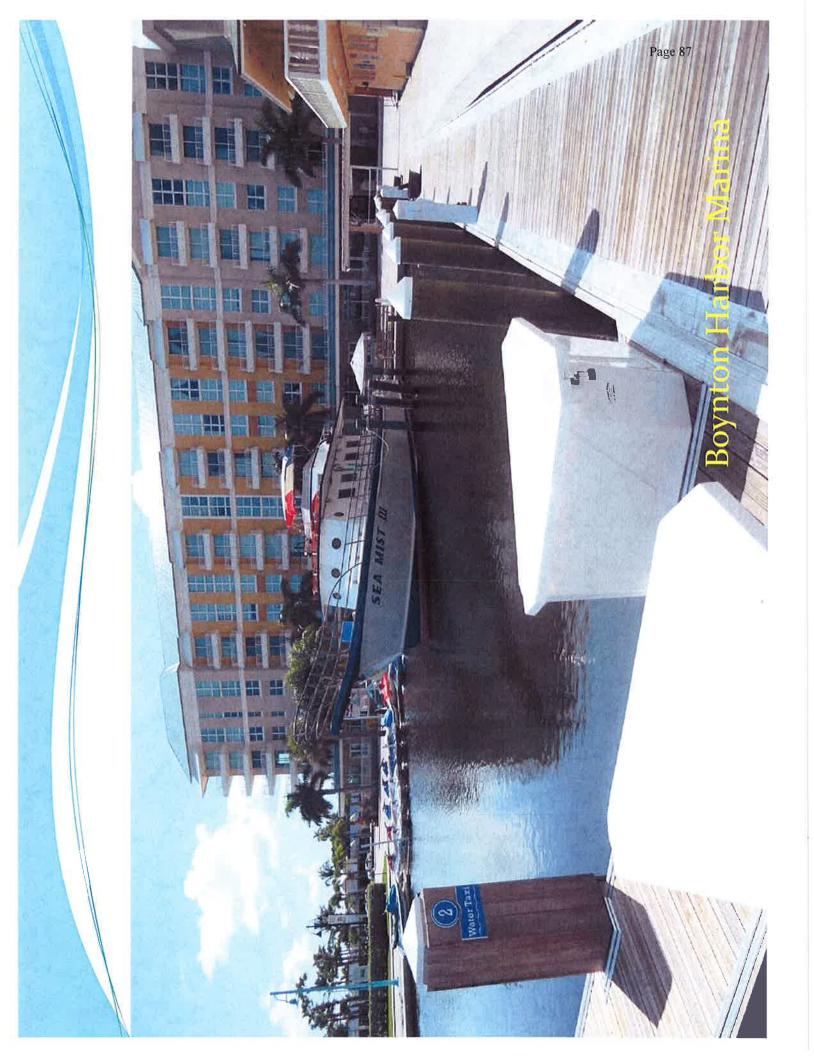
Water Taxi Generalized Locations

Legend:

Other Locations









# Juestions/Discussion

# Project Contacts:

Boynton Harbor Marina - Boynton Beach CRA Michael Simon, Development Director Simonm@bbfl.us 561-737-3256

Christine Thrower, Director of Parks & Recreation Currie Park - City of West Palm Beach CThrower@wpb.org 561-804-4900

Christine Thrower, Director of Parks & Recreation Downtown WPB - City of West Palm Beach CThrower@wpb.org 561-804-4900

DuBois Park - PBC Parks & Recreation Jean Matthews, Project Manager [Matthews@pbcgov.org 561-966-6652

Juno Dunes – Palm Beach County ERM Harvey Rudolph, Project Manager

561-233-2447

Hrudolph@pbcgov.org

Brenda Arnold, Project Manager Riverwalk - Town of Jupiter 561-741-2261

Brendaa@jupiter.fl.us

Riviera Beach Marina - City of Riviera Beach Edwin Legue, Marine Director Edwinlegue@yahoo.com 561-845-3408

Snook Island - Palm Beach County ERM David Carson, Project Manager Dcarson@pbcgov.org 561-233-2442

Palm Beach Metropolitan Planning Organization Angela Morlok - Principal Planner

Amorlok@PalmBeachMPO.org 561-684-4170

# **RESOLUTION NO. 2012-05**

# A RESOLUTION OF THE BOARD OF COMMISSIONERS OF FLORIDA INLAND NAVIGATION DISTRICT, DELEGATING CERTAIN AUTHORITIES TO THE EXECUTIVE DIRECTOR (OR, IN HIS/HER ABSENCE, THE ASSISTANT EXECUTIVE DIRECTOR)

**WHEREAS**, the Board of Commissioners of the Florida Inland Navigation District (the "Board") is the administrative and policy making body of the Florida Inland Navigation District (the "District") pursuant to s.374.983 and 374.984, F.S.; and

WHEREAS, the Board has determined that the delegation of certain routine administrative functions to the District's Executive Director will facilitate more effective and efficient administrative operations.

**NOW, THEREFORE**, be it resolved by the Board of Commissioners of the Florida Inland Navigation District:

- Section 1. The Board hereby delegates certain routine administrative functions to the District's Executive Director as described in the attached revised Exhibit "A" (the "Delegation").
- Section 2. The Executive Director will report to the Board monthly on the Delegations that he/she approves.
- Section 3. In the event that the Executive Director is on vacation or is otherwise absent from the office for a period of five (5) or more consecutive business days, the administrative functions described in the attached Exhibit "A" are delegated by the Board to the Assistant Executive Director until the earlier of: the return of the Executive Director or the Board taking further action.
- Section 4. This Delegation will be reviewed annually by the Board in conjunction with the development and approval of the annual District budget.
  - Section 5. This Resolution shall become effective upon adoption.

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Upon motion by Commissioner	and seconded by Commissioner, the
Board approved the Resolution as follow	
**	
S. Norman Bray	
Aaron Bowman	
J. Carl Blow	
Jon Netts	
Nancy Freeman	
Jerry H. Sansom	
Bruce D. Barkett	
Gail Kavanagh	
Donald J. Cuozzo	
Donn R. Colee, Jr.	
-	
Tyler Chappell	
Spencer T. Crowley	
	resolution duly passed and adopted this day of
September, 2012.	
	FLORIDA INLAND NAVIGATION
	DISTRICT
	By:
	Donn Colee, Jr., Chair
APPROVED AS TO FORM AND	
LEGAL SUFFICIENCY	
By:	
Peter Breton	
Attorney for Florida Inland	
Navigation District	

M:\DAVID\FIND\ADMIN\DELEGATIONS\RESOLUTION 2012-13 DOC

# **EXHIBIT "A"**

# FLORIDA INLAND NAVIGATION DISTRICT BOARD OF COMMISSIONERS DELEGATIONS OF AUTHORITY TO THE EXECUTIVE DIRECTOR

# Agreements

Execute Agreements for projects approved by the Board such as but not limited to the following:

- 1) Assistance Program Agreements
- 2) Assistance Program Agreement Modifications
- 3) Construction, Engineering, or Environmental Services Agreements

# Leases

Execute lease agreements on District properties for the following uses:

- 1) Storage of equipment or construction material/supplies
- 2) Placing 1,000 cyds. or less of dredged material on the site in accordance with the District's standard use agreement
- 3) Removing 20,000 cyds. or less of dredged material from a site for public purposes
- 4) Leases approved by the Board or the Land Acquisition and Management Committee.
- 5) Leases with minor non-substantative amendments that have been reviewed and approved by the District's general counsel and which have been previously approved by the Board or the Land Acquisition and Management Committee.

# **Financial Issues**

- 1) Approve expenditures of \$3,000.00 or less for administration purposes
- 2) Approve expenditures of \$10,000.00 or less for land acquisition and management and dredging related services
- 3) Execute financial reports to the State that have been approved by the Board or that provide financial information from a Board-approved financial audit
- 4) Execute resolutions for the purchase of certificates of deposit with state approved and qualified banks and institutions.
- 5) Authorize the designation of fund balance categories for the financial statements.

# **Bids**

- 1) Reject bids for projects where there was only one bidder and/or the bid(s) was 25% above the construction estimate
- 2) Award bids of \$10,000.00 or less

# **Permit Issues**

- 1) Sign permit applications for Board-approved construction projects on District properties
- 2) Issue Letters of No Objection to permitting agencies when neighboring projects affect District properties

# Travel

1) Authorize travel and make decisions about the most economical method of travel in accordance with s.112.061, F.S. for staff and commissioners.

# Other

Execute the following:

- 1) Emergency contracts of \$20,000.00 or less
- 2) Contracts of all types meeting the above referenced dollar thresholds
- 3) Equipment leases
- 4) Approve contract change orders totaling up to ten (10) per cent of the initially executed contract value with the concurrence of the Chair
- 5) Approve change orders exceeding ten (10) per cent of the initially executed contract value but not more than 20% of the initially executed contract value if there is a finding by the Engineer, the District's Executive Director and the District's Chair that a delay in approving the change order will result in significant negative financial, environmental, or health safety and welfare impacts that could be avoided by a prompt approval

# ALCALDE & FAY

GOVERNMENT & PUBLIC AFFAIRS CONSULTANTS

# August 31, 2012

# MEMORANDUM

TO:

David Roach, Executive Director

Mark Crosley, Assistant Executive Director

FROM:

Jim Davenport

**SUBJECT:** Federal Legislative Report

Congress is in recess and will return on September 10<sup>th</sup>. There are only 13 days of partial-to-full legislative activity planned for the months of September and October, with Congress set to go back into recess on October 5<sup>th</sup> so members can return to their states to campaign. Members are set to return to Capitol Hill on November 13<sup>th</sup> to finish up legislative work for 2012.

Leaders in the House and Senate have agreed to vote in September on a continuing resolution (CR) that will fund Federal government operations and programs at Fiscal Year (FY) 2012 levels through March 30, 2013. The specifics of the CR continue to be worked out by the House and Senate Appropriations Committees, but we anticipate that it will be a "clean" bill with no major policy or funding amendments attached to it.

While the CR will postpone FY 2013 Energy and Water Appropriations legislation, it is conceivable that the House and Senate Appropriations Committees will begin conference negotiations on the legislation later this year. Therefore, we will continue working with the Energy and Water Appropriations Subcommittee staff to obtain funding that would support inland waterway maintenance.

If you have any questions, please let us know.

# SJ-14 RESTORATION ACTIONS As of September, 2012

- 1. Fine Paid
- 2. Topographic Surveys Completed and submitted. The 2009 topographic survey, combined with the results of the Taylor Engineering and Oren Reedy, P.G. 50-ft grid soil data collection effort, indicated relatively few pockets of dredged sediment remaining in the spill area.
- 3. UMAM Analysis Completed and approved for impact, restoration and one mitigation areas.
- **4. Sediment Removal -** Sediment Remediation Plan completed and approved. No further removal expected if salinities levels continue to fall. Berm removal at county ballfields has been completed.
- **5. Arsenic and Salinity Sampling** Completed and approved. No remediation actions are required for minor elevations of arsenic and recommendation of natural attenuation for the elevated salinity levels accepted.
- **6. Hydrologic Restoration** Plan has been completed, approved, and built.
- 7. Vegetative Survey Survey has been completed and approved.
- **8. Restoration Planting** On hold until salinities have been decreased below 0.6 ppt. Some test planting can occur if salinities fall below 0.8 ppt.
- 9. Nuisance/Exotic Removal Removal plan completed and will be implemented prior to restoration planting.
- **10. Monitoring** Salinity monitoring ongoing. Vegetation monitoring will initiate after restoration planting.
- 11. Success Criteria-On hold pending Restoration Planting and Nuisance/Exotic Removal
- **12. Mitigation** Two mitigation banks submitted for approval and only one approved at this time.
- 13. Operation Changes to the Site Operation Plan have been drafted, submitted and accepted.

# Florida Inland Navigation District

# **DMMA SJ-14 Spill Related Costs**

# PAID TO DATE

- 1. Taylor Engineering Work Order No. 08-11 \$34,999.70 Assessment and testing per Consent Order, see attached Work Order.
- Taylor Engineering Work Order No. 08-12 \$3,729.00
   Hydrologic Improvement Feasibility per Consent Order, see attached Work Order.
- 3. Taylor Engineering Work Order No. 09-04 \$41,336.48 Salinity and water level monitoring, topographic survey and FDEP coordination, see attached Work Order
- 4. Taylor Engineering Work Order No. 09-05 \$71,990.88

  Project management, field work coordination, sediment remediation plan, vegetative and hummock survey, bid package and construction administration per Consent Order, see attached Work Order.
- 5. Taylor Engineering Work Order No. 09-06 \$62,652.40
  Arsenic and salinity sampling and hydrologic restoration plan per consent Order and FDEP direction, see attached Work Order.
- 6. Taylor Engineering Work Order No. 10-09 \$35,918.25 Salinity and Water level monitoring per Consent Order, see attached Work Order.
- 7. Fleming Island Landscapes \$205,333.26
  This for 22 months of dewatering of the perimeter ditch to keep saline water from overflowing into the wetlands, one month invoice attached.
- 8. Santa Cruz Construction \$94,707.29

  This cost was to dewater the containment basin to try to reduce any salt impacts to adjacent wetlands and keep containment basin from overtopping. Contract and final invoice attached.

9. Legal Fees

\$66,823

Legal fees on this issue on this matter in 2009, 2010, and through July of 2012, see attached budget sheets.

10. 2012 Cleanup, engineering and monitoring expenses

\$48,825

**SUB-TOTAL** 

\$666,315.26

# **TO BE PAID**

10. Purchase of Mitigation Credits

\$1,527,500-\$1,818,700

2 bids received, see attached. Mitigation is a requirement of the Consent Order.

11. Spill Area Planting

\$100,000

This is an estimated cost to plant the primary impact area.

12. Spill Area Monitoring & Maintenance

\$250,000

This is an estimated cost for 10 years of monitoring per Consent Order.

**SUB-TOTAL** 

**\$1,877,500-\$2,168,700** 

**TOTAL** 

\$2,543,815.26-\$2,835,015.26

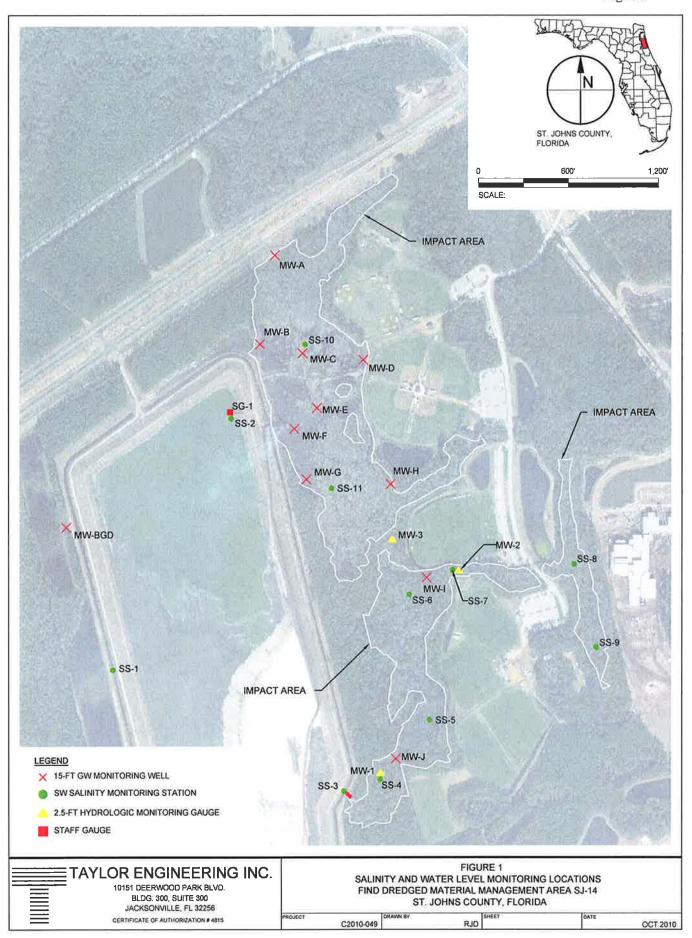


TABLE 1 FIND SJ-14 GROUNDWATER SALINITY AND WATER LEVEL MONITORING: SEPTEMBER 2010 - APRIL 2012

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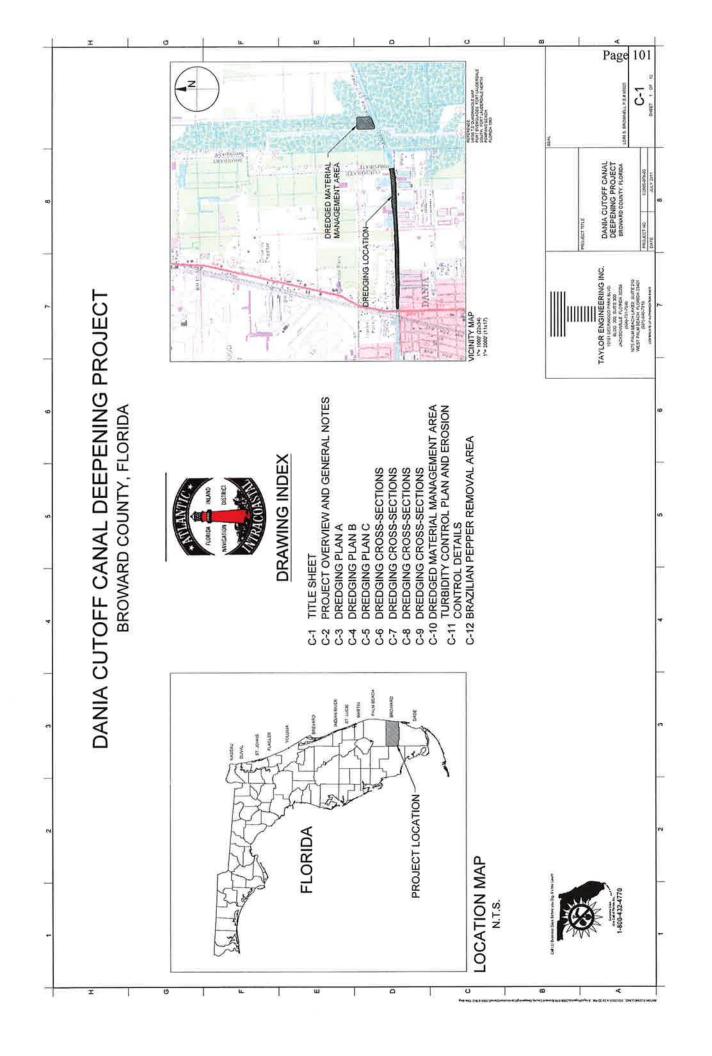
TABLE 2 FIND SJ-14 SURFACE WATER SALINITY AND WATER LEVEL MONITORING: SEPTEMBER 2010 - APRIL 2012

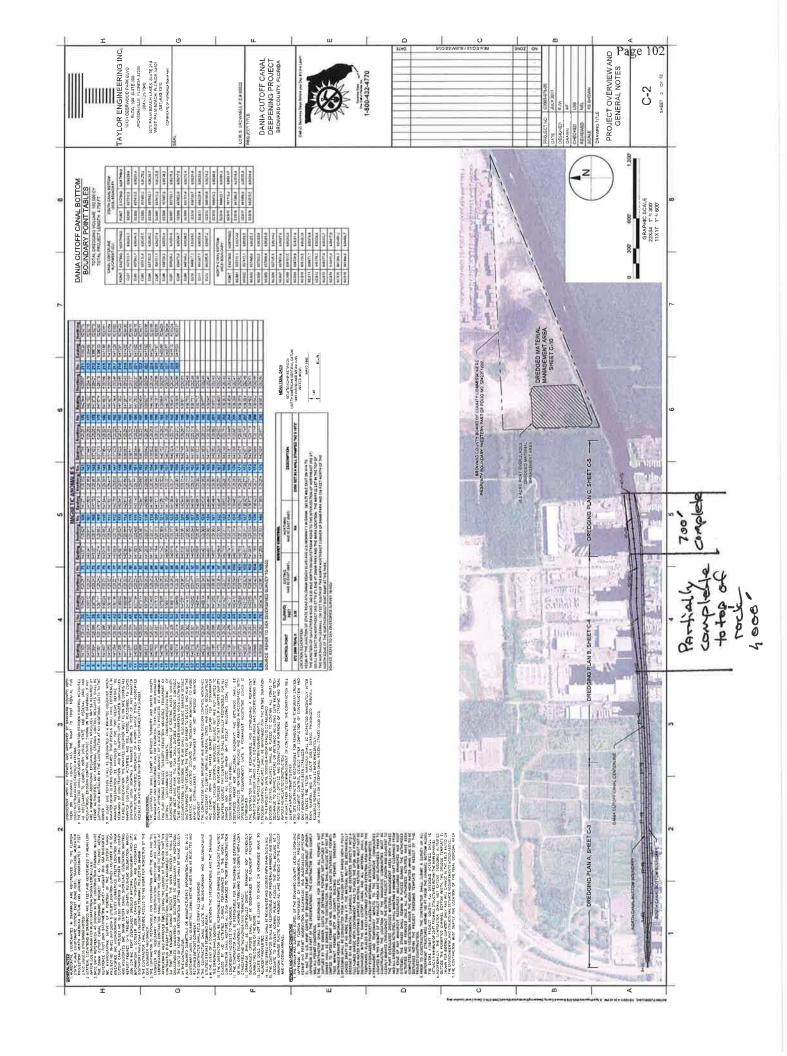
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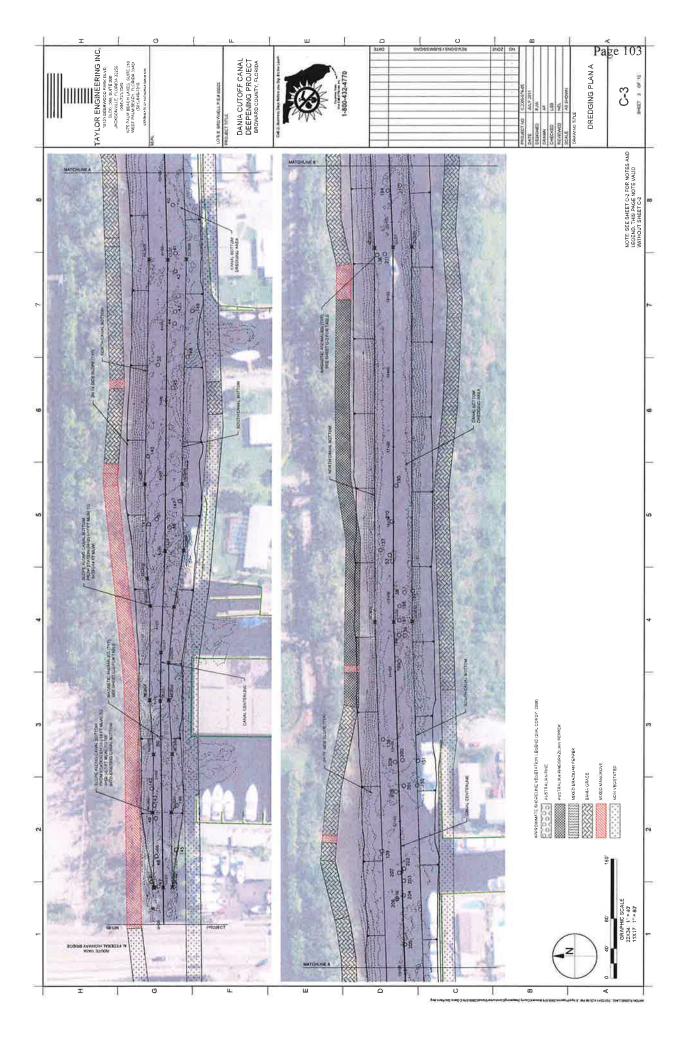
\* Positive values indicate water levels above the ground surface and negative values indicate water levels below the ground surface.

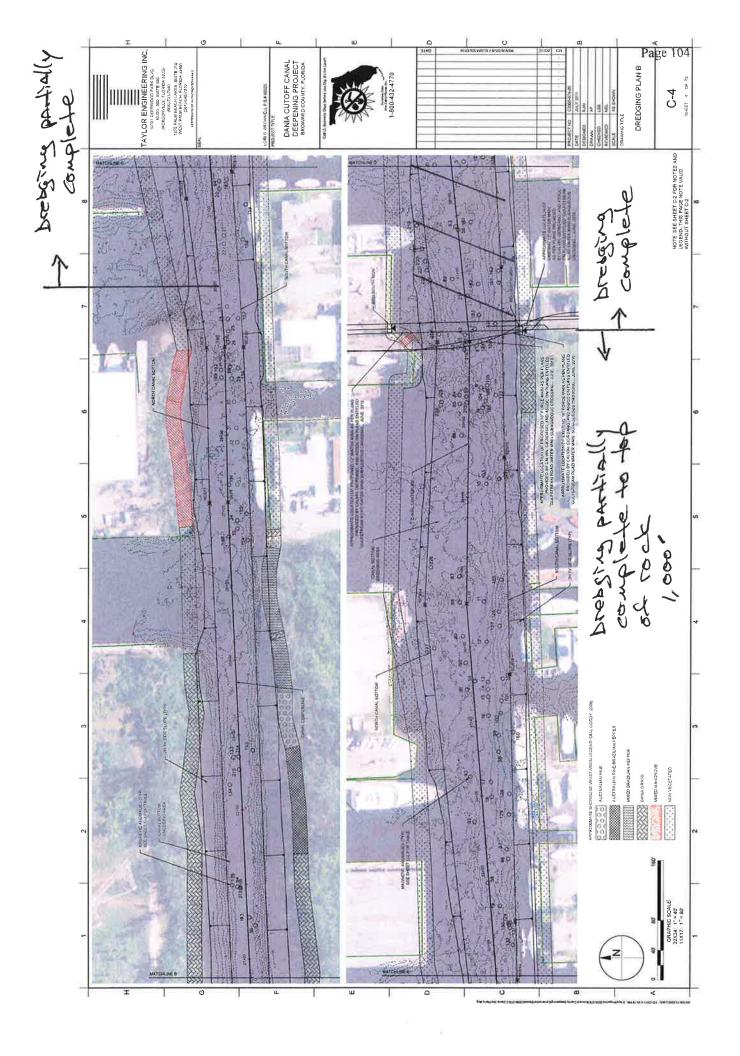
\*\* ND = No data collected due to dry conditions.

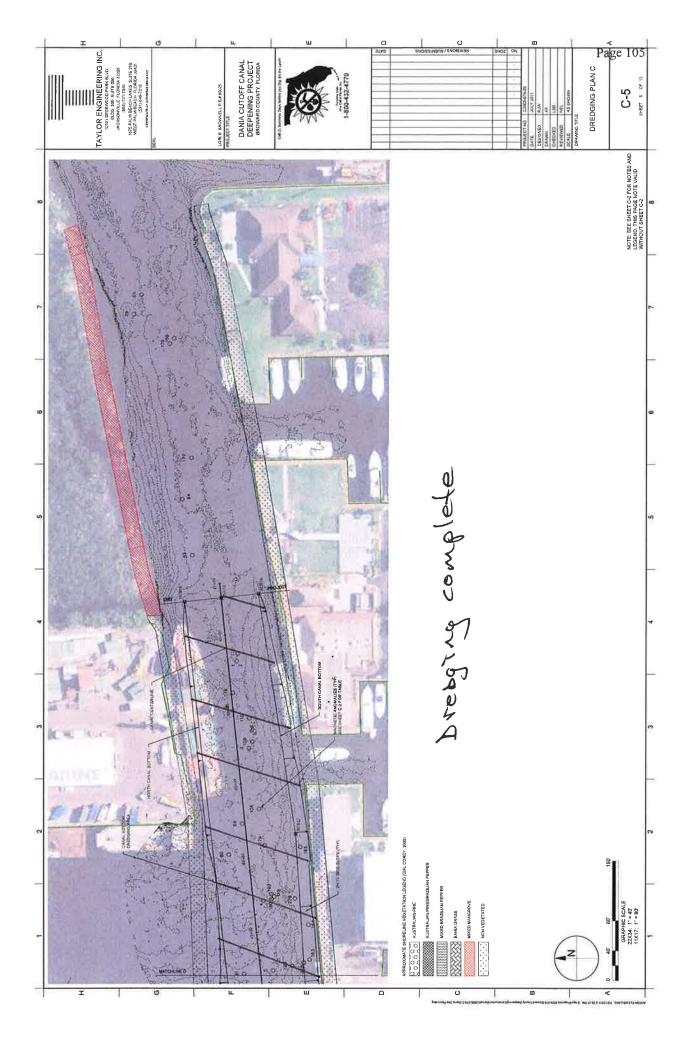
\*\*\* Lost gauge due to tree fall.











September 4, 2012

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

RE:

FIND Work Order Number 10-03 Addendum Request

Dania Cutoff Canal Deepening Project; Broward County, Florida

Mr. Roach:

Due to unforeseen construction-related challenges at the time of our original proposal, subsequent addendums, and a construction schedule extension, Taylor Engineering submits the following Scope of Additional Services for the Dania Cutoff Canal Deepening project. Table 1 provides a condensed scope of services and associated fees for the project to date. As shown, we have budgeted \$332,529.50, in total, for the project under this current work order. Of this amount, we have allocated \$211,978.00 for construction administration services. This amount represents a minimum percentage (i.e., 2.8%) of the current and overall construction contract of \$7.6 million.

Table 1. Summary of Scope of Services and Fee Proposals for Work Order No. 10-03

DESCRIPTION	DATE	Unforeseen Condition(s)	SCOPE OF SERVICES	FEE			
WORK ORDER No. 10-03	March 8, 2010 (executed 4/1/10)	-	<ul> <li>Utility location service</li> <li>Final plans and specifications</li> <li>Bid assistance</li> <li>Construction administration</li> <li>Project certification</li> </ul>	\$234,810.00			
AMENDMENT No. 1*	December 29, 2011 (executed 1/24/12)	Inability of the DMMA site to infiltrate water from dredging operations	<ul> <li>Sediment chemistry evaluation and technical report</li> <li>Joint regulatory meeting</li> <li>Permit modification</li> </ul>	\$21,893.00			
AMENDMENT No. 2	November 7, 2011 (executed 2/27/12)	Construction timeline extension from 180 to 270 days	Increased level of effort for construction administration	\$47,669.00			
AMENDMENT No. 3*	February 9, 2012 (executed 2/27/12)	Port Everglades Berth 31/32 maintenance dredging	Plans and specifications     Construction administration	\$28,157.50			
		WORK ORDER No. 10	-03, AMENDMENT No. 1, 2, 3 TOTAL:	\$332,529.50			
UTILITY LOCATION, PLANS AND SPECIFICATIONS, BID ASSISTANCE, PERMIT MODIFICATION TOTALS							
		CONSTRUCTION	ADMINISTRATION SERVICES TOTAL;	\$211,978.00			

<sup>\*</sup> Addendum No. 1 is complete. Addendum No. 3 is nearly complete (i.e., only project certification of the Port Everglades Berth 31/32 project remains).

While we fully intend to complete our scope of services, we have performed additional, services, necessary for the project success, between March and August. None of the addendums identified above account for the additional unforeseen services. The following paragraphs outline these services and provide a final cost proposal that — providing no other unforeseen circumstances — will allow us to complete the project within the extended project timeline (i.e., May 2013).



# TASK 1 DREDGED MATERIAL MANAGEMENT AREA COORDINATION

Most of Task 1 involves additional coordination activities (i.e., meetings, documentation, change orders, regulatory coordination) associated with the Port Everglades dredged material management area (DMMA) and upland related work. Attachment A, Task 1 provides our fee for subtasks 1.1 - 1.4.

# 1.1 OVERHEAD UTILITY LINE

Coordination with Florida Power & Light (FPL) regarding the overhead line adjacent to the Port Everglades dredged material management area (DMMA) proved a very long and drawn-out process (i.e., identification of FPL responsible party and obtaining timely responses). Modification (i.e., 145 ft longer) of the on-site design originally provided by the Port Everglades staff required additional coordination. Taylor Engineering and Lucas Marine Acquisition (Lucas Marine) completed this work in late April/early May.

### 1.2 MANGROVES

The original Lucas Marine mangrove resource survey submitted May 2 indicated numerous resources along the DMMA. After survey completion, Lucas Marine cleared the DMMA and shoreline adjacent to the canal of any non-protected vegetation. Though not required by permit, clearing activities prompted Broward County to investigate the site to verify that the completed survey matched on-site conditions. Around this time, the Bar Pilots reviewed the Lucas Marine offloading schematic (portion of sub-task 2.1). The pilots determined they were unable to navigate the canal as original planned. Given the revised offloading plan required mangrove avoidance (and potential trimming), Broward County required two on-site meetings and additional coordination with Lucas Marine to achieve a successful offloading plan. Taylor Engineering and Lucas Marine completed this work in early May.

# 1.3 PERMANENT DISPOSAL LOCATION

Per the construction contract, the final disposal of all dredged material was to occur at the Pompano Landfill or at Port Everglades. Lucas Marine worked with other parties to locate less expensive disposal sites. This search has resulted in additional coordination with the Florida Department of Environmental Protection (FDEP) regarding the use of alternative permanent disposal sites, and has created additional and unexpected coordination efforts. Although all regulatory agencies have approved one of the requested alternative sits (i.e., Tutor Perini airport site) in May, coordination efforts with FDEP have been ongoing with an additional alternate site (i.e., Asphalt Millings) since July 16. Because the regulatory permits do not have an in-place process for consideration of alternative commercial sites (other than Port Everglades and the landfill facility), Taylor Engineering drafted a letter to Lucas Marine outlining the FDEP-approved process for alternative site consideration. Additional work from this subtask has resulted in at least four coordination meetings with Lucas Marine and FDEP, creation of a FDEP-approved coordination letter, review of the intermediate sediment chemistry results, and coordination of two Change Orders (No. 5 for the Port and No. 6 for DCC Material). Work on this subtask continues.

# 1.4 WATER QUALITY DISCHARGE

While Addendum No. 1 provided for the permit modification to allow water discharge, it did not account for review of the water quality analyses and subsequent coordination with the regulatory agencies. Unfortunately, the water quality results indicated elevated copper levels. Although our coordination with the regulatory agencies resulted in a favorable outcome (i.e., allowable DMMA discharge with a statistically equivalent copper concentration between the DMMA and canal), coordination and water quality testing and analysis continues.

# TASK 2 DANIA CUTOFF CANAL COORDINATION

Most of Task 2 involves additional coordination activities (i.e., meetings, documentation, change orders, regulatory coordination) associated with the Dania Cutoff Canal/in-water work. Attachment A, Task 2 provides our fee for subtasks 2.1 - 2.3.

## 2.1 MARINE TRAFFIC

The scope of marine traffic coordination was an unforeseen major expense item. This task has required detailed correspondence on the Maintenance of Marine Traffic submittal, two additional site coordination meetings with the U.S. Coast Guard and Bar Pilots, ongoing coordination with Lucas Marine, review and approval of work order stoppages (associated with G&G), an additional Notification to Mariners, two additional Change Orders (i.e., Change Order No. 3 and 4) to the base contract. While we initially received the Maintenance of Marine Traffic submittal on March 13, coordination will continue until task completion in June (after approval of the new offloading schematic and Change Order No. 4 on May 30).

### 2.2 SUBMERGED UTILITIES

During June 2012, submerged utility line coordination among Taylor Engineering, Lucas Marine, AT&T, the City of Dania, and Intercounty Engineers (City of Dania's engineer) continued. Because neither AT&T nor Intercounty Engineers could locate this utility, the work required additional teleconferences, two unscheduled site visits, and a problem resolution meeting. Ultimately, Intercounty Engineers resolved the location issue when it cut the existing AT&T submerged utility line in early July and contracted to replace the line below the proposed dredging depth for our project. Currently, we're still waiting for the As-Built and, once received, will incorporate the location and depth into our closeout documents.

## 2.3 MECHANICAL DREDGING EQUIPMENT MODIFICATION

During the August 15 bimonthly progress meeting, Lucas Marine presented the preliminary bathymetric survey results of Acceptance Section No. 4 (STA 30+00 to 40+00) and indicated the extreme difficulty of meeting the design depth with an environmental clamshell bucket. Coordination with the U.S. Army Corps of Engineers, FDEP, and Broward County resulted in a successful work authorization to dredge with a conventional bucket; however, the equipment change will likely raise turbidity issues. Further, whether the conventional bucket will break through the unyielding material remains uncertain. Coordination and these potential challenges notwithstanding, we must negotiate an additional Change Order (No. 7) with Lucas Marine for Acceptance Section No. 4. Once this section is complete, we expect to repeat our efforts to coordinate similar modifications to the base contract for Acceptance Section No. 1, 2, and 3.

### TASK 3 ONGOING CONSTRUCTION ADMINISTRATION

Due to the construction timeline extension (270 days to 418 days) authorized in Change Order No. 4, approximately nine months remain in the project contract period. The contractor's current construction schedule targets dredging completion in January/February, with on-site DMMA restoration and demobilization activities occurring through mid-May. Due to reasons outlined above, we have exceeded our weekly budgeted amount (\$2,300.00) in some cases by \$2,500. Table 2 provides a summary of the major cost items, budgeted vs. actual, for the project to date and includes notes concerning any discrepancies for the remaining construction period.

Table 2. Summary of Budgeted vs. Actual Scope of Services

DESCRIPTION	BUDGETÉD	ACTUAL (AS OF AUGUST 31)	REMAINING CONSTRUCTION PERIOD NOTES
TWICE-A-WEEK PROJECT ENGINEER SITE VISITS	67 Visits	37 Visits	Our budget did not account for 5 of these trips (meetings associated with the U.S. Coast Guard, G&G, Brazilian Pepper removal, bulkhead photo documentation, and AT&T coordination). Per our current construction schedule, we have roughly 70 visits remaining or 40 visits short for this task.
TWICE-A-MONTH ENGINEER OF RECORD VISITS	16 Visits	9 Visits	Per our current construction schedule, we are
SCHEDULING AND PREPARING FOR ONSITE PROGRESS MEETINGS	16 Meetings	9 Meetings	roughly 11 meetings short for this task.
ATTENDING PROBLEM RESOLUTION MEETINGS	2 Meetings	3 Meetings	Our budget did not account for 1 of these trips (meetings associated with the U.S. Coast Guard, G&G, Change Order No. 5 and 6).
REVIEWING AND APPROVING MONTHLY PAY APPLICATIONS	9 Payment Applications	5 Payment Applications	With an additional 9 months remaining in the project timeframe, the contractor could potentially submit 9 more Payment Applications.
REVIEWING AND APPROVING CHANGE ORDERS	2 Change Orders	6 Change Orders	We received Change Order No. 7 on August 28. We anticipate up to 3 additional Change Orders (due to the three remaining acceptance sections) and the problems (inability to remove the material) recently encountered with the environmental clamshell bucket.

As shown, additional construction administration efforts (i.e., site visits, progress meetings, monthly payment applications and expected change orders) are expected with the extended construction timeline. Attachment A, Task 3 provides our fee for ongoing construction administration services. In total, our cost-not-to-exceed fee for Tasks 1-3 described above totals \$187,805.00. If accepted, the total construction services budget allowable (in addition to the \$211,978.00 budget already approved) will not exceed \$399,783.00 (or 5.2% of the construction contract).

Please contact me with any questions you have.

Sincerely,

John F. Adams, P.E.

Senior Advisor

Attachments (1)

# FIND WORK ORDER NUMBER 10-03 ADDENDUM REQUEST DANIA CUTOFF CANAL DEEPENING PROJECT; BROWARD COUNTY, FLORIDA

ATTACHMENT A COST PROPOSAL

# TAYLOR ENGINEERING, INC. COST SUMMARY BY TASK P2012-126: FIND WORK ORDER NO. 10-03 ADDENDUM REQUEST

Labor	Coordination Hours	Cost	Task Totals
Vice President	15.0	2,775.00	Task Totals
Senior Advisor	44.0	7,788.00	
Director	94.0	14,476.00	
Project Professional		14,470.00	
·	136.0	4,816.00	
Staff Professional	56.0		
Technical Editor	14.0	1,386.00	
Administrative	24.5	1,372.00	
Total Man-Hours	383.5		
Ļabor Cost			46,893.00
,			
Non-Labor	Units	Cost	
WPB Car Rental & Fuel	1.0	65.00	
WPB Car Rental & Fuel	1.0	65.00	
JAX Car Rental & Fuel	1.0	125.00	
Meals	1.0	25.00	
Non-Labor Cost		280.00	
		28.00	
Fee @ 10.0%	-	26.00	
Total Non-Labor Cost		-	308.00
Total Task 1			47,201.00
TASK 2: Dania Cutoff Canal Coordination	Harma	Cont	Task Totals
Labor	Hours	Cost	Task Totals
Senior Advisor	38.0	6,726.00	
Director	64.0	9,856.00	
Project Professional	132.0	13,860.00	
Staff Professional	56.0	4,816.00	
Technical Editor	2.0	198.00	
Administrative	20.0	1,120.00	
Total Man-Hours	312.0		
Total Man-Hours Labor Cost	312.0		36.576.00
Total Man-Hours Labor Cost	312.0	*	36,576.00
	312.0 Units	Cost	36,576.00
Labor Cost		Cost 65.00	36,576.00
Labor Cost  Non-Labor	Units		36,576.00
Labor Cost  Non-Labor  WPB Car Rental & Fuel	Units	65.00	36,576.00
Labor Cost  Non-Labor  WPB Car Rental & Fuel  JAX Car Rental & Fuel	Units 1.0 1.0	65.00 125.00	36,576.00
Non-Labor WPB Car Rental & Fuel JAX Car Rental & Fuel Meals WPB Car Rental & Fuel	Units 1.0 1.0 1.0	65.00 125.00 25.00 65.00	36,576.00
Non-Labor Cost  WPB Car Rental & Fuel JAX Car Rental & Fuel Meals WPB Car Rental & Fuel Non-Labor Cost	Units 1.0 1.0 1.0	65.00 125.00 25.00 65.00	36,576.00
Non-Labor WPB Car Rental & Fuel JAX Car Rental & Fuel Meals WPB Car Rental & Fuel	Units 1.0 1.0 1.0	65.00 125.00 25.00 65.00	36,576.00
Non-Labor Cost  WPB Car Rental & Fuel JAX Car Rental & Fuel Meals WPB Car Rental & Fuel Non-Labor Cost	Units 1.0 1.0 1.0	65.00 125.00 25.00 65.00	36,576.00 308.00

# ATTACHMENT A

# P2012-126: FIND WORK ORDER NO. 10-03 ADDENDUM REQUEST

TASK 3: Ongoing Construction Administration

Labor	Hours	Cost	Task Totals
Senior Advisor	65.0	11,505.00	
Director	234.0	36,036.00	
Project Professional	132.0	13,860.00	
Staff Professional	354.0	30,444.00	
Senior Technician	80.0	7,200.00	
Total Man-Hours	865.0		
Labor Cost			99,045.00
Non-Labor	Units	Cost	
WPB Car Rental & Fuel	40.0	2,600.00	
JAX Car Rental & Fuel	11.0	1,375.00	
Meals	11.0 _	275.00	ec.
Non-Labor Cost		4,250.00	
Fee @ 10.0%	-	425.00	
Total Non-Labor Cost			4,675.00
Total Task 3			\$ 103,720.00

Project Total \$ 187,805.00