

PRELIMINARY AGENDA  
FLORIDA INLAND NAVIGATION DISTRICT  
Board of Commissioners Meeting  
8:15 AM, Friday June 16, 2017  
The DoubleTree by Hilton Cocoa Beach Oceanfront  
2080 North Atlantic Ave. (S.R. A1A)  
Cocoa Beach, FL 32931

- ITEM 1. 8:15 AM **Call to Order** - Chair Netts will call the meeting to order.
- ITEM 2. **Pledge of Allegiance** - Commissioner Sansom will lead the Pledge of Allegiance.
- ITEM 3. **Roll Call** - Secretary Gernert will call the roll.
- ITEM 4. **Additions or Deletions** Any additions or deletions to the meeting agenda will be announced.  
Recommend : Approval of Final Agenda.
- ITEM 5. **Public Comments.**  
The public is invited to provide comments on issues that are NOT on today's agenda.
- ITEM 6. **Board Meeting Minutes.** The following meeting minutes are presented for approval:  
(See pages 5-31 )  
\* May 19, 2017 Nomination Committee Meeting, \* May 19, 2017 Finance and Budget Committee Mtg., \* May 19, 2017 Board Meeting;  
Recommend: Approval of the minutes as presented.
- ITEM 7. **Finance & Budget Committee Report**  
The District's Finance & Budget Committee will provide their recommendations concerning items on their agenda.  
(Please see: Finance & Budget Committee Agenda Package)  
Recommend: Approval of the recommendations of the District's Finance & Budget Committee.
- ITEM 8. **Staff Report on Brevard County Area Projects** (See pages 32-60)  
Staff will present a report on District Projects in the Brevard County area.
- ITEM 9. **Presentation of Cooperative Assistance Program Applications**
- |          |         |        |  |             |
|----------|---------|--------|--|-------------|
| ITEM 9.1 | 8:40 AM | FDEP   | Florida Clean Vessel Act Program               | pg. 61-85   |
| ITEM 9.2 | 8:50 AM | FDEP   | Florida Clean Marina Program                   | pg. 86-109  |
| ITEM 9.3 | 9:00 AM | SJRWMD | Eau Gallie Dredging Phase 2C Eau Gallie to IWW | pg. 110-123 |
| ITEM 9.4 | 9:10 AM | USFWS  | Merritt Island NWR Education Center Exhibits   | pg. 124-140 |
- Presentation of Waterways Assistance Program Applications**  
(Items 10.01 - 10.38 Book 1 of 2)
- ITEM 10. **Volusia**
- |            |          |  |  |             |
|------------|----------|--|--|-------------|
| ITEM 10.01 | 9:20 AM  | City of Daytona Beach                            | Riverfront Park Day Docks Phase II         | pg. 141-157 |
| ITEM 10.02 | 9:30 AM  | City of Edgewater<br>City of New Smyrna<br>Beach | George Kennedy Park Boat Ramp Replacement* | pg. 158-170 |
| ITEM 10.03 | 9:40 AM  |  | Swoope Boat Ramp Parking Phase II          | pg. 171-184 |
| ITEM 10.04 | 9:50 AM  | City of Oak Hill                                 | Sunrise Park Phase I                       | pg. 185-198 |
|            | 10:00 AM | <b>BREAK (10 Min)</b>                            |  |             |

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ITEM 10.05	10:10 AM	City of Ormond Beach	Cassen Park Public Dock Phase II	pg. 199-213
ITEM 10.06	10:20 AM	City of Port Orange	Causeway Park Fishing Pier	pg. 214-230
ITEM 10.07	10:30 AM	City of Port Orange	Causeway Park Boat Dock	pg. 231-245
ITEM 10.08	10:40 AM	Volusia County	Lemon Bluff Park	pg. 246-264

**St Johns**

ITEM 10.09	10:50 AM	City of St Augustine	Riberia Pointe Kayak Launch Phase II	pg. 264-280
ITEM 10.10	11:00 AM	City of St Augustine	St Augustine LE Patrol Boat	pg. 281-294
ITEM 10.10A	11:10 AM	City of St Augustine	Salt Run Channel Dredging Phase 8	pg. 295-308
ITEM 10.11	11:20 AM	St Johns County	Palm Valley Boat Ramp West Phase I	pg. 309-322
ITEM 10.12	11:30 AM	St Johns County	Public Safety Docking Facility	pg. 323-338

**Miami-Dade**

ITEM 10.13	11:40 AM	Miami Dade County	Pelican Marina Boat Ramp Parking Lot Renovations	pg. 339-354
ITEM 10.14	11:50 AM	Miami Dade County	Haulover Marina Wet-slips Electrical Upgrades	pg. 355-370
ITEM 10.15	Noon	North Miami Beach	Law Enforcement Patrol Boat	pg. 371-384

**12:10 PM-1:00 PM LUNCH**

**Miami-Dade continued**

ITEM 10.16	1:00 PM	City of Miami	Virginia Key Seawall, Dock and Kayak Launch Phase II	pg. 385-400
ITEM 10.17	1:10 PM	City of Miami	Myers Park Seawall, Boat Ramp and Parking Phase I	pg. 401-414
ITEM 10.18	1:20 PM	City of Miami	Knight Center Dockage Phase I	pg. 451-428
ITEM 10.19	1:30 PM	City of Miami	First Presbyterian Church Baywalk Phase I	pg. 429-443
ITEM 10.20	1:40 PM	City of Miami	Spring Garden Park Seawall and Kayak Launch	pg. 444-457
ITEM 10.21	1:50 PM	City of Miami	Seybold Canal and Wagner Creek Dredging Phase G	pg. 458-472
ITEM 10.22	2:00 PM	City of Miami	25th Rd Seawall, Baywalk and Dock Phase I	pg. 473-486
ITEM 10.23	2:10 PM	City of Miami	Miami Police Department Patrol Vessel	pg. 487-500
ITEM 10.24	2:20 PM	City of Miami	Regatta Park Baywalk, Boat Hoists, Dock Phase II	pg. 501-514
ITEM 10.25	2:30 PM	City of Miami Beach	Indian Beach Park Shoreline Project	pg. 515-529
ITEM 10.26	2:40 PM	City of Miami Beach	Indian Creek Shoreline Stabilization and Greenway Ph IIB	pg. 530-545
ITEM 10.27	2:50 PM	City of Miami Beach	Maurice Gibb Waterfront Park & Boardwalk	pg. 546-560

**3:00 PM BREAK (10 min)**

**Duval**

ITEM 10.28	3:10 PM	City of Atlantic Beach	Marsh View Preserve Fishing Pier	pg. 561-575
ITEM 10.29	3:20 PM	City of Jacksonville	Bert Maxwell Boat Ramp Dock	pg. 576-590
ITEM 10.30	3:30 PM	City of Jacksonville	Half Moon Island Park Phase 2B	pg. 591-605
ITEM 10.31	3:40 PM	City of Jacksonville	Joe Carlucci Dock Phase II	pg. 606-620
ITEM 10.32	3:50 PM	City of Jacksonville	Mandarin Boat Ramp Dock and Kayak Launch Phase I	pg. 621-635



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ITEM 10.33	4:00 PM	City of Jacksonville	Oak Harbor Boat Ramp Dredge Phase I	pg. 636-650
ITEM 10.34	4:10 PM	City of Jacksonville	Post Street Dock Phase I	pg. 651-665
ITEM 10.35	4:20 PM	City of Jacksonville	Ribault River Channel Markers Phase I	pg. 666-679
ITEM 10.36	4:30 PM	City of Jacksonville	Riverfront Park Fishing Platform Phase I	pg. 680-694
ITEM 10.37	4:40 PM	City of Jacksonville	Sisters Creek Lighting Part 2	pg. 695-709
ITEM 10.38	4:50 PM	City of Jacksonville	St Johns Marine Boat Ramp Phase I	pg. 710-724

**(Recess Item 10)**

**ITEM 11. 5:00 PM Public Comment** **(Public Comment may occur up to an hour earlier than time stated if presentations finish ahead of schedule)**

**(Recess full Board Meeting)**



**MINUTES OF THE**  
**FLORIDA INLAND NAVIGATION DISTRICT**  
**Nomination of Officers Committee Meeting**  
**8:15 a.m., Friday, May 19, 2017**  
**The Sonesta Coconut Grove Miami Hotel**  
**2889 McFarland Road**  
**Coconut Grove, Miami-Dade County, Florida 33133-6008**

**ITEM 1.**      **Call to Order.**

Committee Chair Sansom called the meeting to order at 8:15 a.m.

**ITEM 2.**      **Roll Call.**

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

**ITEM 3.**      **Additions or Deletions.**

Committee Chair Sansom asked if there were any additions or deletions to the meeting agenda. Mr. Crosley noted that there is no Item 5 and that there were no additions or deletions to the agenda.

Commissioner Isiminger made a motion to approve the agenda as presented. The motion was seconded by Chair Cuozzo. Committee Chair Sansom asked for discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 4. Public Comments.**

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

**ITEM 6. Commissioners Responses on the Willingness to serve as an Officer.**

Committee Chair Sansom stated that the following members have indicated their willingness to serve as an Officer: Commissioner Netts as Chair, Commissioner Donaldson as Vice-Chair; Commissioner Blow as Treasurer; and, Commissioner Gernert as Secretary. He asked if there were any other nominations, comments or questions. There were none.

Commissioner Cuzzo nominated; Commissioner Netts for recommendation to the Board as Chair, Commissioner Donaldson for recommendation to the Board as Vice-Chair, Commissioner Blow for recommendation to the Board as Treasurer, and Commissioner Gernert for recommendation to the Board as Secretary. The motion was seconded by Commissioner Isiminger. Committee Chair Sansom asked for discussion. Hearing none, a vote was taken and the motion passed.

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

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

**ITEM 8. Commissioners Comments.**

Committee Chair Sansom asked if there were any additional commissioner comments. There were none.

**ITEM 9. Adjournment.**

Committee Chair Sansom stated that hearing no further business the meeting was adjourned at 8:20 a.m.

**MINUTES OF THE  
FLORIDA INLAND NAVIGATION DISTRICT**

**Finance and Budget Committee Meeting**

**8:30 a.m., Friday, May 19, 2017**

**The Sonesta Coconut Grove Miami Hotel**

**2889 McFarland Road**

**Miami, Miami-Dade County, Florida 33133-6008**

**ITEM 1.      Call to Order.**

Committee Chair McCabe called the meeting to order at 8:32 a.m.

**ITEM 2.      Roll Call.**

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

**ITEM 3.      Additions or Deletions.**

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

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

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

**ITEM 4. Public Comments.**

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

**ITEM 5. Financial Statements for March 2017.**

Mr. Crosley presented the District's March 2017 financial statements.

Mr. Crosley stated that the Broward Deepening Project has been completed. Staff has contacted Port Everglades and requested the return of the District's \$2.5 million reserve.

Mr. Crosley noted that the Gateway Money Market Account has been closed and moved to City National at a 1.13 Interest Rate.

Mr. Crosley stated that current fiscal year revenue collections are as projected at \$23 million.

Mr. Crosley noted that the development of several Dredged Material Management Areas (DMMA) are underway. The final payment for MSA 726 has been made and the site work has been completed. He asked for questions. There were none.

Chair Blow made a motion to approve a recommendation to the full Board of the financial statements for March 2017. The motion was seconded by Secretary Donaldson. Committee Chair McCabe asked for any additional discussion. Hearing none, a vote was taken and the motion passed unanimously.

**ITEM 6. March 2017 Budget Summary and Project Status Expenditure Reports.**

Mr. Crosley presented the Budget Summary and Project Status Expenditure Reports for March 2017. The Intracoastal Waterway (IWW) Dredging St. Lucie Reach I project has been completed. The IWW Crossroads Dredging project has been completed.



The IWW Nassau Reach I Dredging project is ready to go to bid. Mr. Crosley asked if there were questions. There were none.

**ITEM 7.      Draft Financial Audit for FY 2015 – 2016.**

Commissioner Sansom requested that this item be deferred to the full Board meeting.

Committee Chair McCabe agreed.

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

Mr. Crosley presented the Executive Director's Delegation of Authority Report and stated that three (3) actions were taken from April 11, 2017 through May 8, 2017.

Mr. Crosley stated that he surplused two (2) used security booths to Port Everglades.

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

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

**ITEM 10.      Additional Commissioners Comments.**

Committee Chair McCabe asked if there were any additional Commissioner comments.

Commissioner Sansom thanked Committee Chair McCabe for her service as the District Treasurer and Chair of the Finance and Budget Committee.

**ITEM 11.      Adjournment.**

Committee Chair McCabe stated that hearing no further business the meeting was adjourned at 8:43 a.m.

**MINUTES OF THE  
FLORIDA INLAND NAVIGATION DISTRICT**

**Board of Commissioners Meeting**

**9:00 a.m., Friday, May 19, 2017**

**The Sonesta Coconut Grove Miami Hotel**

**2889 McFarland Road**

**Miami, Miami-Dade County, Florida 33133-6008**

**ITEM 1.      Call to Order.**

Chair Cuozzo called the meeting to order at 9:04 a.m.

**ITEM 2.      Pledge of Allegiance.**

Commissioner Crowley led the Pledge of Allegiance to the Flag of the United States of America.

Chair Cuozzo called for a moment of silence to honor former FIND Commissioner Gail Kavanagh who passed away on May 4, 2017.

**ITEM 3.      Roll Call.**

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

**ITEM 4.      Consent Agenda.**

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

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

**ITEM 5.      Additions or Deletions.**

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

Mr. Crosley referred to Item 7, Board Meeting Minutes, of the agenda and noted that it should read April 21, 2017 not February 18, 2017. He stated that there are no additions or deletions to the meeting agenda.

Mr. Crosley stated that he has distributed additional miscellaneous agenda information.

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

**ITEM 6.      Public Comments.**

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

**ITEM 7.      Board Meeting Minutes.**

Chair Cuzzo asked if there were any comments or questions regarding the April 21, 2017 Finance & Budget Committee and Board Meeting Minutes.

Commissioner Williams referred to Item 14 of the April 21, 2017 Board Meeting Minutes and suggested that the sentence read "Vice-Chair Netts suggested the District self-insure up to a certain level and then purchase Liability Insurance."

Commissioner Blow made motion to approve the April 21, 2017 Finance & Budget Committee and Board Meeting Minutes as amended. The motion was seconded by Commissioner Sansom. Chair Cuzzo asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.

**ITEM 8.      Draft Financial Audit for FY 2015-2016.**

Mr. David McGuire, with Berger, Toombs, Elan, Gaines and Frank, CPA, PL, presented the District's FY 2015-2016 Draft Financial Audit. The basic financial statement presents fairly, in all material respects, the financial position of the government activities and the General Fund of the District as of September 30, 2016, and the respective changes in financial position and the budgetary comparison for the General Fund for the year then ended in conformity with account principles generally accepted in the United States of America.

Mr. McGuire referred to the Statement of Net Position and stated that this report shows the District's assets and liabilities at a government-wide level. He stated that the District's total current assets are \$76.1 million, with \$82.2 million non-current assets, for total assets of \$188.4 million. In addition, the District has \$8.5 million in liabilities, for a total Net Position of \$179.4 million. The District's Net Position went down \$4.4 million from last year.

Mr. McGuire referred to the District's FY 2015-2016 Statement of Revenues, Expenditures, and Changes in the Fund Balances which shows \$22.9 million in revenue and \$27.4 million in expenditures.

Mr. McGuire referred to the Balance Sheet of Governmental Funds and stated that projects with assigned funding include: dredging, \$8.4 million; grants, \$21.1 million;

DMMA development, \$15.5 million; waterway studies; \$2.1 million; and disaster relief, \$1 million. There is \$3.3 million in unassigned funding for a total Liabilities and Fund Balance of \$76.1 million. Most of this funding is assigned and obligated.

Mr. McGuire referred to the Notes to Financial Statements and stated that the District's Deferred Outflows of Resources related to Pensions are \$274,611.00 and Deferred Inflows of Resources are \$36,034.00. This recognizes the pension expenses as required by the State of Florida.

Commissioner Sansom referred to the Fund Balance account and asked if the dredging project funding amounts are for one-year. Mr. McGuire stated that those figures are for ongoing projects and are multi-year. This also reduces the District's equity funding.

Secretary Donaldson noted that the District plans for long-term projects and expects to see fluctuations in funding with years of minuses and years of positives, suggesting staff should review the previous five-year history and future liabilities. Convening this to the public is difficult. Mr. McGuire stated that District can put a section into next year's budget for Economic Factors. Mr. Scambler stated that the Audit Report must be filed with the State by June 30<sup>th</sup> and the suggested Management Discussion could be modified to discuss the differences of the negative Fund Balance Change emphasizing the multi-year projects in the Management Discussion Analysis section.

Commissioner Isiminger stated that commissioners were told for years that the Broward Deepening Project was coming up and the District planned financially for that project. A \$4 million decrease for that project should not be a surprise.

Mr. McGuire distributed the "Enron letter" and referred to the Compliance and Internal Control Report and stated that he is pleased to report that there were no material

findings with compliance or with internal control. He then referred to the Management Letter and stated that he is pleased to report that there are no current year findings. He stated that if the District would have met one of those conditions that would have indicated that the District was in financial distress. He stated that in their opinion, the District complied, in all material respects, with the aforementioned requirements during the year ending September 30, 2016. He noted that no uncorrected material or misstatements were found. He stated that there were no disagreements with management and management was very cooperative.

Commissioner Blow asked how the auditors confirm that the District's cash is in the banks. Mr. McGuire stated that he performs an independent confirmation, which is sent by him and returned to him, with each banking facility and tax collector on every account.

Vice-Chair Netts congratulated staff and stated that when you receive this kind of an Audit Report, it means that things are being lawfully conducted.

Secretary Donaldson made a motion to approve acceptance of the Draft Financial Audit for FY 2015-2016. The motion was seconded by Treasurer McCabe. Chair Cuzzo asked for any additional discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 9. Finance and Budget Committee Report.**

Treasurer McCabe made a motion to approve the recommendations of the District's Finance and Budget Committee, March 2017 financial statements, the delegation of authority, and the expenditure and project status report. The motion was seconded by Commissioner Sansom. Chair Cuzzo asked for discussion. Hearing none, a vote was taken and the motion passed unanimously.



**ITEM 10. Staff Report on Miami-Dade County Area Projects.**

Mr. Crosley presented the staff report on Miami-Dade County and stated that Phase I of the Dredged Material Management Plan (DMMP) for the Intracoastal Waterway (IWW) in Miami-Dade County was completed in 2003. Phase II of the DMMP was completed in 2005 and all major land acquisition was completed by 2007.

Mr. Crosley stated that maintenance dredging of IWW Reach II in the vicinity of Baker's Haulover Inlet was completed in 2011, and again in April of 2014. The U.S. Army Corps of Engineers (USACE) utilized super-storm Sandy supplemental funding to dredge approximately 50,000 cubic yards of material from the IWW and place the beach-compatible material south of the inlet on the down-drift beach. In early 2017, the USACE utilized Hurricane Matthew supplemental funding to hopper-dredge approximately 8,000 cubic yards of a critical shoal that was impeding navigation. The USACE is scheduled to conduct a full dredging project in late 2017. Maintenance dredging of the IWW in this vicinity occurs approximately every three (3) years. This is one of the Districts highest frequency dredging areas.

Mr. Crosley stated that the Miami-Dade County Waterways Economic Study was completed in 2007 and updated in 2011. The updated Economic Study draft will be presented to the Board at the District's September meeting.

Mr. Crosley stated that since 1986, the District has provided \$58 million in Waterways Assistance Program funding for 210 projects in the county having a total constructed value of \$169 million. He noted that one of the significant CAP projects was the District's participation in the Miami River dredging project.

Mr. Crosley stated that since 1998, the District has consistently partnered with Miami-Dade County in their annual Baynaza waterway cleanup event, providing up to \$10,000.00 per year.

Mr. Crosley stated that Miami-Dade County has previously participated in the Small-Scale Derelict Vessel Removal Program with \$138,250.00 contributed in District funding for the removal of approximately 48 vessels.

Commissioner Crowley thanked the U.S. Army Corps of Engineers (USACE), for their recent dredging of Baker's Haulover Inlet, expressing gratefulness for their quick action.

Commissioner Crowley stated that Miami-Dade County provides significant tax revenue to the District and has recaptured much of those funds through the District's Grant program. The number of projects that the District has contributed funding to in the Downtown Miami and the Miami-Dade County urbanized areas is significant and it has acted as a catalyst for private investing in the area.

Commissioner Crowley stated that Miami-Dade County has been looking at what Palm Beach County has done with the Lake Worth Lagoon and is considering doing the same type of projects in Biscayne Bay.

**ITEM 11.      Comments from the U.S. Army Corps of Engineers.**

Mr. Crosley welcomed Ms. Trulock back to the District. Ms. Trulock stated that she enjoyed working in Regulatory, but she is happy to be back as the Intracoastal Waterway (IWW) Project Manager.

Ms. Shelley Trulock, the IWW Project Manager with the U.S. Army Corps of Engineers (USACE), stated that Plan and Specifications for the IWW Sawpit project in

Nassau County will kick off in summer of 2017. The USACE has submitted a Work Plan package for this dredging project. If Work Plan funding is received, the USACE should have the funds by July 2017 and the USACE must obligate the funding by awarding the Project Contract.

Ms. Trulock stated that \$2.6 million of Work Plan funding went towards St. Augustine and Matanzas IWW dredging projects. The contract was awarded to Weeks Marine and the project was completed on May 1, 2017. Approximately 125,000 cubic yards of material was placed on Vilano Beach and 450,000 cubic yards of material was placed on Summerhaven Beach.

Commissioner Blow thanked the USACE, the county, the FIND staff and everyone who worked to make this project happen. The community is very pleased with this project.

Ms. Trulock stated that the USACE has received \$5,500,000.00 in supplemental Federal funding to complete the dredging of the IWW near Ponce Inlet in Volusia County. The USACE is exploring combining the project with the Ponce Inlet dredging program to save on mobilization. The most recent permit allows for upland and nearshore disposal only. The permits will need to be modified to allow offloading at MSA 434 Rattlesnake Island. The contract will be advertised October 18, 2017.

Ms. Trulock stated that Plans and Specifications for the construction of Dredged Material Management Area (DMMA) O-7, Martin County, have been funded with Federal funding and construction will be funded by FIND. The construction contract was awarded to Cody Construction. Construction and is underway, with a required completion date of July 14, 2018.

Ms. Trulock stated that the Plans and Specifications for construction of DMMA O-23 began in January 2017. NEPA activities were started and are extensive. An FDEP exemption will be obtained since this project is upland construction. Project design concepts will be the same as DMMA O-7. She anticipates awarding the contract in Spring of 2018. A resource meeting and site visit will be scheduled during the week of June 5th with FIND and the USACE.

Ms. Trulock stated that the USACE received \$1.2 million in supplemental funding for the Crossroads dredging project. Approximately 34,000 cubic yards of problematic shoaling within the Crossroads reach of the IWW was removed by the USACE hopper dredge Currituck. The dredging started on March 1 and was completed on March 22, 2017. The dredged material was placed in the St. Lucie Inlet Impoundment Basin. The USACE dredge will return to complete the advanced maintenance widener project in September 2017.

Ms. Trulock stated that the USACE is moving forward with permitting the IWW Broward Reach I Dredging Project. The current path forward is to dredge with a Wilmington District hopper dredge, unless it is determined that the quantity is large enough to justify standard procurement. Discussions with the Hillsboro Inlet Chairman, Mr. Jack Holland, led to the suggestion that the USACE should consider placing the dredged material within the existing Hillsboro Inlet settling basin, a permanent sand transfer station. This would alleviate the need to obtain National Environmental Policy Act (NEPA) approval on a new nearshore placement area. The Hillsboro Inlet dredge would then move the material to the beach south of the inlet. To do this, the USACE would still need a Florida Department of Environmental Protection (FDEP) permit and possible NEPA

coordination, since IWW material has never been placed in this disposal location. These changes will push this project out one additional year.

Ms. Trulock stated that the USACE utilized \$300,000.00 in Hurricane Matthew Supplemental funding to remove 8,100 cubic yards of shoal at Bakers Haulover in March 2017. Disposal will be in the nearshore at Bal Harbor Beach. A future project will be scheduled for September 2017 to remove an additional 25,000 cubic yards of material. The team is exploring whether to utilize a USACE dredge or go industry. This contract must be awarded in September 2017.

**ITEM 12. U.S. Army Corps of Engineers Setback Policy Update and Authorization of FIND Assistance Programs Activities.**

Ms. Tori White, Deputy Chief - Regulatory Division, Acting Chief - Real Estate Division, U.S. Army Corps of Engineers (USACE), provided a brief presentation on project permits for the District's grant applicants.

Ms. White stated that project permits cannot be issued by the USACE to the District's grant applicants if the USACE's guidelines are not followed and a correctly completed project permit application that provides all the requested information is not submitted in a timely manner.

Ms. White stated that USACE permits are required for any work being done in the navigable water of the United States. This includes all work over, through and under navigable waters, e.g. dredging, docks, and beach renourishment. It also includes the waters of the United States including wetlands, discharge or dredged and fill material.

Ms. White stated that there are several types of permits, which include, but are not limited to: Individual Permits that cover project-unique evaluations and authorization; Standard Permits requiring a public notice and agency review and take a year or more to

process; Letters of Permission (LOP) which are for less controversial minor impact projects and must be coordinated with agencies and neighbors; and General Permits which are for projects that are abbreviated and have similar activities, such as maintenance dredging of less than 50,000 cubic yards, resulting in minimal impacts to water quality. General permits must be reissued every five-years and take up to 90-days to process.

Ms. White stated that the Statewide Programmatic Biological Opinion (SWPBO) is a program that all the District's project applicants should familiarize themselves with. SWPBO includes eleven (11) project activities for the project design criteria that would eliminate the Programmatic ESA Consultation with the National Marine Fisheries Service.

The full presentation can be found on the District's web site, [www.aicw.org](http://www.aicw.org), under the Waterways Assistance Program. The USACE has the Permitting Forms and Engineering Form 4345 on their Web Site and those forms can be submitted directly to the USACE, which is preferable to submitting a USACE permit through the State. The USACE's web site and Source Book provides permit conditions and requirements.

**ITEM 13. Waterway Assistance Program Allocation Presentation.**

Attorney Breton stated that the Waterway Assistance Program (WAP) is a grant program established by the Florida Legislature and administered by the District for the purpose of financially cooperating with local governments to alleviate problems associated with the Intracoastal Waterway (IWW) and associated waterways within the District. The program is authorized by Section 374.976, Florida Statutes, and is administered under the provisions of Chapter 66B-2, Florida Administrative Code. Pursuant to Rule 66B-2.005(1), WAP allocations shall not exceed an amount equal to eighty (80) percent of the proportional share of the District's ad valorem tax collections from each county.



Attorney Breton stated that in 1998, the Board approved imposing the eighty (80) percent proportional share funding limitation to the grant program. Prior to 1998, the proportional share limitation was ninety (90) percent. The purpose was to preserve funding for the core functions of the District, such as the purchase of land, construction of sites and dredging projects. Also, the Board wanted to maintain equity of the projects within the counties. The funding caps do not stand alone, they work in conjunction with project rankings. To deviate from the eighty (80) percent Rule of Limitation, because it is in the Administrative Rule, the Board would have to vote to direct staff to process a Rule Amendment to change the eighty (80) percent limitation.

Ms. Zimmerman stated that staff reviewed how the District's actual funding was spent over the previous six (6) years. The Assistance Program began in 1986 and since that time, the District has participated in 1248 projects contributing \$214.5 million in District assistance funding to provide \$636 million in waterway improvements and benefits.

Ms. Zimmerman referenced the District's six (6) years of actual expenses and stated that 50% of the District's funds are spent on the Waterway, Cooperative and Interlocal Agreement projects. The remaining 50% of funding is disbursed for the District projects related to: Long Range Studies, Public Information, Tax Commissions, Administration of 9%; Capital Outlay 12%, and Dredging Operations 29%.

Ms. Zimmerman stated that as an experiment she reviewed last year's grant rankings and raised the funding cap to 96% and potentially 52 projects would have been funded, rather than last year's 57 funded projects. Only one (1) project would not have been funded because of the county cap, two (2) two projects would have received a small

amount of additional funding due to the county cap; and six (6) projects would have been fully funded instead of partially funded.

Commissioner Sansom stated that the WAP budget amount would need to be changed for a funding allocation percentage change to make a difference.

Commissioner Williams suggested that the counties in the North that are small and need additional funding help should have their percent Rule of Limitation increased to 90% and the larger counties to the south should have their percent Rule of Limitation remain at 80%.

Mr. Crosley noted that last year when he was preparing the District budget, he was \$6 million short in funding for the District's Capital projects. He noted that in Nassau County, the District has purchased property at a cost of \$1.5 million, built Dredged Material Management Area (DMMA) NA-1 at a cost of \$4.8 million, completed the NA-1 Taylor Engineering study cost at \$171,000.00, and the upcoming Nassau Reach I dredging will be approximately \$4 million. Tax Revenue collected from Nassau County will not reimburse the District for these projects in Nassau County. The assistance process works, and if it changed, the District will not have the funding to perform its main mission, maintaining the Intracoastal Waterway (IWW).

Commissioner Crowley stated that he does not feel that tiered percentage funding for the assistance program would work. He stated that the grant program is important and he noted that the Legislature voted to establish this program. He stated that the District's Interlocal Agreement program also is a mechanism for project funding that falls outside of the District's assistance program.

Commissioner Blow stated that if the District were to change the program funding to a tiered percentage, it could give the appearance of the District subsidizing the smaller counties with funding from the larger counties. The current system is fair.

Commissioner Sansom stated that he does not support a tiered system, but he would like the ability to offer another county, that is over its funding cap, assistance funding that his county is not using. He feels strongly that it would be up to the commissioner of that county to make that decision, not the District.

Chair Cuzzo stated that he does not agree and he tells his applicants to submit their applications and the best projects will receive funding.

Attorney Breton referenced the District's Grant Rule and stated that there are two provisions in the latter part of this rule that provide the Board some flexibility. The District may make an exception to this funding limitation, of 80% per county, if funds are determined to be available based on the District's overall goals and management. A county cannot receive additional assistance funding above its funding cap and they cannot exceed 96% of their ad valorem tax collections.

Mr. Crosley noted that during discussions by a previous Board, the larger counties felt that the smaller counties should be contributing towards the maintenance of the waterway and set the 80% funding cap for the assistance program.

Secretary Donaldson stated that the District has two (2) missions and the first one is navigation and maintenance. The District's overall maintenance and capital fund outlay requires 50% of the District's ad valorem tax collections. He understands not fully funding the 80% for the assistance program, in fact you could make an argument that the assistance program funding percentage should be reduced to 60%. He noted that there is always some

assistance funding that is not awarded because not every county or applicant applies for full funding. Because of growth, the smaller counties ad valorem tax collections will be going up and the larger counties ad valorem tax collections are going down. He asked if a county could carry-forward funding not used during a previous grant cycle.

Attorney Breton stated that each fiscal year the District adopts a budget and funding is on an annual basis. Secretary Donaldson asked that carry-forward funding be researched.

Chair Cuzzo asked for clear direction to staff with what this Board wants them to bring back to another meeting.

Commissioner Williams indicated he would like all assistance projects to be ranked. Any funding not used by a county should go into a general assistance fund and be allocated to projects not fully funded, starting with the highest ranked project and go down the line until the general fund is depleted.

Commissioner Isiminger read the statute and questioned how many Florida Legislators would want the District to provide financial assistance to any county that is not proportional to the amount of that county's ad valorem tax collections. He stated that his county is one of the counties that has been referred to as a "fat cat", and noted that these "fat cat" counties are funding the dredging in the smaller counties. Now, the smaller counties do not want to contribute a little bit of funding to help maintain their waterways. They are now asking to use all their county's ad valorem tax collections for grant projects and then request additional funding from other counties for their grant projects, and he does not agree. The Florida Legislature authorized the District to have a Waterways Assistance Program, he does not see where the legislature stated the grant program was the District's

primary mission. He feels that the District's grant program would be much better if it was more competitive and only the best projects received funding.

Commissioner Blow made a motion to approve leaving the Waterways Assistance Program funding level at 80% of each county's ad valorem tax collections. The motion was seconded by Commissioner Crowley. Chair Cuzzo asked for discussion.

Treasurer McCabe stated that this type of discussion is healthy, she benefits from hearing from all the commissioners and the different perspectives and she respects all the opinions.

Commissioner Sansom stated that he is disappointed that the Board has not determined a way to build flexibility into the District's Waterways Assistance Program.

Chair Cuzzo asked for any additional discussion. Hearing none, a vote was taken and the motion passed. Commissioners Williams and Sansom voted against the motion.

**ITEM 14.     Scope of Services and Fee Quote for Professional Engineering Services to Update the Volusia County Dredged Material Management Plan (DMMP), Volusia County, Florida.**

Mr. Crosley stated that Taylor Engineering has successfully completed the Long-Range Dredge Material Management Plan (DMMP) updates for Nassau, Duval, St. Johns and Flagler Counties. Some of these plans were over 20 years old and site conditions, permitting changes, operational concerns and the need to have the plans summarized and produced in a consumer-friendly format, support the necessary updates. Taylor Engineering has submitted a scope of work and fee quote to update the Volusia County DMMP.

Treasurer McCabe made a motion to approve the scope of work and fee quote in the amount of \$134,263.00. from Taylor Engineering for an update to the Volusia County

Dredge Material Management Plan (DMMP), Volusia County, Florida. The motion was seconded by Vice-Chair Netts. Chair Cuozzo asked for any additional discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 15. Access Easement Agreement with City of Boca Raton for Ingress/Egress at Material Storage Area 684A (Spanish River Park), Palm Beach County, Florida.**

Ms. Zimmerman stated that Material Storage Area (MSA) 684A is identified as the District's Long-Range Dredge Material Management Area for Reach IV in Palm Beach County. Currently, this site does not have designated access. The City of Boca Raton has agreed to grant the Florida Inland Navigation District (FIND) a perpetual, non-exclusive ingress and egress easement to MSA 684A (also known as Spanish River Park) which will allow access to the site from North Ocean Blvd, Boca Raton, Florida. Staff has worked with our attorney to draft a proposed Access, Ingress and Egress Easement for this site.

Treasurer McCabe made a motion to approve the Access Easement Agreement with the City of Boca Raton for ingress and egress at MSA 684A (Spanish River Park), Palm Beach County, Florida. The motion was seconded by Commissioner Williams. Chair Cuozzo asked for any additional discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 16. Lease Agreement with City of Boca Raton for Public Access Purposes at Material Storage Area (MSA) 690, Boca Raton, Palm Beach County, Florida.**

Ms. Zimmerman stated that the City of Boca Raton has requested to lease the 10.28 acres of MSA 690 within the City of Boca Raton, for the purposes of a passive recreational park. Activities will include clearing invasive vegetation and constructing a walking trail that will connect to Rutherford Park. The site is not identified as a primary Dredged



Material Management Area (DMMA) in the District's Long-Range Dredged Material Plan. Staff has worked with the District's attorney to draft a proposed 25-year lease agreement with provisions for maintenance and invasive plant removal.

Treasurer McCabe made a motion to approve a 25-year lease agreement with the City of Boca Raton for the passive recreational use of MSA 690, Palm Beach County, Florida. The motion was seconded by Commissioner Sansom. Chair Cuozzo asked for any additional discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 17. Bid Approval to Engage the Services of a Marine Environmental Consultant for a Post-Construction Benthic Resource Survey of the Intracoastal Waterway Within St. Lucie Dredging Reach 1, St. Lucie County, Florida.**

Mr. Crosley stated that maintenance dredging of a portion of the Intracoastal Waterway (IWW) in Cut SL-5 of St. Lucie Reach I is nearly completed. Special Conditions within the project-specific authorization and the RGP requires a post-construction survey to document any impacts to seagrass or other aquatic resources. The District provided a Request for Proposal (RFP) to six (6) qualified firms on May 2, 2017 and three (3) responses were received on May 16, 2017 and were ranked and reviewed for qualifications, past performance, and price.

Secretary Donaldson made a motion to approve the RFP respondent list, as presented, to conduct a post-construction benthic resources survey of the IWW for St. Lucie Reach 1 maintenance dredging project, St. Lucie County, Florida. The motion was seconded by Vice-Chair Netts. Chair Cuozzo asked for any additional discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 18. Bid Approval to Engage the Services of a Landscaping Firm to Establish a Native Vegetation Buffer at Material Storage Area 610/611, Palm Beach County, Florida.**

Mr. Crosley stated that the District provided a Request for Proposals (RFP) to four (4) qualified firms on May 9, 2017 and two (2) responses were received on May 17, 2017 and were ranked and reviewed for qualifications, past performance, and price.

Commissioner Williams made a motion to approve the qualified bid list for a landscaping firm to establish a perimeter native vegetative buffer at MSA-610/611, Palm Beach County, Florida. The motion was seconded by Treasurer McCabe. Chair Cuzzo asked for any additional discussion. Hearing none, a vote was taken and the motion passed.

**ITEM 19. Nomination of Officers Committee Report.**

Commissioner Sansom presented the Nomination Committee's recommendations for District Officers for 2017-2018 are, Vice-Chair Netts as Chair, Treasurer Donaldson as Vice-Chair, Commissioner Blow as Treasurer, and Commissioner Gernert as Secretary for the period of June 2017 through May of 2018.

Chair Cuzzo asked if there were any other commissioners who would like to be considered as a District Officer. There were none.

Commissioner Sansom made a motion to approve; Vice-Chair Netts as Chair, Treasurer Donaldson as Vice-Chair, Commissioner Blow as Treasurer, and Commissioner Gernert as Secretary for the period of June 2017 through May of 2018. The motion was seconded by Commissioner Williams. Chair Cuzzo asked for any additional discussion. Hearing none, a vote was taken and the motion passed.

Mr. Crosley thanked Chair Cuzzo for his service.

**ITEM 20. Tallahassee Report.**

Mr. Crosley stated that Speaker Corcoran was successful in having an additional, third \$25,000 homestead exemption constitutional question placed before the electorate in November 2018. Mr. Scambler stated that if the bill was approved, it would reduce the District's ad valorem tax collections by approximately 4%.

Mr. Crosley stated that HB 7043 and SB 1338, Vessels, that address derelict vessels, was approved. Commissioner Sansom stated that the bill was passed and provides additional conditions defining when a vessel is derelict and it also provides that a vessel cannot anchor within 100 feet of a managed mooring field. The House bill restricts mooring in certain areas and provides that a vessel moored in certain areas for more than 10 days must provide proof that the vessel has on board, or has made arrangements for, appropriate sewage treatment.

Commissioner Sansom stated that the Legislature approved derelict vessel removal funding in the amount of \$1.4 million.

Commissioner Sansom stated that HB 7021, Local Government Ethics Reform, bill requiring Board members of special districts to complete four (4) hours of ethics training annually, did not pass.

**ITEM 21. Washington D.C. Report.**

Mr. Crosley stated that items of importance to the Florida Inland Navigation District (FIND), the Omnibus bill, includes \$850,000 for the Intracoastal Waterway that was requested by the Administration. The bill also includes, under the Additional Funding for Ongoing Work, \$24.365 million for Navigation Maintenance, \$46.5 million for Inland Waterways, and \$49 million for Small, Remote or Subsistence Navigation. These accounts

are utilized by the USACE during the creation of the FY 2017 Work Plan, to fund maintenance dredging projects for shallow-draft low commercial use waterways and harbors.

Mr. Crosley noted that Mr. Davenport worked with the District's congressional delegation to obtain their support in securing funding in the FY 2017 Work Plan for FIND's Intracoastal Waterway (IWW) projects. A letter was sent to Secretary Darcy on December 21 and FIND received a copy of the letter the following day. The letter was led by Representatives Lois Frankel, and supported by Representatives Alcee Hastings, Bill Posey, Debbie Wasserman Schultz, Ted Deutch, Patrick Murphy, and Carlos Curbelo. A copy of the letter was emailed to Stacey Brown, Deputy Chief for the South Atlantic Division Regional Integration Team.

Secretary Donaldson stated that the District's USACE partners have sent letters to the District's congressional delegation to obtain additional funding for FIND's projects. He asked about the Chairman authorizing staff to draft a letter of support to the USACE.

**ITEM 22. Additional Staff Comments and Additional Agenda Items.**

Mr. Crosley noted that the FIND June 16 and 17, 2017 two-day grant meeting will be held in Brevard County. The meeting will be held at the Doubletree in Cocoa Beach.

**ITEM 23. Additional Commissioners Comments.**

Commissioner Isiminger noted that it was nice to be on the waterway for last evening's Community Outreach Event and stated that the tour was very interesting.

Secretary Donaldson thanked Chair Cuzzo for his service and stated that it has been a pleasure serving with him.

Chair Cuozzo thanked this Board for allowing him to serve as Chair for the last year and noted that it is an honor and a pleasure to work with the FIND commissioners and staff.

**ITEM 24.     Adjournment.**

Chair Cuozzo stated that hearing no further business the meeting was adjourned at 12:46 a.m.

### **Dredged Material Management Plan.**

Phase I of the Dredged Material Management Plan (DMMP) for the Intracoastal Waterway (IWW) in Brevard County was completed in 1989. This plan identified an estimated dredging requirement of approximately 4 million cu/yds of material over the next fifty (50) years, divided into 6 dredging reaches at the authorized federal channel depth of -12 feet. Phase II of the DMMP was completed in 1994, identifying 8 properties for the development of Dredged Material Management Areas (DMMA's). All major land acquisition was completed in 1997. *(Please see the attached location maps).*

The 50-year storage projection for the 70 miles of channel in Brevard County is approximately 7.6 million cu/yds, the third highest of the District's 12 counties.

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

Dredged Material Management Areas (DMMA) BV-2C, BV-NASA, and BV-52 have been fully constructed. Phase I development (clearing, fencing etc.) has been completed at DMMA's BV-4B, BV-R, BV-11, and BV-40. The permit application for the construction of BV-4B has been submitted and site construction is expected to occur in early 2018. Permitting and engineering for DMMA BV-24A, in association with the exchange of property with Brevard County, is on schedule for completion in late 2017. Permitting and engineering for DMMA BV-11 is expected to start in late in 2017.

In 2016, Brevard County successfully utilized DMMA BV-52 for muck dredging of Turkey Creek. This project revealed the need to re-construct the weirs at this DMMA, and the engineering has initiated for this project. The County also has plans to temporarily utilize DMMA BV-4B for muck dredging in the vicinity of the Mims public boat ramp.

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### **Waterway Dredging**

The most recent dredging of the IWW in Brevard County occurred in 2000 when approximately 1.2 million cu/yds of material was dredged from Dredging Reach 1 in the northern part of the county and placed in DMMA BV-2C. Brevard County is undertaking several muck dredging projects for environmental benefits. Some of these projects are utilizing District DMMA's for material dewatering and material handling. Additional opportunities with the County for cooperation and site utilization are expected in the near future.

Plans to dredge Brevard Reach II will follow the completion of the construction of DMMA BV-4B, expected by 2018.

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### **Waterways Economic Study**

The initial Brevard County Waterways Economic Study, completed in 2003, determined that there were approximately 407 waterway-related businesses within the county. The study was updated in December of 2011 and found that waterway-related businesses employed 3,652 people, with salaries of approximately \$122 million, a total positive economic impact of \$580 million, and additional tax revenues generating \$21.5 million.

Estimated losses from the 2007 recession were 5,936 future jobs and \$936 million in future waterway-related sales. There are currently more than 33,000 registered vessels in the county.

The projected decrease in maintenance of the channel to only -5 feet is projected to result in an estimated 50% decrease in these numbers, while deepening the channel greater than the currently authorized depth of -12 feet results in only a 5% increase in economic output. *(Please see the attached location map of marine-related businesses).*

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### **Waterways Assistance Program**

Since 1986, the District has provided \$12.5 million in Waterways Assistance Program funding to 132 projects in the County having a total constructed value of \$34.5 million. The County, the City of Cocoa, the City of Cocoa Beach, the City of Melbourne, the City of Palm Bay, the City of Satellite Beach, the City of Titusville, the Town of Melbourne Beach, the Sebastian Inlet District, and the Town of Palm Shores have participated in the program. *(Please see attached project listing and location map).*

Notable projects funded include: The South County Boat Launch, Lee Wenner Park Improvements, Crane Creek Promenade, AIS Lagoon House, Blue Crab Cove, Kennedy Point Park, Derelict Vessel Removal, Titusville Marina Improvements, Cocoa Beach and Melbourne dredging projects, Turkey Creek dredging, Melbourne Beach Historic Pier, and Veteran's Memorial Pier.

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### **Cooperative Assistance Program**

The District's Cooperative Assistance Program has provided funding assistance for 39 projects with elements in Brevard County totaling \$5.8 million in District assistance for \$34 million worth of constructed projects. These projects include: Florida Marine Patrol Officer Funding; Sebastian Inlet State Park Boat Ramp Dredging & Dock, Sebastian Inlet State Park Environmental Enhancements, Manatee Viewing Piers and Canoe Docks at the Sebastian River Buffer Preserve, Muck Removal in Crane Creek, Turkey Creek and the Sebastian River, the Indian River Lagoon Boaters Guide, and the Eau Gallie River Muck Dredging project.

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### **Interlocal Agreement Program**

The District's Interlocal Agreement Program has provided funding assistance for 6 projects with elements in Brevard County: Clean Marina Program; Clean Vessel Act, and Spoil Island Restoration Projects.

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### **Waterway Clean Up Program**

The District has successfully partnered with Keep Brevard Beautiful for numerous years on waterway clean-up projects in Brevard County.

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

In addition to several assistance program grants for derelict vessel removal, Brevard County has consistently and successfully applied for projects through the Small-Scale Derelict Vessel Removal Program.

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

Spoil Islands in Brevard County have been improved through the Small-Scale Spoil Island Enhancement and Restoration Program by having trails cut, fire rings installed, picnic tables installed, information kiosks installed, and exotic vegetation removed. These cooperative projects were accomplished by partnering with FDEP, the County, the City of Satellite Beach and numerous community volunteers, and have totaled approximately \$29,000 in District funding.

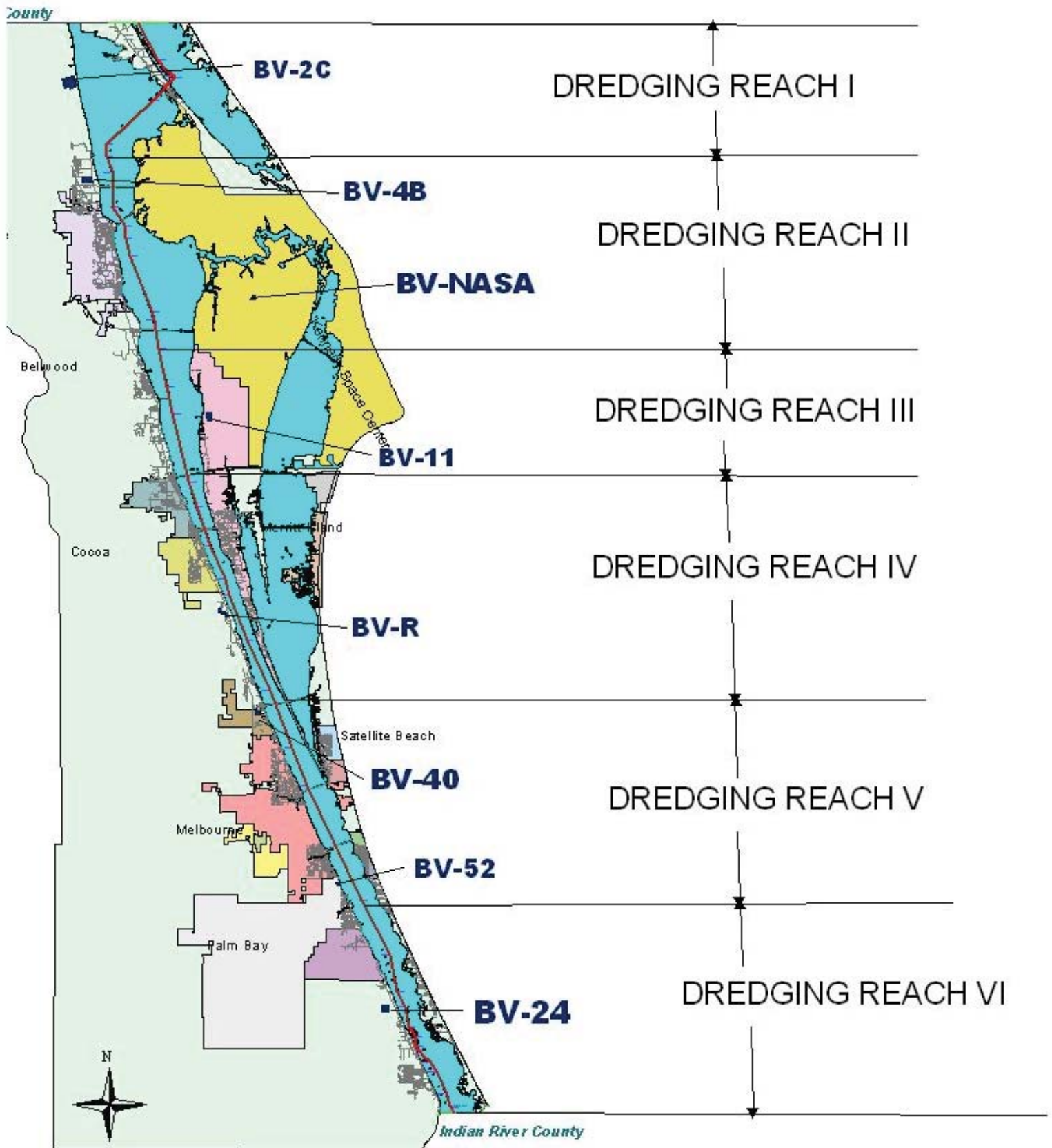
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### **Public Information Program**

The District distributes general waterway information, as well as information specific to Brevard County. Waterway information and useful links are available on the District's website at <http://www.aicw.org/>.



Attachment 1  
INTRACOASTAL WATERWAY  
DREDGING REACHES AND  
DREDGED MATERIAL MANAGEMENT AREAS  
IN BREVARD COUNTY





# DMMA BV-2C



 FIND Easement  
 FIND Owned





DMMA BV-4B

Legend  
BV-2C

BV-2C

Aurantia Rd

Indian River Park Segui Grant

Dixie Way



1000 ft



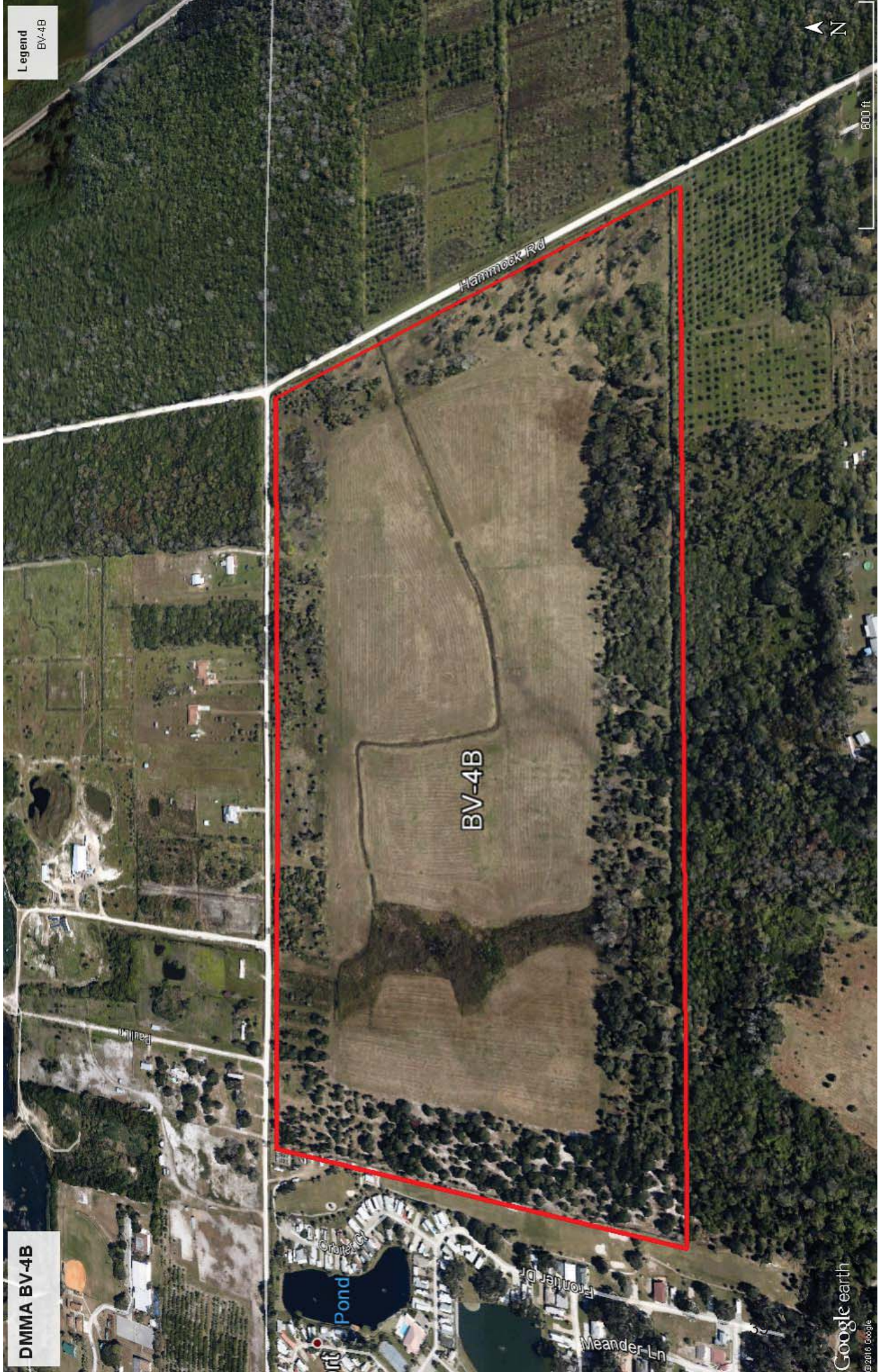
# DMMA BV-4B



-  FIND Easement
-  FIND Owned





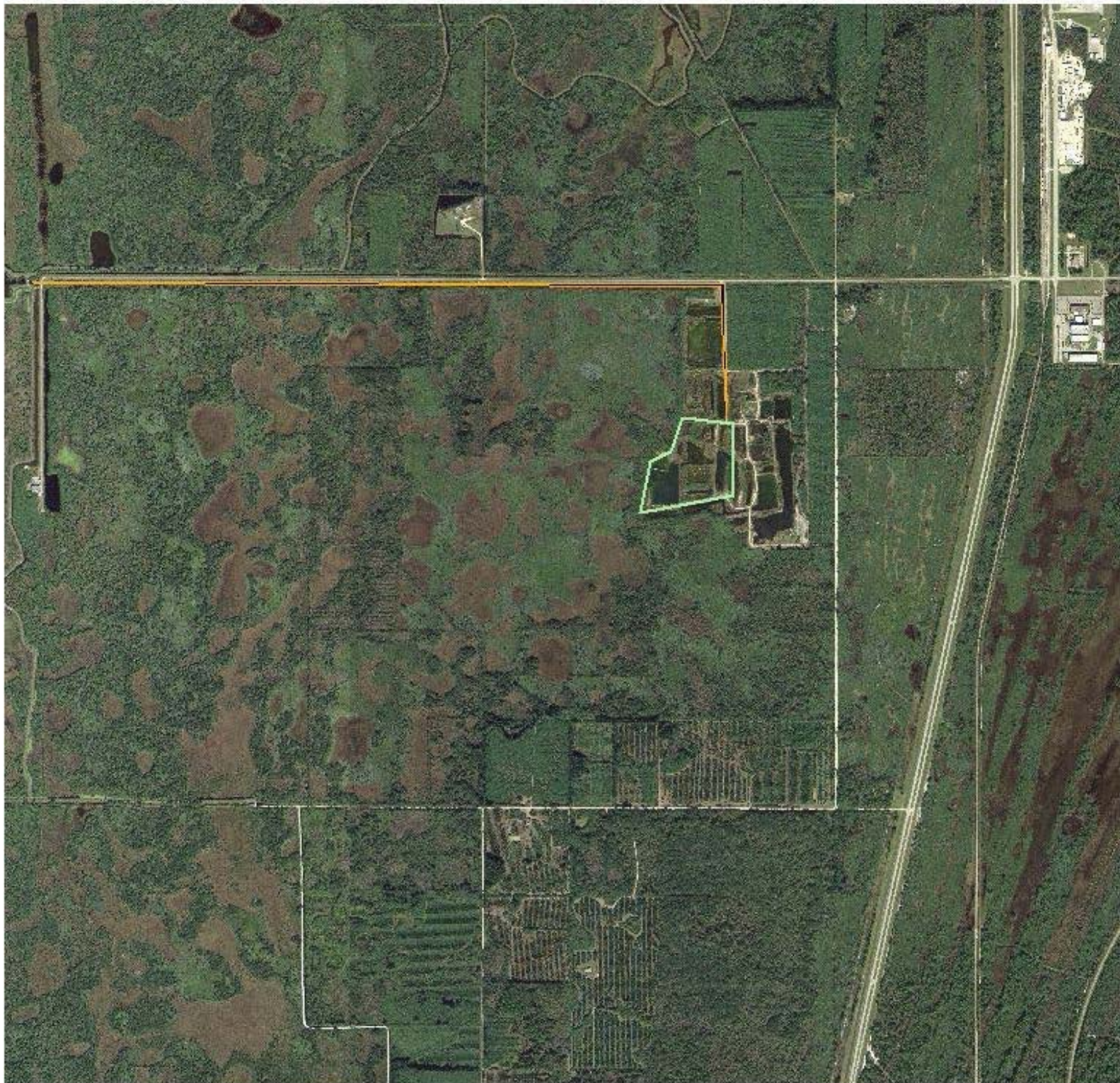


DMMA BV-4B

Legend  
BV-4B



# DMMA BV-NASA



-  FIND Easement
-  FIND Owned

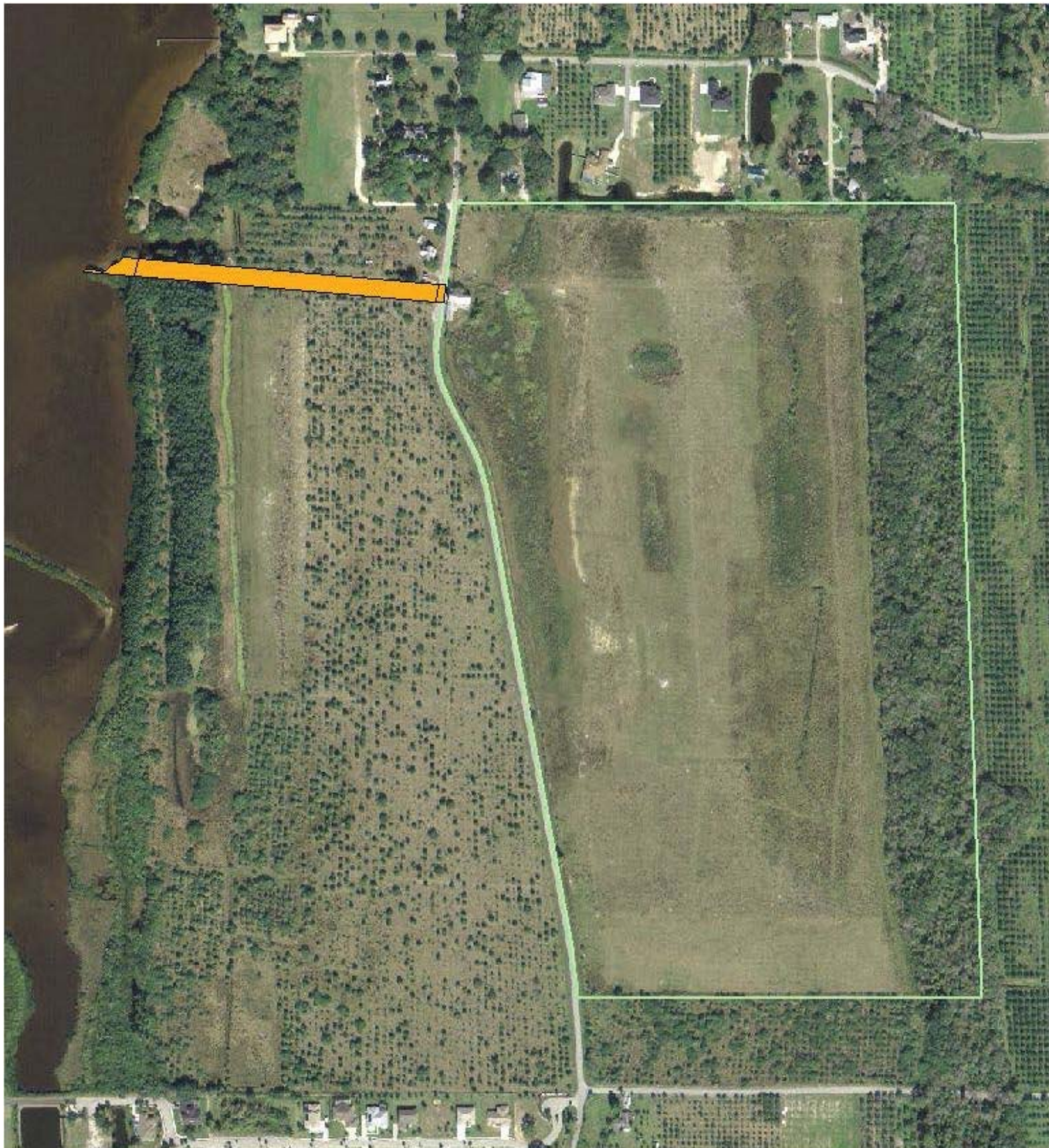








# DMMA BV-11



-  FIND Easement
-  FIND Owned







DMMA BV-11

Legend  
BV-11



# DMMA BV-R



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







Legend  
BV-R



DMMA BV-R





 FIND Easement  
 FIND Owned

**DMMA BV-40**







DMMA BV-40



# DMMA BV-52



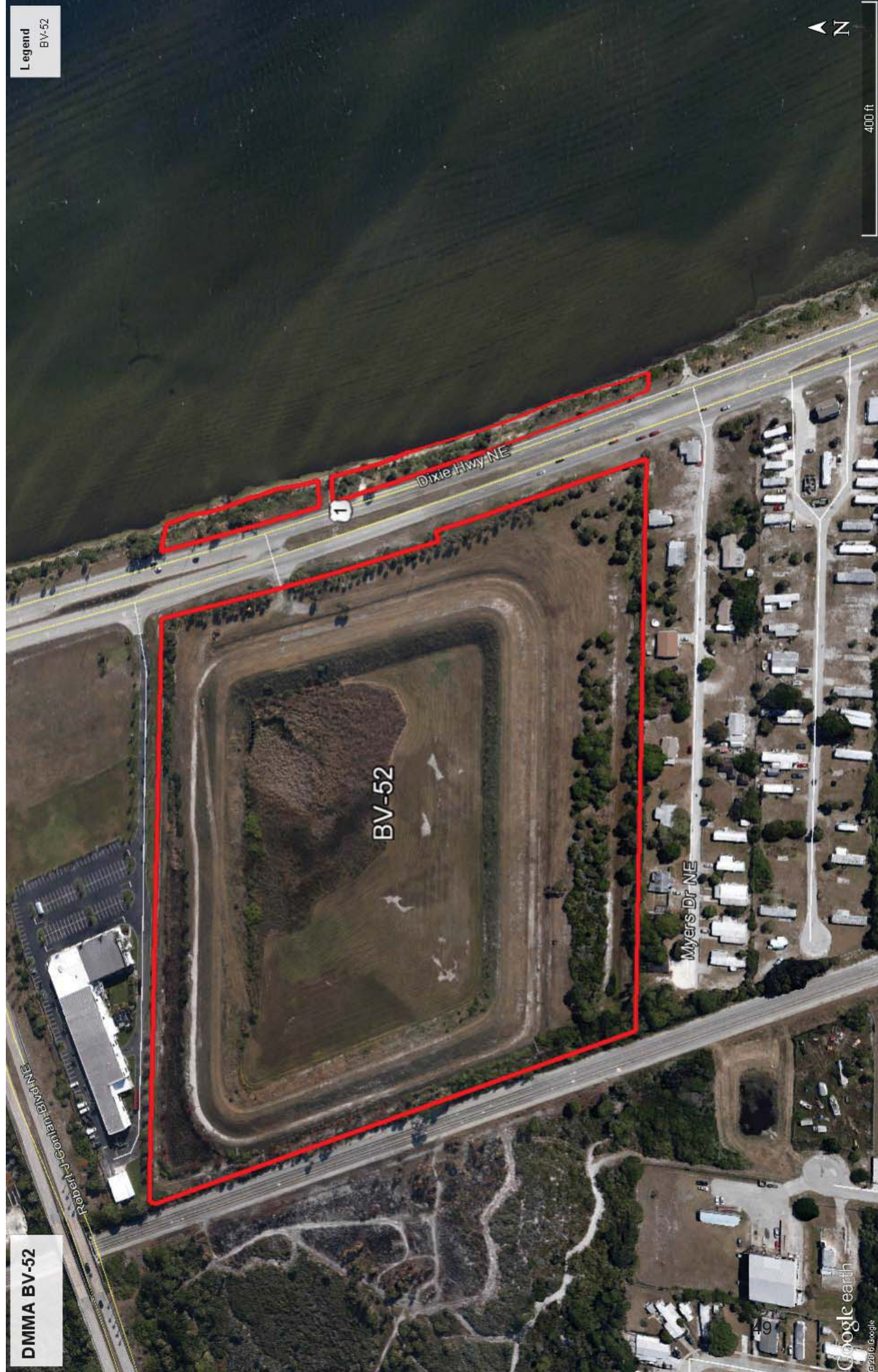
-  FIND Easement
-  FIND Owned
-  Channel
-  ICW Right-of-Way





DMMA BV-52

Legend  
BV-52



BV-52

Dixie Hwy NE

Myers Dr NE

400 ft

N

Google earth

©2016 Google





DMMA BV-24

This is an aerial photograph of a coastal region. A green rectangular box on the left side of the image is labeled 'DMMA BV-24'. An orange line originates from the right edge of this box and extends horizontally towards the right, where it turns diagonally towards a body of water in the upper right corner. The landscape is a mix of green vegetation, brownish patches, and some buildings or structures in the upper right. A road or path runs diagonally from the bottom left towards the top right.





DMMA BV-24

Legend  
BV-24



# ECONOMIC BENEFITS OF THE DISTRICT'S WATERWAYS



## Purpose

To update economic benefits in Brevard County of marine-related activities on the District Waterways, as previously estimated in *An Economic Analysis of the District's Waterways in Brevard County*, February 2003, 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

- \$580.2 million in business volume
- \$122.3 million in personal income
- 3,652 jobs
- \$21.5 million in tax revenue

### Impacts of Cessation of Waterways Maintenance

- Decrease of \$403.6 million in business volume
- Decrease of \$79.3 million in personal income
- Decrease of 2,418 jobs
- Decrease of \$11.8 million in tax revenue

### Impacts of an Increase in Waterways Maintenance

- Increase of \$21.4 million in business volume
- Increase of \$5.0 million in personal income
- Increase of 161 jobs
- Increase of \$1.0 million in tax revenue

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

- Decrease of \$935.5 million in business volume
- Decrease of \$197.0 million in personal income
- Decrease of 5,936 jobs
- Decrease of \$31.7 million in tax revenue

## Economic Benefits as of April 2011

BREVARD COUNTY



# ECONOMIC BENEFITS OF THE DISTRICT'S WATERWAYS

## BREVARD COUNTY

### The Intracoastal Waterway

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

### The Navigation District

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

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

### Source of Data Used in This Analysis

The economic benefits of the Waterways were estimated in February 2003 in *An Economic Analysis of the District's Waterways in Brevard County*.

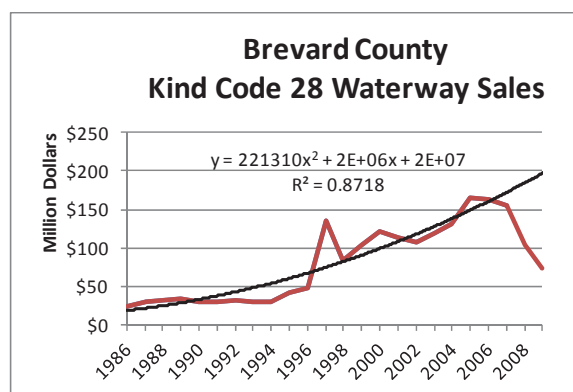
### Updating of Previously Estimated Benefits

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 Brevard County decreased by 53 percent; if the recession had not occurred, it is estimated that gross sales from 2007 to 2009 would have increased by 26 percent.



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

- Current existing conditions: \$30.9 million
- Cessation of maintenance: \$25.7 million
- Increased maintenance: \$30.9 million
- Assuming no recession: \$46.8 million

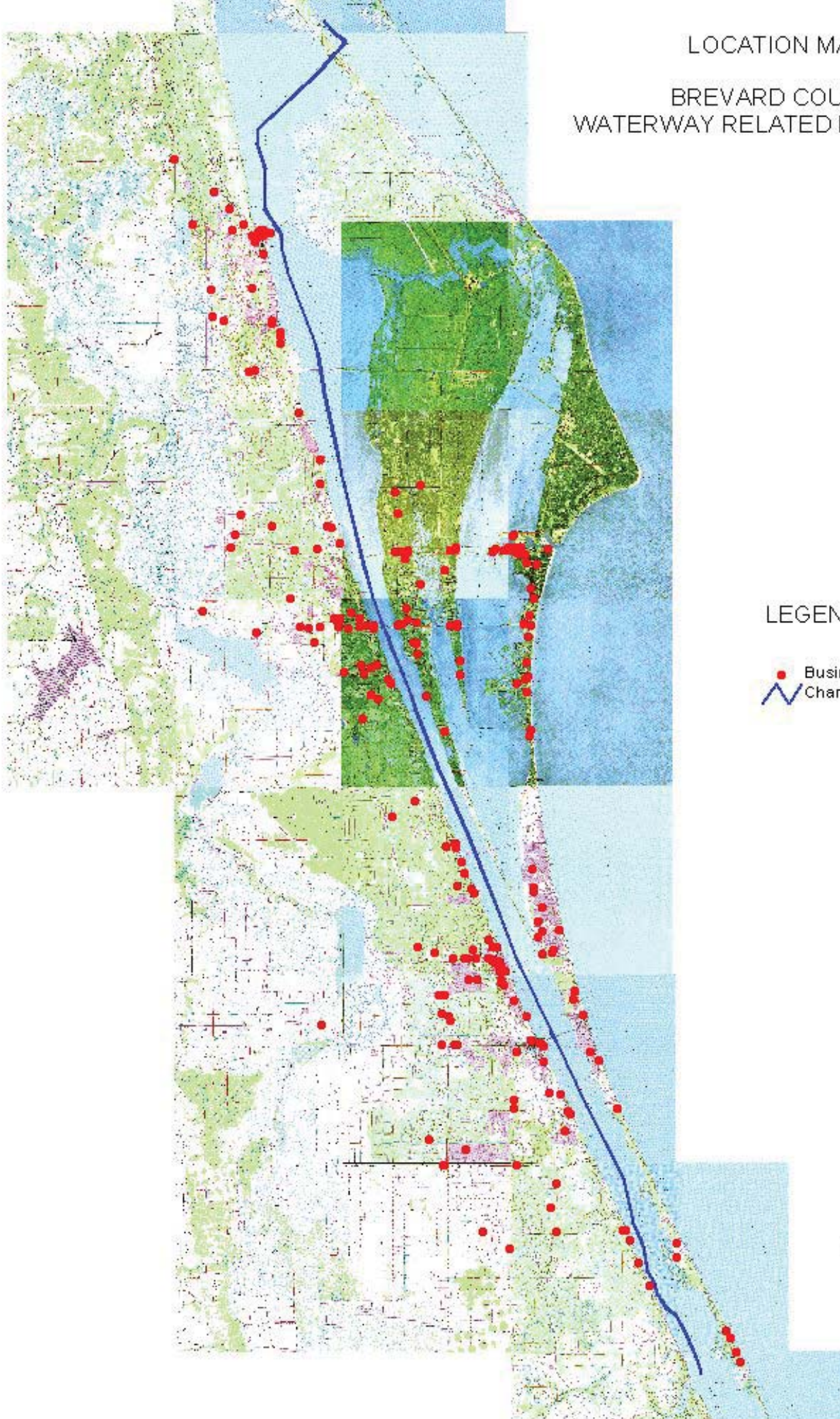
### Vessel Draft Restrictions Assumed for Each Scenario

- Current existing conditions: 6.5 feet MLW
- Cessation of maintenance: 3 feet MLW
- Increased maintenance: 12 feet MLW
- Assuming no recession: 6.5 feet MLW



## LOCATION MAP

### BREVARD COUNTY WATERWAY RELATED BUSINESSES



## LEGEND

- Businesses.shp
- Channel



<b>Project Name</b>	<b>Project Number</b>	<b>Project Sponsor</b>	<b>Grant Amount</b>	<b>Total Cost</b>
Banana River/ Newfound Harbor Channel Marker - Phase I	BV-00-55	Brevard County	\$25,000	\$27,777
Lee Wenner Park Improvements - Phase I I	BV-00-56	Brevard County	\$279,469	\$566,436
Rotary Riverfront Park Dock Replacement - Phase I	BV-00-57	Brevard County	\$6,757	\$13,696
Space View Park Dock Replacement - Phase I & I I	BV-00-58	Brevard County	\$32,672	\$70,840
Marine Intracoastal Enforcement Program	BV-00-59	Brevard County S. O.	\$5,739	\$7,652
Banana River/ Newfound Harbor Channel Markers	BV-01-63	Brevard County	\$58,500	\$65,000
Coastal Resources & Ecosystems D.M.E. Project	BV-01-64	Brevard County	\$30,000	\$60,000
P.O.W./ M.I.A. Park Boat Launch Improvements	BV-01-65	Brevard County	\$136,837	\$276,187
Rotary Riverfront Park Dock Replacement - Phase I I	BV-01-66	Brevard County	\$45,650	\$91,300
Kelly Park East Improvements	BV-02-69	Brevard County	\$80,000	\$160,000
Kelly Park East Mooring Dock	BV-03-73	Brevard County	\$27,800	\$55,600
Riverwalk - A Family Park Nature Center	BV-03-74	Brevard County	\$140,000	\$280,000
Parrish Park - Titusville Boat Ramps	BV-03-75	Brevard County	\$152,200	\$560,000
Marine Intracoastal Enforcement Program - I I	BV-03-76	Brevard County	\$20,000	\$40,000
Chain Of Lakes Recreation Complex - Phase I ( Expired)	BV-06-86	Brevard County	\$107,500	\$215,000
South County Boat Launch - Phase I	BV-06-87	Brevard County	\$55,231	\$110,462
Derelict Vessel Removal	BV-08-93	Brevard County	\$20,825	\$41,650
A. Max Brewer Memorial Causeway Catwalks	BV-08-94	Brevard County	\$428,814	\$857,628
South County Boat Launch - Phase I I	BV-08-95	Brevard County	\$500,000	\$2,261,700
Marina Park Boat Launch	BV-09-98	Brevard County	\$330,145	\$1,632,000
Indian Bay Channel Marker Project	BV-09-99	Brevard County	\$13,375	\$26,753
Parrish Park Boat Dock	BV-1	Brevard County	\$6,250	\$25,000
Blue Crab Cove	BV-10-103	Brevard County	\$596,500	\$2,825,000
Griffs Landing At Blue Crab Cove - Phase I	BV-11-105	Brevard County	\$56,250	\$112,500
Kelly Park East Boat Dock & Seawall Replacement	BV-11-106	Brevard County	\$148,750	\$297,500
Griffis Landing At Blue Crab Cove - Phase I I	BV-12-110	Brevard County	\$304,241	\$608,482
Derelict Vessel Removal - 2012	BV-12-111	Brevard County	\$22,850	\$45,700
Kelly Park East Floating Dock	BV-12-112	Brevard County	\$71,500	\$162,500
Griffis Landing at Blue Crab Cove Phase B	BV-13-117	Brevard County	\$394,000	\$788,000
John Jorgensen's Landing Boat Ramp Dock Replacement	BV-13-118	Brevard County	\$9,400	\$18,800
POW MIA Park Channel Dredging Ph I	BV-13-119	Brevard County	\$35,000	\$70,000
Channel Markers & Signs	BV-2	Brevard County	\$12,650	\$50,600
Long Point Park Bridge	BV-3	Brevard County	\$7,500	\$30,000
Kiwanis Point Park Improvements	BV-87-5	Brevard County	\$40,000	\$80,000
Port St. John's Boat Ramp Park	BV-87-6	Brevard County	\$25,000	\$50,000
Lee Wenner Park Shoreline Stabilization	BV-87-7	Brevard County	\$15,000	\$30,000
Channel Markings	BV-87-8	Brevard County	\$12,500	\$25,000
Long Point Bridge/Dock Improvements	BV-87-9	Brevard County	\$10,000	\$20,000
Derelict Vessel Removal	BV-88-11	Brevard County	\$50,000	\$200,000
Wayside Park Design	BV-89-15	M. I. Redevelop Agency	\$20,000	\$40,000



<b>Project Name</b>	<b>Project Number</b>	<b>Project Sponsor</b>	<b>Grant Amount</b>	<b>Total Cost</b>
Veterans Memorial Park	BV-90-17	Brevard County	\$28,000	\$57,770
Intracoastal Waterway Park	BV-90-18	Brevard County	\$70,000	\$183,000
Indian River Lagoon Channel Marking	BV-91-19	Brevard County	\$90,000	\$90,000
Fisherman's Landing Boat And Fishing Pier ( Expired)	BV-91-20	Brevard County	\$20,000	\$40,000
Constitution Park Shoreline Stabilization ( Expired)	BV-92-25	Brevard County	\$15,000	\$30,000
Seawall & Dock Repair @ Haulover Canal	BV-93-28	Brevard County	\$60,000	\$211,000
Spessard Holland Golf Course Shoreline Stab. - Phase I	BV-93-29	Brevard County	\$4,000	\$8,000
Kennedy Point Park - Phase I	BV-93-30	Brevard County	\$9,000	\$20,000
Spessard Holland Golf Course Shoreline Stabilization	BV-94-33	Brevard County	\$89,896	\$179,792
First Street Boat Ramp	BV-95-35	Brevard County	\$30,000	\$60,000
Fisherman's Landing Boating & Fishing Dock	BV-95-36	Brevard County	\$20,000	\$40,000
Kennedy Point Park - Phase II	BV-96-37	Brevard County	\$155,269	\$800,832
Merritt Island Waterway Maintenance Dredging	BV-96-38	Brevard County	\$155,269	\$479,500
Kennedy Point Park	BV-97-43	Brevard County	\$217,341	\$781,749
Marine Intracoastal Enforcement Program	BV-97-44	Brevard County S. O.	\$61,542	\$77,392
Manatee Hammock Pier & Shoreline Stabilization	BV-98-47	Brevard County	\$60,948	\$121,896
Lee Wenner Park Improvements - Phase I	BV-98-48	Brevard County	\$25,000	\$50,000
John Jorgensen's Landing Dock Replacement	BV-98-49	Brevard County	\$14,250	\$28,500
Waterways Environmental Education Canoe Project	BV-99-51	Brevard County Ext. Service	\$8,318	\$11,269
Cocoa Riverfront Park Mooring Field Ph I	BV-CO-14-123	City of Cocoa	\$25,000	\$100,000
400 Channel Dredging	BV-CB-09-100	City Of Cocoa Beach	\$183,850	\$245,150
Public Spoil Site Development - Phase I	BV-CB-11-107	City Of Cocoa Beach	\$100,000	\$200,000
Public Spoil Site Development Ph II	BV-CB-13-120	City of Cocoa Beach	\$175,433	\$400,000
Dredging of Channels No. 400 and Rock Point	BV-CB-4	City of Cocoa Beach	\$41,250	\$165,000
Channel Dredging	BV-CB-89-13	City of Cocoa Beach	\$61,000	\$135,000
Dredging of Channels	BV-CB-92-23	City of Cocoa Beach	\$110,000	\$220,323
Maintenance Dredging Of The 200 Channel	BV-CB-93-26	City Of Cocoa Beach	\$30,000	\$73,000
Banana River Park	BV-CC-14-122	City of Cape Canaveral	\$62,167	\$421,741
Lee Wenner Park Dredging & Seawall Extension	BV-CO-12-113	City Of Cocoa	\$111,750	\$223,500
Lee Wenner Park Renovation Ph 1	BV-CO-13-121	City of Cocoa	\$75,000	\$244,000
Cocoa Village Riverwalk Esplanade	BV-CO-97-45	City Of Cocoa	\$190,492	\$380,984
Re-construction Of Melbourne Beach Historic Pier	BV-MB-01-67	Town Of Melbourne Beach	\$136,500	\$273,000
Pineapple Park Shoreline Stabilization	BV-ME-00-60	City Of Melbourne	\$22,125	\$94,250
Houston Street Retaining Wall Replacement	BV-ME-02-70	City Of Melbourne	\$15,000	\$30,000
Expansion Of Eau Gallie Pier At Pineapple Park	BV-ME-06-88	City Of Melbourne	\$276,537	\$581,000
Crane Creek Promenade Reconstruction	BV-ME-09-101	City Of Melbourne	\$350,250	\$758,500
Horse Creek Non-motorized Boat Launch & Dredge - Ph I	BV-ME-12-114	City Of Melbourne	\$30,000	\$60,000
Melbourne Harbor Channel Dredge - Phase I	BV-ME-12-115	City Of Melbourne	\$40,000	\$80,000
Marina Towers Land Acquisition	BV-ME-14-124	City of Melbourne	\$358,930	\$1,435,720
Melbourne Harbor Channel Dredge Ph II	BV-ME-14-125	City of Melbourne	\$143,582	\$287,165

<b>Project Name</b>	<b>Project Number</b>	<b>Project Sponsor</b>	<b>Grant Amount</b>	<b>Total Cost</b>
Horse Creek Dredge Ph II	BV-ME-14-126	City of Melbourne	\$159,285	\$919,885
Pineapple Park Fishing Pier	BV-ME-87-10	City of Melbourne	\$14,667	\$29,334
Ballard Park Improvements	BV-ME-88-12	City of Melbourne	\$75,000	\$188,696
Lincoln Avenue Overlook Park	BV-ME-89-14	City of Melbourne	\$25,000	\$59,740
Front Street Channel	BV-ME-90-16	City Of Melbourne	\$40,000	\$103,235
Environmental Education Pavilion at Crane Creek	BV-ME-91-21	City of Melbourne	\$60,000	\$103,950
Pineapple Park Pier Repairs	BV-ME-92-24	City of Melbourne	\$7,500	\$15,000
Environmental Education Brochures & Vending Machine	BV-ME-93-27	City Of Melbourne	\$7,000	\$8,800
Pineapple Park Fishing Pier Lighting	BV-ME-94-32	City Of Melbourne	\$10,500	\$21,000
Crane Creek Dredging - Phase I	BV-ME-96-41	City Of Melbourne	\$35,000	\$70,000
Crane Creek Promenade Boardwalk Repairs	BV-ME-97-46	City Of Melbourne	\$7,000	\$14,000
Melbourne Police Department Marine Patrol Boat	BV-ME-98-50	City Of Melbourne	\$28,693	\$38,257
Ballard Park Shoreline Stabilization	BV-ME-99-54	City Of Melbourne	\$9,000	\$18,000
Intracoastal Waterway Park	BV-MI-91-22	M. I. Redevelop Agency	\$45,000	\$112,000
I R L House - Environmental Learning Center	BV-PB-00-61	City Of Palm Bay	\$100,000	\$692,500
Pollak Park Boating Safety Center & Improvements	BV-PB-01-68	City Of Palm Bay	\$107,500	\$265,000
A.I.S. Lagoon House Shoreline Stabilization	BV-PB-02-71	City Of Palm Bay	\$70,000	\$140,000
Lagoon House	BV-PB-03-77	City Of Palm Bay	\$110,750	\$1,320,000
Navigational Aids For Turkey Creek & Channel	BV-PB-03-78	City Of Palm Bay	\$29,250	\$58,500
Turkey Creek Maintenance Dredging	BV-PB-03-79	City Of Palm Bay	\$110,000	\$220,000
South Pier At Castaways Point Park	BV-PB-03-80	City Of Palm Bay	\$50,000	\$100,000
Derelict Vessel Removal	BV-PB-04-81	City Of Palm Bay	\$28,000	\$56,000
Turkey Creek Maintenance Dredging	BV-PB-04-82	City Of Palm Bay	\$75,000	\$150,000
Turkey Creek Sediment Sump	BV-PB-04-83	City Of Palm Bay	\$40,250	\$85,500
Maintenance Of Turkey Creek Navigation	BV-PB-06-89	City Of Palm Bay	\$150,000	\$300,000
Public Boat Ramp Lighting	BV-PB-07-90	City Of Palm Bay	\$33,000	\$66,000
Turkey Creek Dredging Permit Consolidation ( Expired)	BV-PB-07-91	City Of Palm Bay	\$62,500	\$125,000
Bayfront Waterfront	BV-PB-12-116	City Of Palm Bay	\$58,875	\$785,000
Turkey Creek Area Dredging	BV-PB-96-39	City Of Palm Bay	\$70,000	\$150,000
Castaways Point Park Development	BV-PB-96-40	City Of Palm Bay	\$45,000	\$205,000
Turkey Creek Channel Dredging	BV-PB-99-52	City Of Palm Bay	\$400,000	\$450,000
Shoreside Park Fishing Dock Repair	BV-PS-02-72	Town Of Palm Shores	\$50,000	\$100,000
Shoreside Park Hurricane Related Repairs	BV-PS-05-84ER	Town Of Palm Shores	\$147,390	\$419,780
Samsons Island A.D.A. Restroom	BV-SB-08-96	City Of Satellite Beach	\$15,000	\$30,000
Police Boat Engine	BV-SB-09-102	City Of Satellite Beach	\$7,265	\$14,530
Coconut Point Shoreline Stabilization - Phase I I	BV-SI-11-108	Sebastian Inlet District	\$120,000	\$240,000
Sand Pointe Slip	BV-TI-00-62	City Of Titusville	\$47,779	\$53,800
2004 Hurricane Damage - Dock Replacement	BV-TI-06-85ER	City Of Titusville	\$36,647	\$73,294
Dock E Replacement ( Withdrawn)	BV-TI-07-92	City Of Titusville	\$477,400	\$954,800
Marina Fuel Tank Replacement	BV-TI-08-97	City Of Titusville	\$49,973	\$131,508

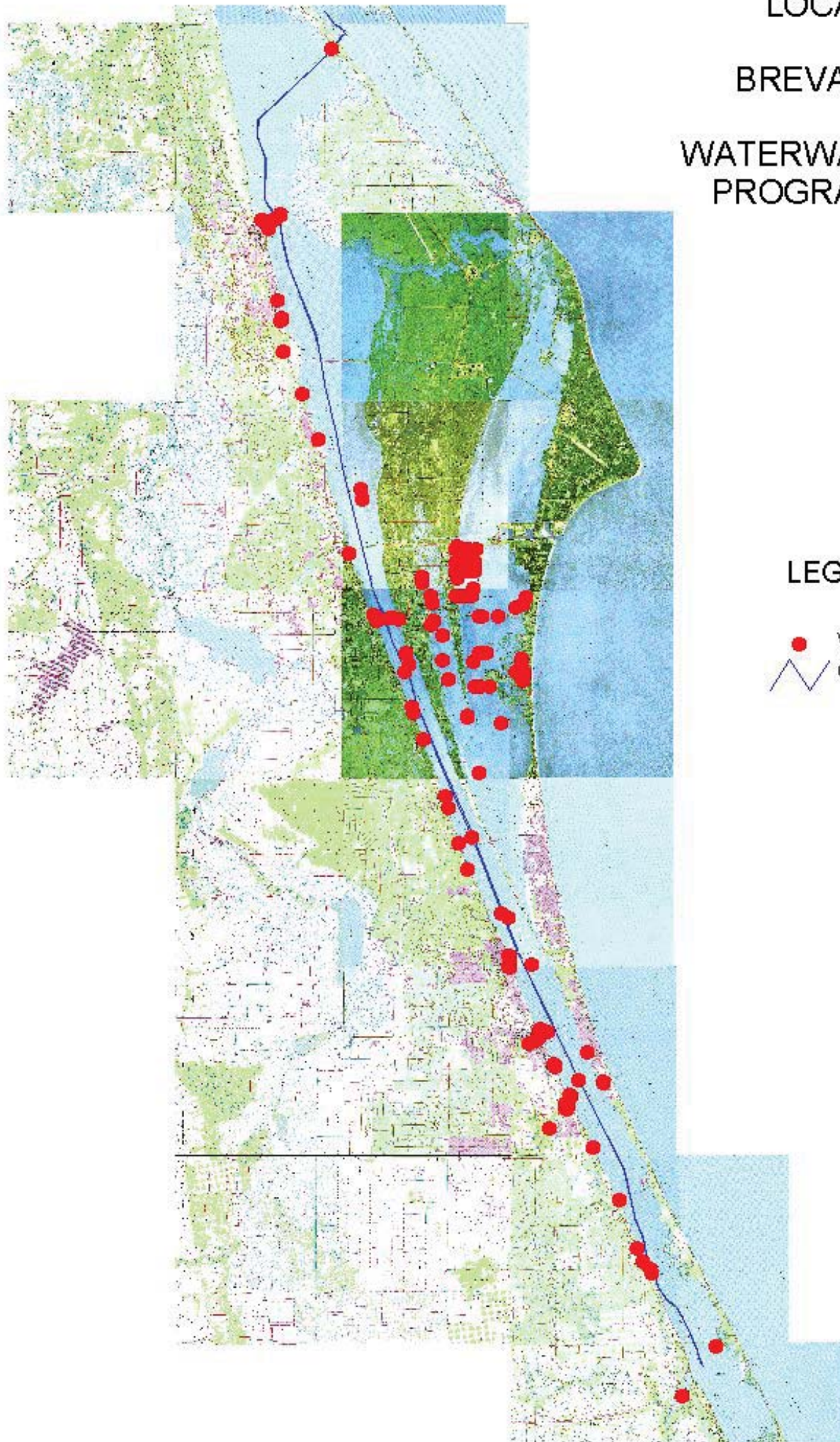
<b>Project Name</b>	<b>Project Number</b>	<b>Project Sponsor</b>	<b>Grant Amount</b>	<b>Total Cost</b>
Mooring Field Installation	BV-TI-10-104	City Of Titusville	\$185,000	\$370,000
Channel Maintenance Dredging - Phase I	BV-TI-11-109	City Of Titusville	\$52,500	\$70,000
Veterans Memorial Fishing Pier Redecking	BV-TI-94-31	City Of Titusville	\$19,050	\$38,100
Space Walk Hall Of Fame - Gemini Phase	BV-TI-97-42	City Of Titusville	\$144,252	\$447,000
Veterans Memorial Pier	BV-TI-99-53	City Of Titusville	\$115,152	\$230,304
200 Channel Dredging	BV-CB-15-127	City of Cocoa Beach	\$355,555	\$710,000
Banana River Park Kayak Launch	BV-CC-15-128	City of Cape Canaveral	\$53,505	\$107,010
POW MIA Park Channel Dredging Phase II	BV-16-129	Brevard County	\$225,000	\$450,000
Palm Bay Dredging Phase 1	BV-PB-16-132	City of Palm Bay	\$24,000	\$48,000
Rockledge Multi-purpose Day use Dock Phase I	BV-RO-16-133	City of Rockledge	\$84,000	\$168,000
Lee Wenner Park Renovations Phase II	BV-CO-16-130	City of Cocoa	\$187,500	\$375,000
Melbourne Police and Fire Boats	BV-ME-16-131	City of Melbourne	\$59,000	\$118,000
		<b>TOTALS</b>	<b>\$12,526,342</b>	<b>\$34,597,318</b>



# LOCATION MAP

## BREVARD COUNTY

### WATERWAY ASSISTANCE PROGRAM PROJECTS



#### LEGEND

- Wapinfo Channel





**COOPERATIVE ASSISTANCE PROGRAM  
PROJECT APPLICATION 2017  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	FL Department of Environmental Protection		
<b>Department:</b>	Office of the Secretary / Sustainable Initiatives		
<b>Project Title:</b>	Florida Clean Vessel Act Program		
<b>Project Director:</b>	Katie Kelly	<b>Title:</b>	Asst. Chief of Staff
<b>Project Liaison:</b> <small>(if different from Project Director)</small>	Brenda Leonard	<b>Title:</b>	Program Administrator
<b>Mailing Address:</b>	3900 Commonwealth Blvd. MS 30		
<b>City:</b>	Tallahassee	<b>Zip Code:</b>	32399
<b>Email Address:</b>	Brenda.Leonard@dep.state.fl.us	<b>Phone #:</b>	850-245-2847
<b>Project Address:</b>	FIND Counties		

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

**SIGNATURE:** Katie Kelly

**DATE:** 3/27/17

**PROJECT SUMMARY** (Please summarize project in space provided below in 2 paragraphs or less.)

This proposal for \$200,000 is to fund the construction and installation of approximately 10 pumpout or dump station facilities at marinas and boatyards over the next two years. This application will continue the DEP's partnership project with Florida Inland Navigation District (FIND) to fund pumpout projects for marinas located in the District. There have been hundreds of pumpouts installed in FIND but many more are needed to service their resident and visiting boaters.

The Clean Vessel Act Program provides grants for the installation of new pumpout facilities for the proper handling and disposal of sewage generated by boaters. Since 1994, grant funded pumpout stations in the District have collected millions of gallons of waste that may have otherwise been discharged into the Intercoastal Waterway. Projects are funded through an established grant application and review process and are reimbursed in accordance with program and state fiscal policies.



**ATTACHMENT D-3 - PROJECT INFORMATION 2017**

<b>Applicant:</b>	Dept Environmental Protection	<b>Project Title:</b>	Florida Clean Vessel Act Program		
<b>Total Project Cost: \$</b>	400,000	<b>FIND Funding Requested: \$</b>	200,000	<b>% of Total Cost:</b>	50%
<b>Amount and Source of Applicant's Matching Funds:</b>	\$200,000 in matching funds will be provided through Federal Clean Vessel Act grants and from marina participants.				

**1. Ownership of Project Site (check one):** Own: ☐ Leased: ☐ Other: ☒

**2. If leased or other, please describe lease or terms and conditions:**

Marina facilities throughout the FIND are eligible for project funding on their own property.

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

The District has provided funding for the Clean Vessel Act Program in 2001, 2003, 2006, 2009, 2012, 2015 and 2016.

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

N/A

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

10 pumpout projects

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	N/A	Click here to enter text.	Click here to enter text.
DEP	N/A	Click here to enter text.	Click here to enter text.
ACOE	N/A	Click here to enter text.	Click here to enter text.
COUNTY / CITY	N/A	Click here to enter text.	Click here to enter text.

## ATTACHMENT D-4

## COOPERATIVE ASSISTANCE PROGRAM

## APPLICATION AND EVALUATION WORKSHEET 2017

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (D-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment D-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Florida Clean Vessel Act Program
<b>Applicant:</b>	Department of Environmental Protection

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**1) PRIORITY LIST:**

- a) List the priority list category of this project from Attachment B in the application. (The application may only be of **one** type based upon the predominant cost of the project elements.)

#8 Acquisition public boat facilities.

- b) Explain how the project fits this priority category.

Construction of pumpout facilities at marinas and boat ramps throughout the District consistent with the grant requirements of the Federal Clean Vessel Act of 1992.

(For reviewer only)      47  
 Max. Available Score      \_\_\_\_\_  
 Range of Score      (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project directly relates to the ICW and the mission of the Navigation District.**

The discharge of untreated sewage by boaters is prohibited under Federal law in all areas within the navigable waters of the United States and is an existing problem associated with the ICW. Additional pumpout facilities will result in increased water quality.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

Boaters will use pumpouts when they are available and convenient. Additional pumpout stations will improve boater congestion issues around marinas caused by boaters trying to access existing pumpout stations. Pumpout vessels make it possible for pumpouts to occur without the boater needing to navigate into the marinas.

*(For reviewer only)*  
*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

Based on reporting by the marinas currently operating pumpouts located in the District approximately 600,000 gallons of sewage is collected yearly from recreational vessels using the CVA Program funded pumpouts. There are nearly 900,000 registered vessels in Florida and approximately 400,000 visiting vessels each year with at least one half of these boaters estimated to use the ICW within the District.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

There are currently an inadequate number of pumpout stations, pumpout vessels, and dump stations for boaters to safely and efficiently dispose of their sewage. Providing sufficient pumpout facilities for boaters to use is the first step in establishing their use. Yes, the pumpout facilities funded with public funds are available to everyone on a first come first served basis.

- c) Are there any restrictions placed on commercial access or use of this site?**

The facilities funded through the program are for recreational use only.

**d) Can residents from other counties of the District reasonably access and use the project?  
Explain.**

Yes, the pumpout facilities funded with public funds are available to everyone on a first come first served basis.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS:**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment D-6.**

The Department of Environmental Protection has been administering the Clean Vessel Act grant program since 1994 and has funded over 525 projects statewide. The individual pumpout projects under the umbrella of this proposal will have separate time lines associated with their projects but will be scheduled for completion before the end date of this grant.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

An active hurricane season may have an adverse impact on the completion of individual projects. However, damages sustained to facilities as a result of hurricanes may provide the opportunity for additional applicants as marinas work to rebuild their infrastructure.

*(For reviewer only)*  
*(1-3 points)*

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**5) COSTS & EFFICIENCY:**

- a) List the funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The marina receiving a FIND award will fund the first 25%; FIND will fund 37.5%; and U.S. Fish and Wildlife Service Clean Vessel Act will fund 37.5% for a total of 100% project.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

Costs of pumpout equipment and installation may be subject to nominal increases consistent with the local construction market and fuel prices to ship pumpout equipment.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

Applicants are required to provide competitive quotes or bids for construction, equipment and installation over \$2,500. This process ensures the best installation for the least cost.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**



For five (5) years following project completion, grantees may charge up to \$5.00 per pumpout. Providing pumpout services at no charge is encouraged.

*(For reviewer only)*  
*(1-6 points)*

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## 6) PROJECT VIABILITY:

- a) Does the project fill a specific need in the community? Is this project referenced or incorporated in an existing management, public assess or comp plan?**

Communities need clean water for health, recreation and employment. Proper collection and disposal of boater sewage will eliminate exposure to pathogens in the waterways. Clean waterways reduce health risks for waterway communities and are more enticing to boaters and businesses therefore increasing the economic state of the individual communities of FL.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

Grantees have a five-year commitment for reporting pumpout activity after installation under the grant agreement terms with the US Fish and Wildlife Service and the Department. Based on program history, many projects installed over five years ago are still in service and continue to report activity even though the grant agreement period and requirements have been met.

- c) Will the program result in significant and lasting benefits? Please describe any environmental benefits associated with this project.**

Florida's Marine Industry is a multi-billion dollar industry with the counties in the District experiencing the benefit of billions of dollars of that economic impact. this industry is fueled in large part by recreational boaters that make up one of the cornerstones of Florida's tourism industry as people come to Florida to enjoy sun and clean water for swimming or cruising. If the waters are not clean, boaters and tourism may go elsewhere.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 00-25  
 (Effective Date: 3-21-01, Revised 4-24-06)

## ATTACHMENT D-4A

COOPERATIVE ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET

## DEVELOPMENT &amp; CONSTRUCTION PROJECTS

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

## 7) PERMITTING:

- a) **Have all required environmental permits been applied for? (USACE, DEP and WMD) If permits are NOT required, explain why not.**

Permits are required for marina construction, dock construction. Any needed permits are checked and the marina is advised. Stationary pumpout installations typically require permits for electricity, plumbing and sewer connections. In some cases permits from local governments are needed. A permit from the Dept of Health is required if collection is piped to a holding tank. No reimbursement is made without the documentation of any needed permits.

- b) **If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work. Please provide a general cost estimate for the future Phase II work.**

N/A

- c) **Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

Acquisition of applicable permits are the responsibility of individual grantees (marina owners and operators) Grantees are encouraged to pursue permits before or as soon as they apply.

*(For reviewer only)*  
*(1-4 points)*

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**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Project design varies with each individual marina facility seeking a pumpout installation. Pumpouts can be mobile either on a dock or on water with pumpout boats. Stationary units are typically located near fuel docks to allow marina staff to perform pumpouts as well as fueling.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, decrease environmental impacts, improve water quality or reduce costs?**

Clean Vessel Act Program gives weight to those projects that are pumpout vessels which takes the service to the boater. This is especially effective for those areas with mooring fields or for servicing visiting vessels in the waterway.

*(For reviewer only)*  
*(1-2 points)*

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**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project.**

Typically, pumps are purchased from established vendors and installed in an upland area connected via piping to dockside connections near fueling areas and some are installed on the dock with piping and wiring secured under the dock accompanied with flexible hosing to accommodate movement of floating docks. Upland construction is generally done through excavation and backfilling.

- b) How are the construction techniques utilized appropriate for the project site?**

Existing facility design determines the construction techniques for each pumpout installation. Care is exercised to avoid disturbing natural areas and any surrounding wetlands and to make the project as visibly appealing as possible to the public. Some marina operators have one hookup available at the fuel dock for transient or visiting vessels to use while taking on fuel or supplies and have installed additional connections to reach all boats in their leased slips.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

More and more installations are going mobile with the purchase of pumpout vessels, which are constructed specifically for this purpose with large holding tanks to service a large number of recreational boats. The vessels are convenient for the boater. Pumpout vessels then discharge their load at facilities with pumpout installations.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials?**

Materials used for pumpout projects are PVC piping, lift stations, electric lines, pumps and concrete structures for support or containment. Most pump manufacturers supply a limited warranty and may are still in operation that were funded over 10 years ago. The U.S. Fish and Wildlife Service determined that the life cycle of pumpout facilities exceeds 5 years.

- b) Identify any unique construction materials that may significantly alter the project costs.**

N/A

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 00-25A  
(Effective Date: 3-21-01, revised 4-24-06)



## ATTACHMENT D-6

## COOPERATIVE ASSISTANCE PROGRAM 2017

## PROJECT TIMELINE

<b>Project Title:</b>	Florida Clean Vessel Act Program
<b>Applicant:</b>	Department of Environmental Protection

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-1.005(3) - Pre-agreement expenses)

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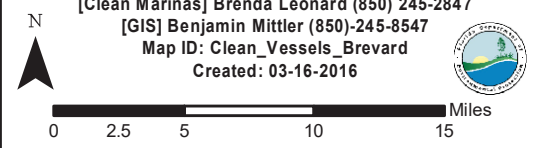
October 2017	Clean Vessel FIND Agreement executed
October 2017	Clean Vessel USFWS Agreement executed
October 2017 - June 2019	Project applications from marina facilities in FIND are accepted and processed for grant awards.
September 2019	Project complete





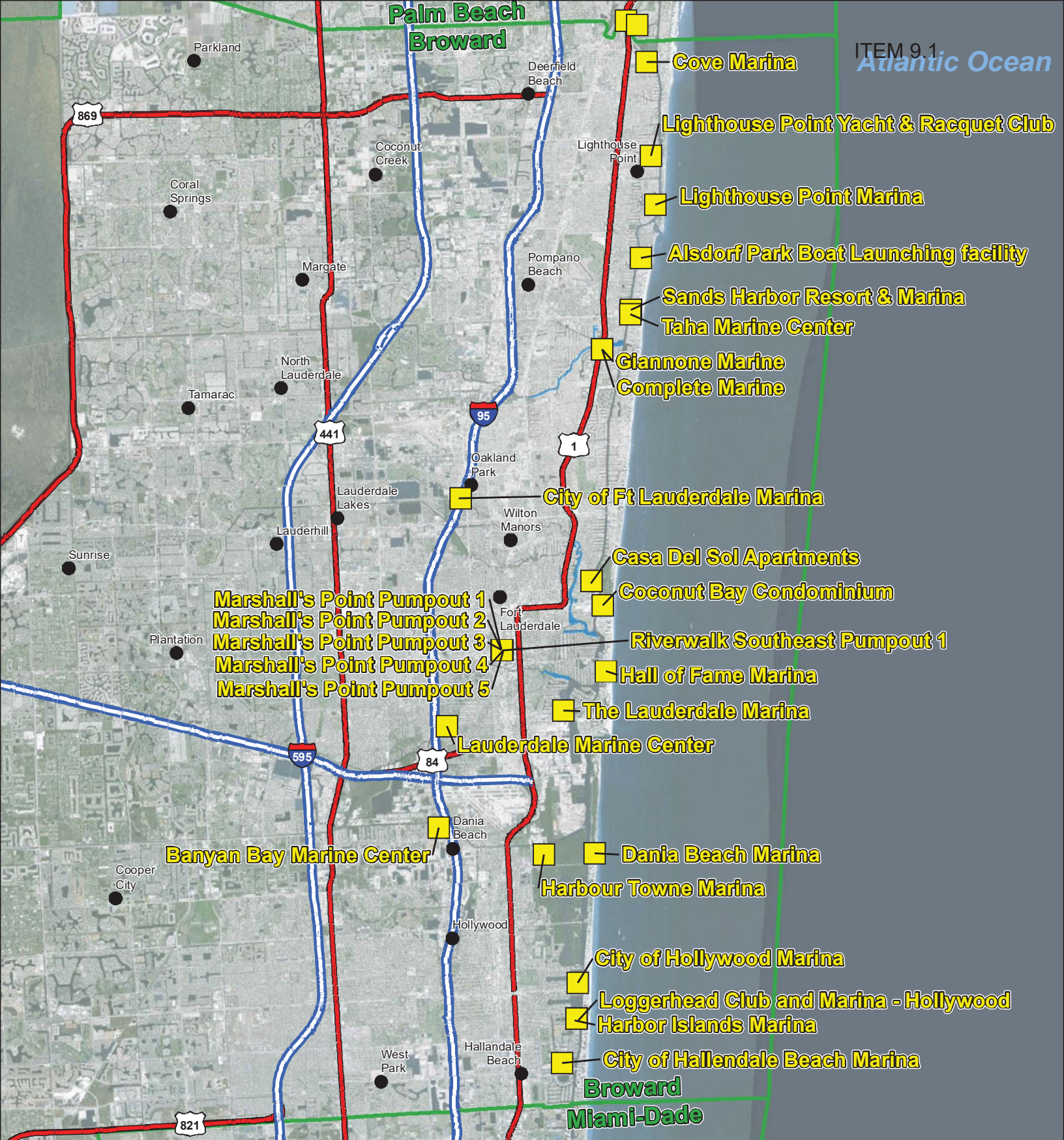
# **Florida Inland Navigation District** **Clean Vessels** **Brevard**

Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Benjamin Mittler (850)-245-8547  
Map ID: Clean\_Vessels\_Brevard  
Created: 03-16-2016



	Cities		Interstate
	Canal		Primary Highways
	Stream River		Clean Vessel
	Estuary Lake Pond		Florida Counties





**Florida Inland Navigation District**  
**Clean Vessel**  
**Broward**

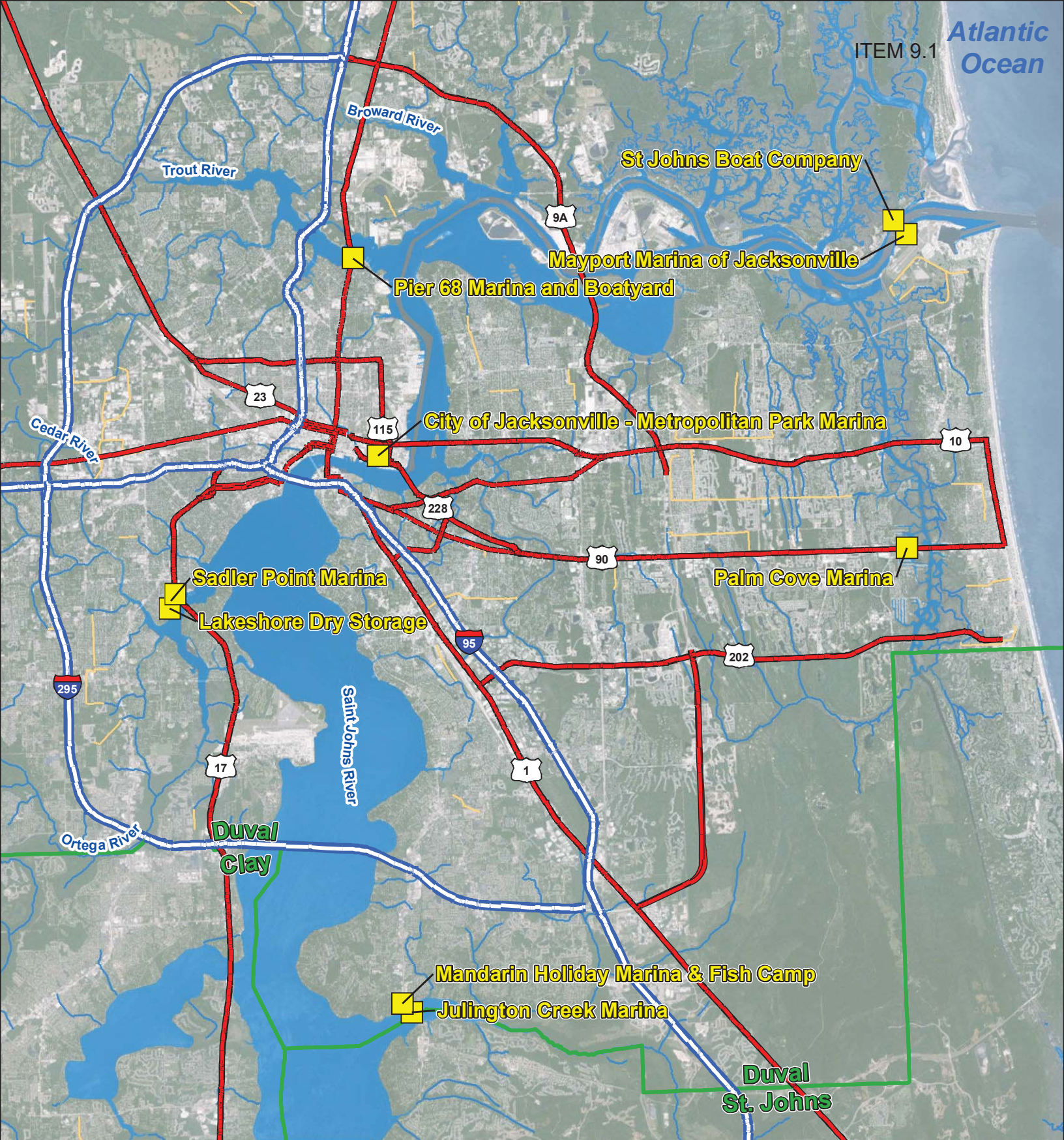
Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Benjamin Mittler (850)-245-8547  
Map ID: Clean\_Vessels\_Broward  
Created: 03-16-2016

N

0 1 2 4 6 Miles


● Cities	Interstate
Canal	Primary Highways
Stream River	Clean Vessel
Estuary Lake Pond	Florida Counties















**Florida Inland Navigation District**  
**Clean Vessels**  
**Duval**

Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
 [Clean Marinas] Brenda Leonard (850) 245-2847  
 [GIS] Benjamin Mittler (850)-245-8547  
 Map ID: Clean\_Vessels\_Duval  
 Created: 03-16-2016

 N

 Miles



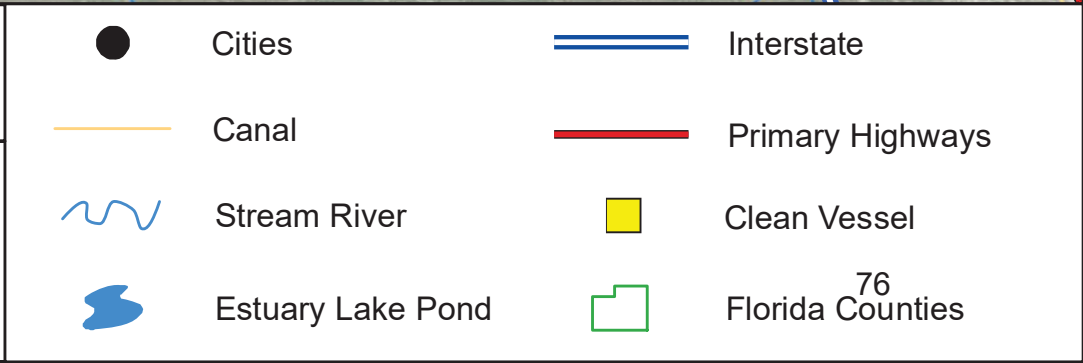
	Cities		Interstate
	Canal		Primary Highways
	Stream River		Clean Vessel
	Estuary Lake Pond		Florida Counties





# **Florida Inland Navigation District** **Clean Vessels** **Flagler**

Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
 [Clean Marinas] Brenda Leonard (850) 245-2847  
 [GIS] Benjamin Mittler (850)-245-8547  
 Map ID: Clean\_Vessels\_Flagler  
 Created: 03-16-2016







# Florida Inland Navigation District Clean Vessels Indian River

Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Benjamin Mittler (850)-245-8547  
Map ID: Clean\_Vessels\_IndianRiver  
Created: 03-16-2016



0 0.5 1 2 3 Miles

- |  |                   |  |                  |
|--|-------------------|--|------------------|
|  | Cities            |  | Interstate       |
|  | Canal             |  | Primary Highways |
|  | Stream River      |  | Clean Vessel     |
|  | Estuary Lake Pond |  | Florida Counties |





**Florida Inland Navigation District**  
**Clean Vessels**  
**Martin**

Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Benjamin Mittler (850)-245-8547  
Map ID: Clean\_Vessels\_Martin  
Created: 03-16-2016

N

0 1.25 2.5 5 7.5 Miles

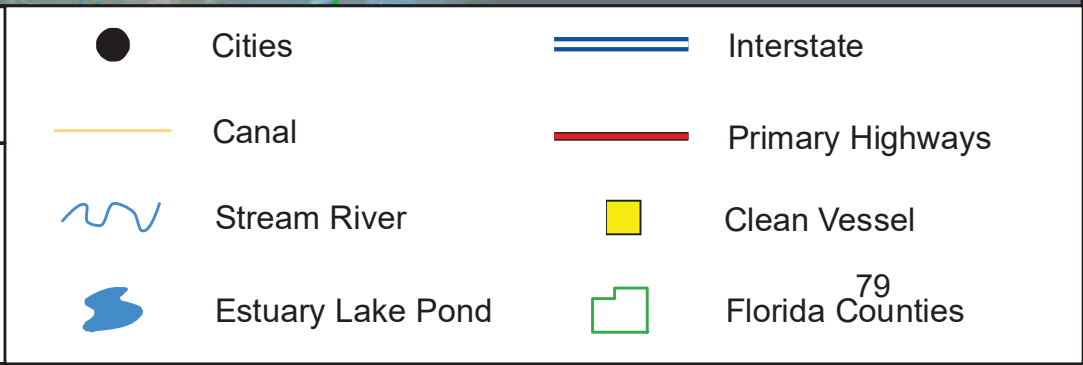
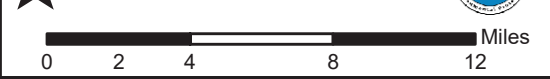
	Cities		Interstate
	Canal		Primary Highways
	Stream River		Clean Vessel
	Estuary Lake Pond		Florida Counties



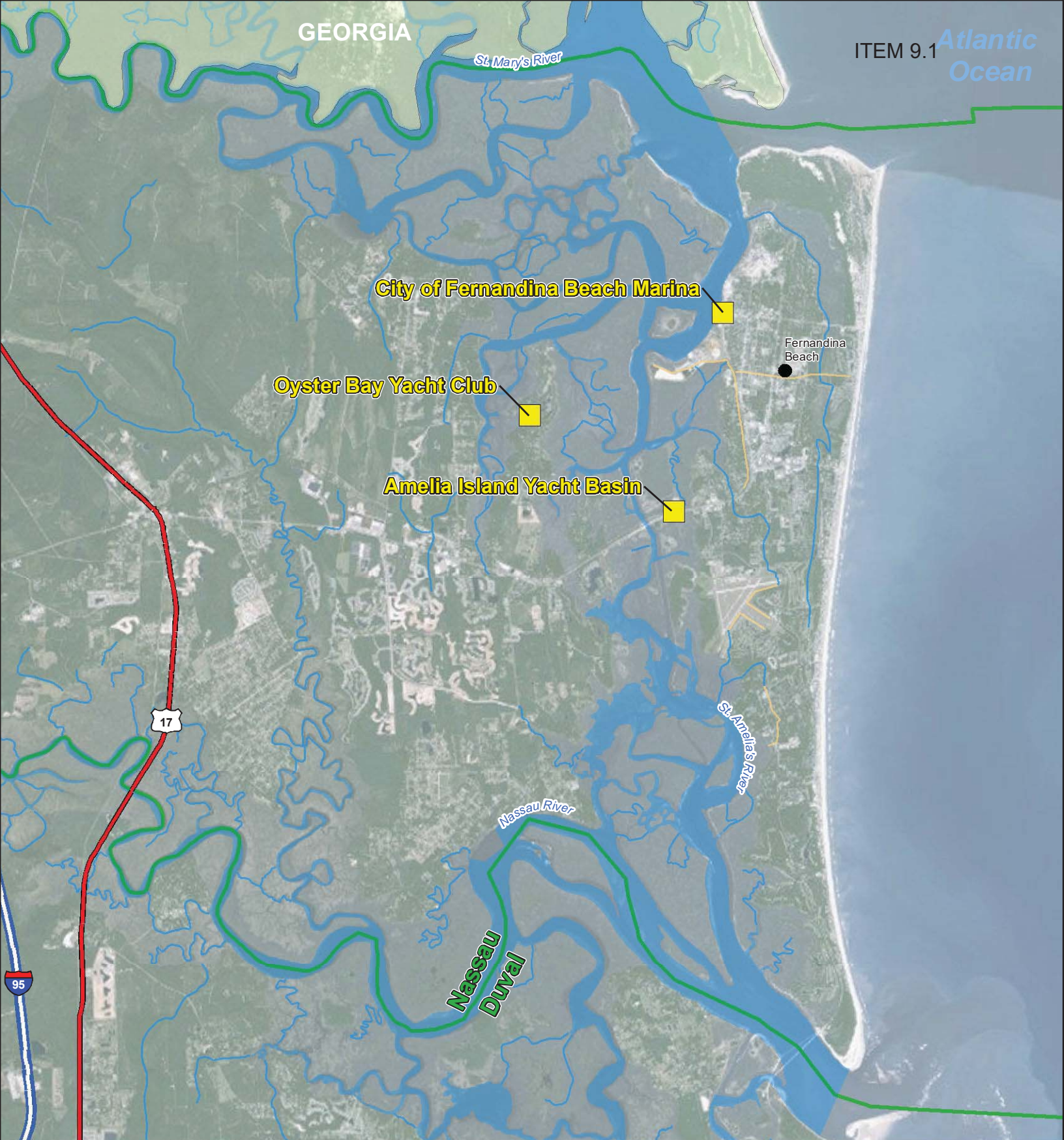


# **Florida Inland Navigation District** **Clean Vessels** **Miami - Dade**

Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
 [Clean Marinas] Brenda Leonard (850) 245-2847  
 [GIS] Benjamin Mittler (850)-245-8547  
 Map ID: Clean\_Vessels\_MiamiDade  
 Created: 03-16-2016

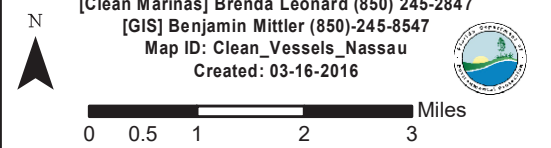














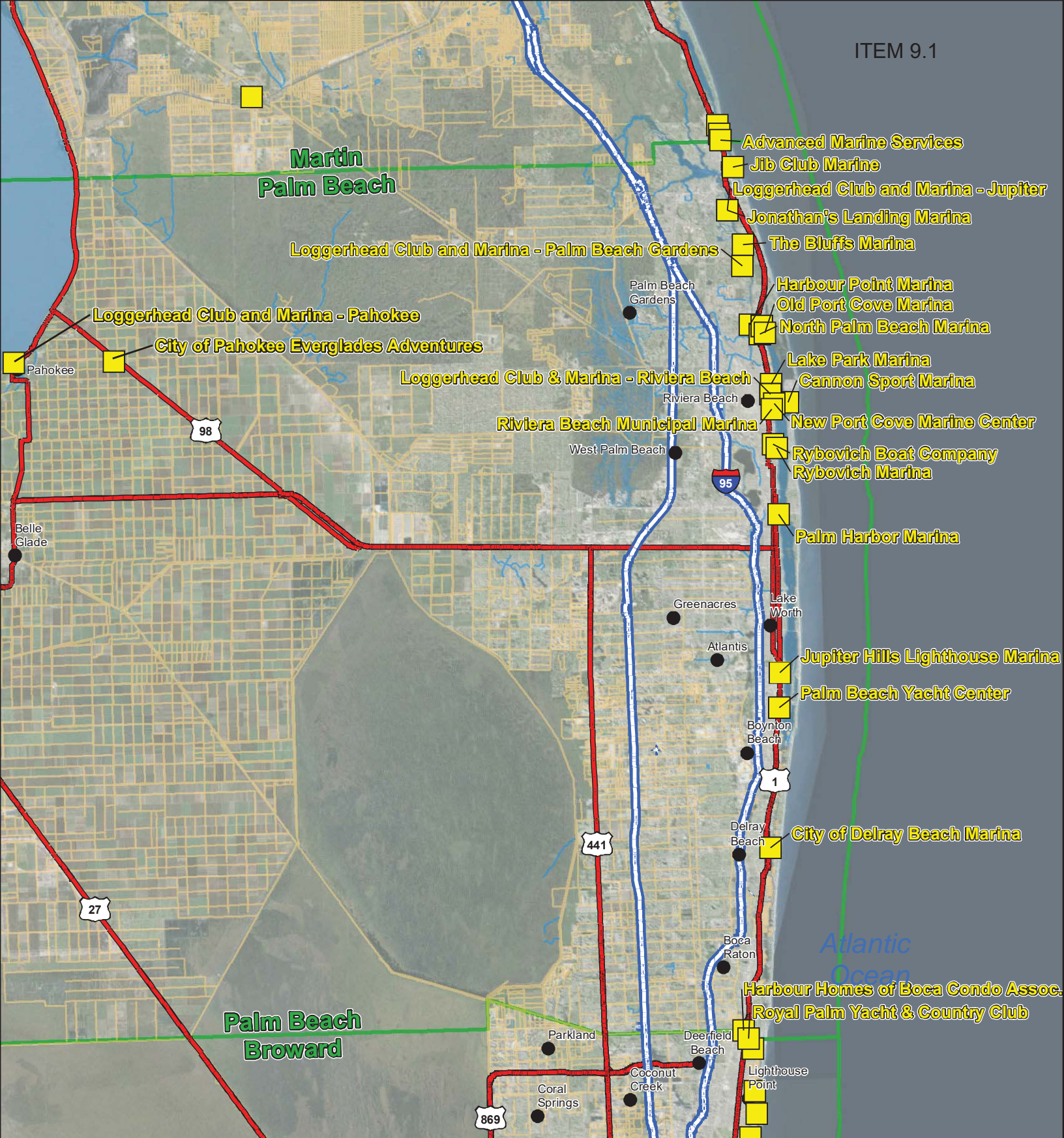
# **Florida Inland Navigation District** **Clean Vessels** **Nassau**

Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
 [Clean Marinas] Brenda Leonard (850) 245-2847  
 [GIS] Benjamin Mittler (850)-245-8547  
 Map ID: Clean\_Vessels\_Nassau  
 Created: 03-16-2016




	Cities		Interstate
	Canal		Primary Highways
	Stream River		Clean Vessel
	Estuary Lake Pond		Florida Counties















**Florida Inland Navigation District**  
**Clean Vessels**  
**Palm Beach**

Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
 [Clean Marinas] Brenda Leonard (850) 245-2847  
 [GIS] Benjamin Mittler (850)-245-8547  
 Map ID: Clean\_Vessels\_PalmBeach  
 Created: 03-16-2016

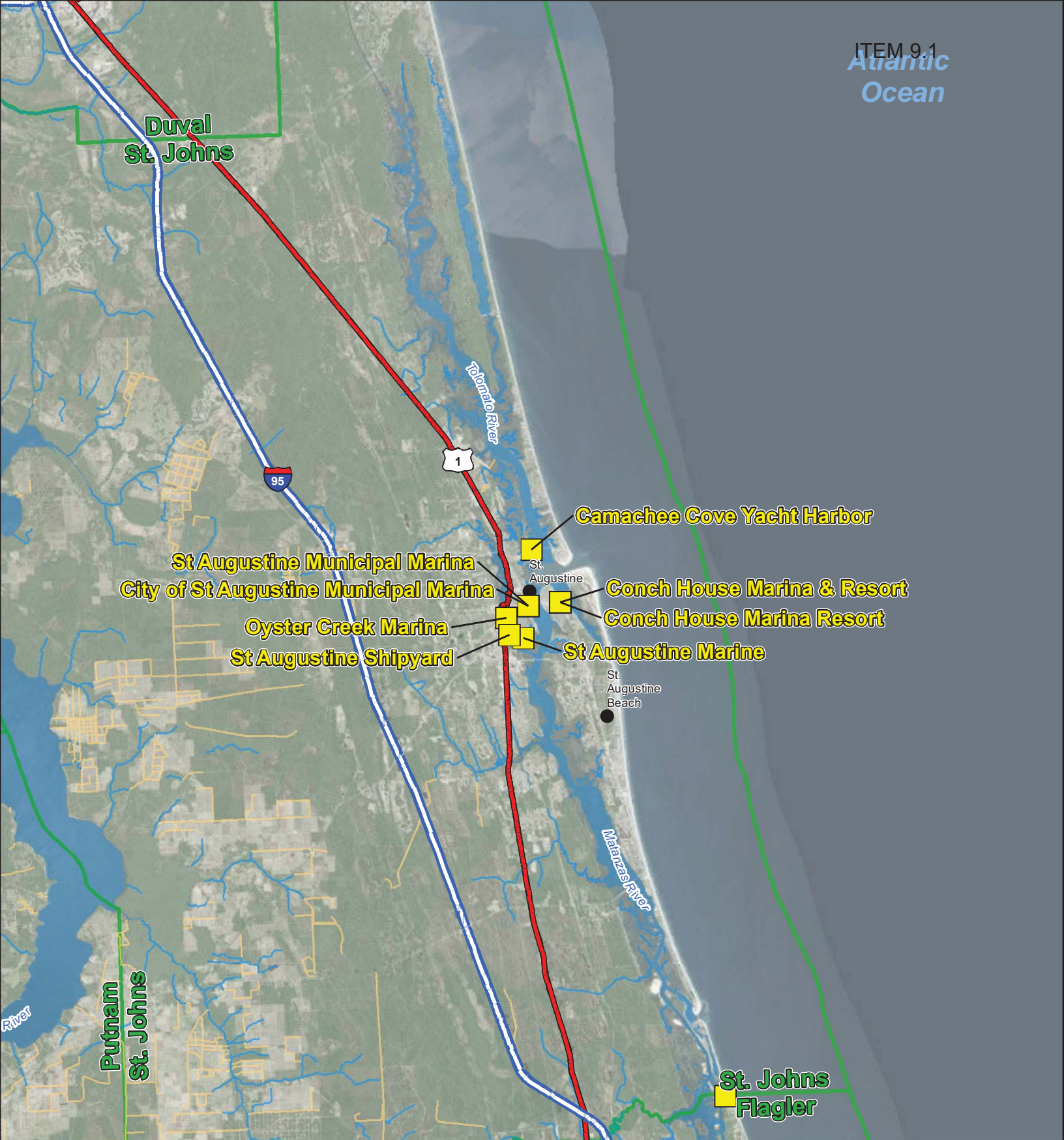
 N

 Miles



- |   |                   |   |                  |
|---|-------------------|---|------------------|
|  | Cities            |  | Interstate       |
|  | Canal             |  | Primary Highways |
|  | Stream River      |  | Clean Vessel     |
|  | Estuary Lake Pond |  | Florida Counties |





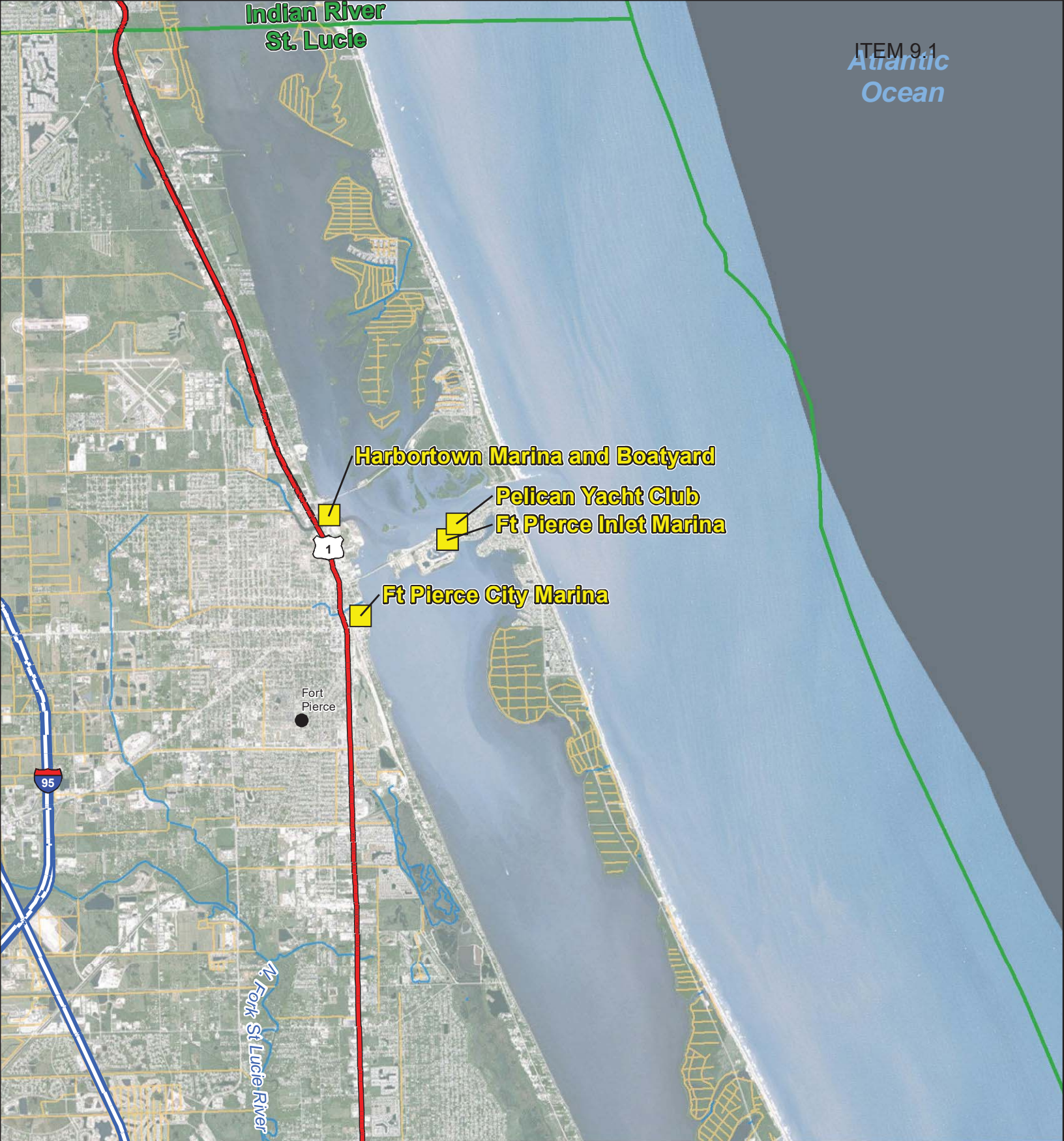
# **Florida Inland Navigation District** **Clean Vessels** **St. Johns**

Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Benjamin Mittler (850) 245-8547  
Map ID: Clean\_Vessels\_StJohns  
Created: 03-16-2016



- Cities
- Canal
- Stream River
- Estuary Lake Pond
- Interstate
- Primary Highways
- Clean Vessel
- Florida Counties





ITEM 9.1  
Atlantic  
Ocean

Harbortown Marina and Boatyard

Pelican Yacht Club

Ft Pierce Inlet Marina

Ft Pierce City Marina

Fort  
Pierce

N Fork St Lucie River

95

1

# Florida Inland Navigation District Clean Vessels St. Lucie

Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Benjamin Mittler (850)-245-8547  
Map ID: Clean\_Vessels\_StLucie  
Created: 03-16-2016



0 0.5 1 2 3 Miles



Cities



Canal



Stream River



Estuary Lake Pond



Interstate



Primary Highways



Clean Vessel











83  
Florida Counties



Map prepared by the Division of Environmental Assessment and Restoration. This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Benjamin Mittler (850)-245-8547  
Map ID: Clean\_Vessels\_Volusia  
Created: 03-16-2016



- |   |                   |   |                                |
|---|-------------------|---|--------------------------------|
|  | Cities            |  | Interstate                     |
|  | Canal             |  | Primary Highways               |
|  | Stream River      |  | Clean Vessel                   |
|  | Estuary Lake Pond |  | Florida Counties <sup>84</sup> |



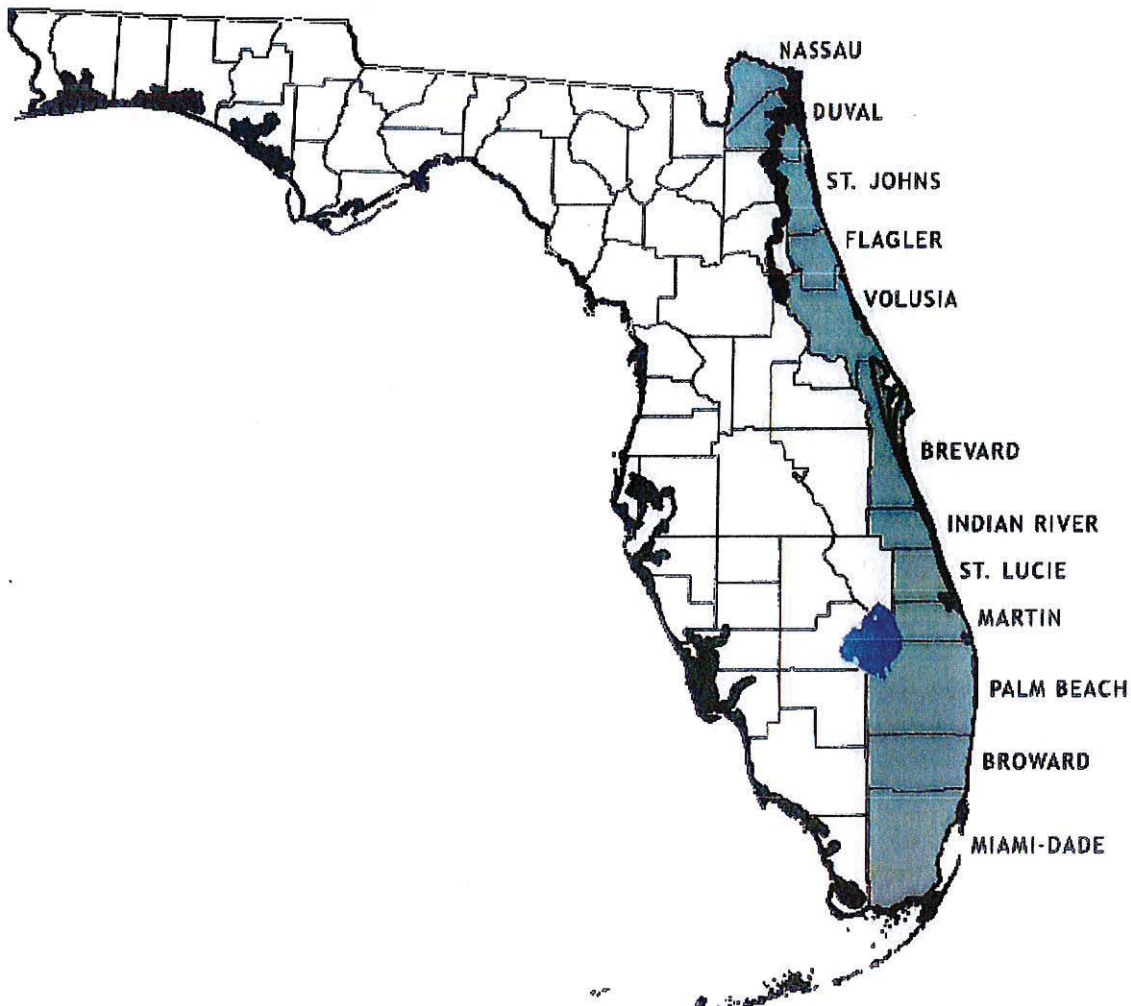


## Florida Inland Navigation District

A Special State Taxing District  
for the continued management & maintenance  
of the Atlantic Intracoastal Waterway

[Home](#)[Mission](#)[History](#)[Administration](#)[Financials](#)[Publications](#)[Contact Us](#)[Counties Pages](#)

Click on the county of choice to view regulations, programs and studies.



1314 Marcinski Road Jupiter, Florida 33477-9498 Phone: 561.627.3386 Fax: 561.624.6480

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**COOPERATIVE ASSISTANCE PROGRAM  
PROJECT APPLICATION 2017  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	Florida Department of Environmental Protection		
<b>Department:</b>	Office of the Secretary		
<b>Project Title:</b>	Clean Marina Program		
<b>Project Director:</b>	Katie Kelly	<b>Title:</b>	Asst Chief of Staff
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Brenda Leonard	<b>Title:</b>	Program Administrator
<b>Mailing Address:</b>	3900 Commonwealth Blvd. MS 30		
<b>City:</b>	Tallahassee	<b>Zip Code:</b>	32399
<b>Email Address:</b>	Brenda.Leonard@dep.state.fl.us	<b>Phone #:</b>	850-245-2847
<b>Project Address:</b>	Statewide		

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

**SIGNATURE:** Katie Kelly

**DATE:** 3/26/17

**PROJECT SUMMARY** (Please summarize project in space provided below in 2 paragraphs or less.)

The project will continue with outreach that provides marine facility education and technical assistance with the final goal of "designation" as a Clean facility or Clean & Resilient facility. The intended result is a cleaner and safer waterway environment to sustain ecotourism for Florida's ICW as well as profitable and efficient marine facility operations.

This project will also support clean facilities located along the District for waterway clean up events such as International Coastal Clean up day, St Johns River Clean day, Ocean Clean up day and other clean up events. Reusable boater trash bags will be provided to the facilities to distribute to boaters assisting in picking up and preventing refuse and debris along the waterways.

**ATTACHMENT D-3 - PROJECT INFORMATION 2017**

<b>Applicant:</b>	Dept of Environmental Protection	<b>Project Title:</b>	Clean Marina Program
<b>Total Project Cost: \$</b>	150,000	<b>FIND Funding Requested: \$</b>	75,000
<b>% of Total Cost:</b>	50%		
<b>Amount and Source of Applicant's Matching Funds:</b>	U.S. Fish and Wildlife Service grant - \$75,000		

**1. Ownership of Project Site (check one):** Own: ☐ Leased: ☐ Other: ☒

**2. If leased or other, please describe lease or terms and conditions:**

Marina facilities receiving outreach and educational items and designation as clean facilities are located throughout the Florida Inland Navigation District.

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

The District has provided funding for the Clean Marina Program in 2001, 2003, 2006, 2009, 2012, and 2015.

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

There has been 182 clean facility designations along the FIND.

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

None

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	N/A	Click here to enter text.	Click here to enter text.
DEP	N/A	Click here to enter text.	Click here to enter text.
ACOE	N/A	Click here to enter text.	Click here to enter text.
COUNTY / CITY	N/A	Click here to enter text.	Click here to enter text.



## ATTACHMENT D-4

## COOPERATIVE ASSISTANCE PROGRAM

## APPLICATION AND EVALUATION WORKSHEET 2017

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (D-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment D-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Clean Marina Program
<b>Applicant:</b>	Florida Department of Environmental Protection

---

**1) PRIORITY LIST:**

- a) List the priority list category of this project from Attachment B in the application. (The application may only be of **one** type based upon the predominant cost of the project elements.)

#10 waterway related environmental education and facilities.

- b) Explain how the project fits this priority category.

This project will provide support to clean marinas and local efforts with cleanup activities by supplying reusable trash bags and spill prevention and cleanup supplies to participating entities including Clean facilities . The project also increases awareness and understanding of marina operators and boaters to be informed stewards of the waterways.

(For reviewer only)

Max. Available Score 46

Range of Score (1 to 4 points)

---

**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project directly relates to the ICW and the mission of the Navigation District.**

The project targets facilities with training and educational programs on clean marina operation, clean boating habits, coastal resilience, stormwater, and hazardous waste management. Also, the project provides support to facilities participating in local waterway clean up events.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

Informed and educated marina operators and boaters will more likely comprehend the environmental impacts marinas and boating has on the environment as well as the best management practices that will minimize those impacts.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

Public usage will be measured through the number of newly and maintained designated facilities, clean boater pledges, marina workshops, and the attendees. Also, the number of trash bags distributed to the facilities will reflect the number of participants involved in the clean events. There are approx 1 million registered vessels in Florida and approx 400,000 visiting vessels each year. It is estimated that at least one half of these boaters use the ICW and therefore have access to designated clean facilities within the District.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

Yes, the project includes all 12 counties in the district and is open to the general public. Boaters enjoy clean facilities and will frequent them when visiting from other counties. The project will increase marina and boater awareness of marina and waterway best management practices, help reduce water quality degradation, and increase the attractiveness of the region. Clean facilities attract additional boaters.

- c) Are there any restrictions placed on commercial access or use of this site?**

No

- d) Can residents from other counties of the District reasonably access and use the project? Explain.**

Yes, the project includes all 12 counties in the district and is open to the general public. Boaters enjoy clean facilities and will frequent them when visiting from other counties.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS:**

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment D-6.**

To date there are 182 clean facilities in the project area and 15 additional facilities are expected to be added.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

The main factors that could influence the program include a significant downturn in the economy, a major natural disaster along the coast or the loss of federal funding due to a government shutdown.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) **List the funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

Federal USFWS (\$75,000) a Clean Vessel Act grant for boater education and incentives grant for Clean Marina boaters.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

There are no foreseen increases.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

The project uses conference calls and web-based resources extensively. It also relies on support from DEP district staff well as project partners and volunteers.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There will be no fees associated with facilities receiving education and technical assistance.

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) **Does the project fill a specific need in the community? Is this project referenced or incorporated in an existing management, public assess or comp plan?**

Most counties identify coastal water quality as a need. In particular, water quality is commonly cited as a specific need in the lower St Johns River, Indian River Lagoon, and Biscayne Bay. Increasing marina designations and providing reusable trash bags to the facilities to use to remove debris and refuse along the waterways will help reduce the pollution and improve the water quality.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The Clean Marina Program is designed to build capacity among participants to continue their work after designation. In addition, local governments are increasing promotion and support of the same best management practices thereby sustaining efforts beyond the grant period.

- c) Will the program result in significant and lasting benefits? Please describe any environmental benefits associated with this project.**

By supporting facilities with needed supplies for spill prevention and cleanup along with waterway clean up activities, public awareness is raised on the importance of keeping and removing debris from the waters. Also, emphasis on education followed by action steps to put knowledge and information to work will instill significant and lasting lifestyle changes that will benefit the waterways of our state for generations to come. Continuation of this program will ensure the life-long practice of clean and safe boating habits by boaters on Florida's and other state's waterways.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 00-25  
 (Effective Date: 3-21-01, Revised 4-24-06)



**ATTACHMENT D-4B****COOPERATIVE ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET****ENVIRONMENTAL EDUCATION PROJECTS**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS AN  
ENVIRONMENTAL EDUCATION PROJECT

**7) THOROUGHNESS:****a) Who is the primary target audience or user group for the project and how were they identified?**

DEP maintains a listing of clean marina facilities. The marina/boater best management practices along with compliance and technical assistance provided through the Clean Marina Program will specifically target the more than 900 boating facilities in the District and the boaters that use them.

**b) How have the needs of the target audience been evaluated and met?**

The needs of the boating community are identified through industry surveys and studies and by regular interactions with members of the Clean Marina Program. Also, through workshops where input is gathered from the diverse membership of the Clean Boating Partnership. Best Management Practices for marinas and boatyards were crafted with intense participation and consensus by industry within the constraints of existing laws and regulations.

**c) How many people will the program serve on an annual basis? What will be the measurable results?**

All people who live on and use the District's waterways will benefit from the educational efforts of this program as well as the achievements of the local facilities towards a "clean" designation. It is estimated that at least one half of the one million registered Florida boaters use the ICW and visit the 900 marina facilities within the counties of the district. The success of this program will be measured by the number of marinas, boatyards, and retailers who participate in the program and achieve a "clean" designations. The number of local clean up events participated in will be tracked along with the number of boaters receiving marine debris bags.

*(For reviewer only)*  
*(1-5 points)*

---

**8) DELIVERABLES:****a) Describe the materials and project deliverables to be produced by this project.**

Project materials include: marina and boatyard and retailer supplies for spill prevention and cleanup, reusable trash bags, flags, educational resources such as clean boating guides, marina incentive items and flash drives to contain the materials for workshops. Project deliverables include completed purchases, number of designated clean facilities and events participated in.

**b) Is there a clear and effective plan of dissemination of the materials produced through the project?**

Clean marina materials are distributed through direct drop shipments, delivered during technical assistance to marinas, through local workshops, and outreach events. Educational and Program materials will also be available through the program website and partners.

*(For reviewer only)*  
*(1-2 points)*

---

**9) EXPERIENCE & QUALIFICATIONS:****a) Please briefly describe the qualifications of the program administrator(s), including prior experience, and areas of expertise.**

Brenda Leonard has over 25 years of teaching experience to all age groups. Her area of expertise is in the technical aspects of industry, the marine industry, education and outreach, and developing working partnerships with other agencies and individuals. She holds a B.S. in Environmental Science & Policy and a M.S. degree in Public Administration.

**b) How is the program manager sufficiently capable and qualified to conduct the proposed project successfully?**

Brenda Leonard has been facilitating pollution prevention practices with industry and marinas for the Department since 2000.

**c) What previous projects of this nature have been completed by the program manager?**

Brenda helped to lead the expansion of the Clean Marina Program in Florida for the last 16 years. She also assisted in establishing the Clean and Resilient Marina initiative through the Gulf of Mexico Alliance and the Governor's South Atlantic Alliance.

*(For reviewer only)*  
*(1-3 points)*

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**10) PROJECT GOALS:****a) What are the long-term goals of this project as it relates to the ICW?**

The goal of the Clean Marina Program is to promote environmental stewardship and education on best management practices. This program targets specific audiences and focuses on specific best management practices as an entry point to introducing environmentally responsible and sustainable behaviors.

**b) What is the expected duration/frequency of this program?**

The program is an ongoing program. The facilities that are designated participate annually in renewing with the program.

*(For reviewer only)*  
*(1-2 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 00-25B  
(Effective Date: 3-21-01, Revised 4-24-06)

## ATTACHMENT D-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

**(See Rule Section 66B-1.005 & 1.008 for eligibility and funding ratios)**

<b>Project Title:</b>	Clean Marina Program.
<b>Applicant:</b>	Florida Department of Environmental Protection

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <b>(Number and/or Footage etc.)</b>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Marina, Boatyard and Retailer environmental supplies (spill pads, secondary containment, spill prevention and cleanup resources)	40,000		40,000
Water Clean up Materials Reusable Marine Debris boater bags	40,000	20,000	20,000
Clean Marina Designation Materials Clean Marina Flags	20,000	10,000	10,000
Education Resources Manuals, flash drives, brochures Clean Boating Habits,	20,000	15,000	5,000
Boater Pledge cards and Outreach Incentives	30,000	30,000	

<b>**TOTALS =</b>	<b>\$150,000</b>	<b>\$75,000</b>	<b>\$75,000</b>
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**ATTACHMENT D-6****COOPERATIVE ASSISTANCE PROGRAM 2017****PROJECT TIMELINE**

<b>Project Title:</b>	Clean Marina Program
<b>Applicant:</b>	Florida Department of Environmental Protection

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-1.005(3) - Pre-agreement expenses)

---

10/1/17	Clean Marina Agreement executed
10/15/17 - 8/30/18	Publications and presentation materials preparations Provide coastal cleanup support Clean Marina Technical Assistance Clean Boater / Clean Marina community outreach
10/15/17 - 8/30/18	Boater's Pledge, boater marine debris bag distribution Marina, Boatyard, and Marine Retailer Environmental items distribution Clean Marina/Boatyard/Retailer/Resilient designations
9/1/18	Project complete
9/30/18	Final Report and Invoice Complete



# Florida Inland Navigation District Clean Boatyards, Marinas, Retailers Brevard

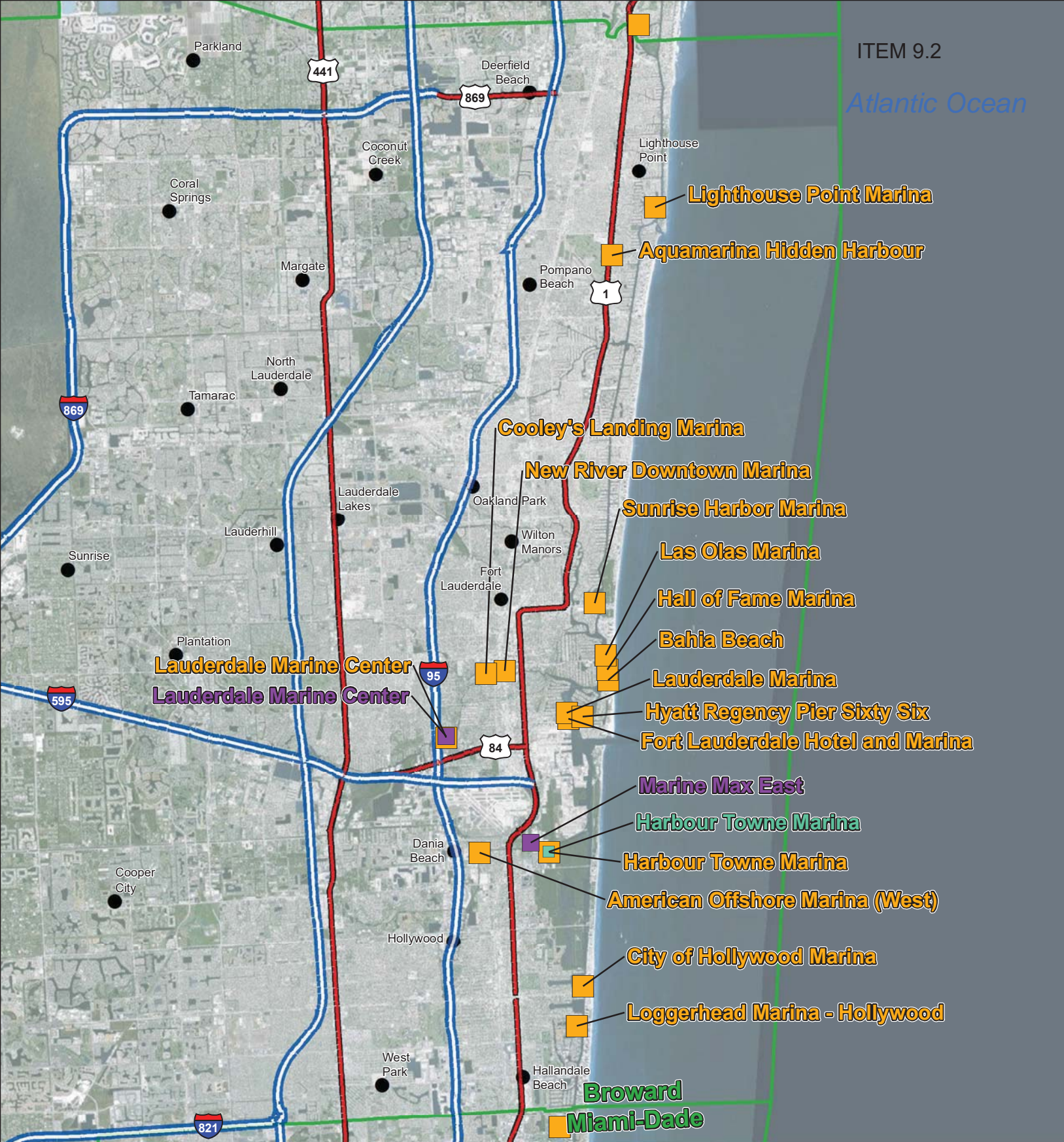
Map prepared by the Bureau of Watershed Restoration,  
This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Janis Morrow 850-245-8543  
Clean\_Marinas\_Brevard\_01  
Created: 03-23-2015



0 2.5 5 10 15 Miles

- Cities
- Clean Boatyard
- Clean Retailer
- Clean Marina
- Florida Counties
- == Interstate
- Primary Highways
- ~ Stream River
- Estuary Lake Pond





# Florida Inland Navigation District Clean Boatyards, Marinas, Retailers Broward

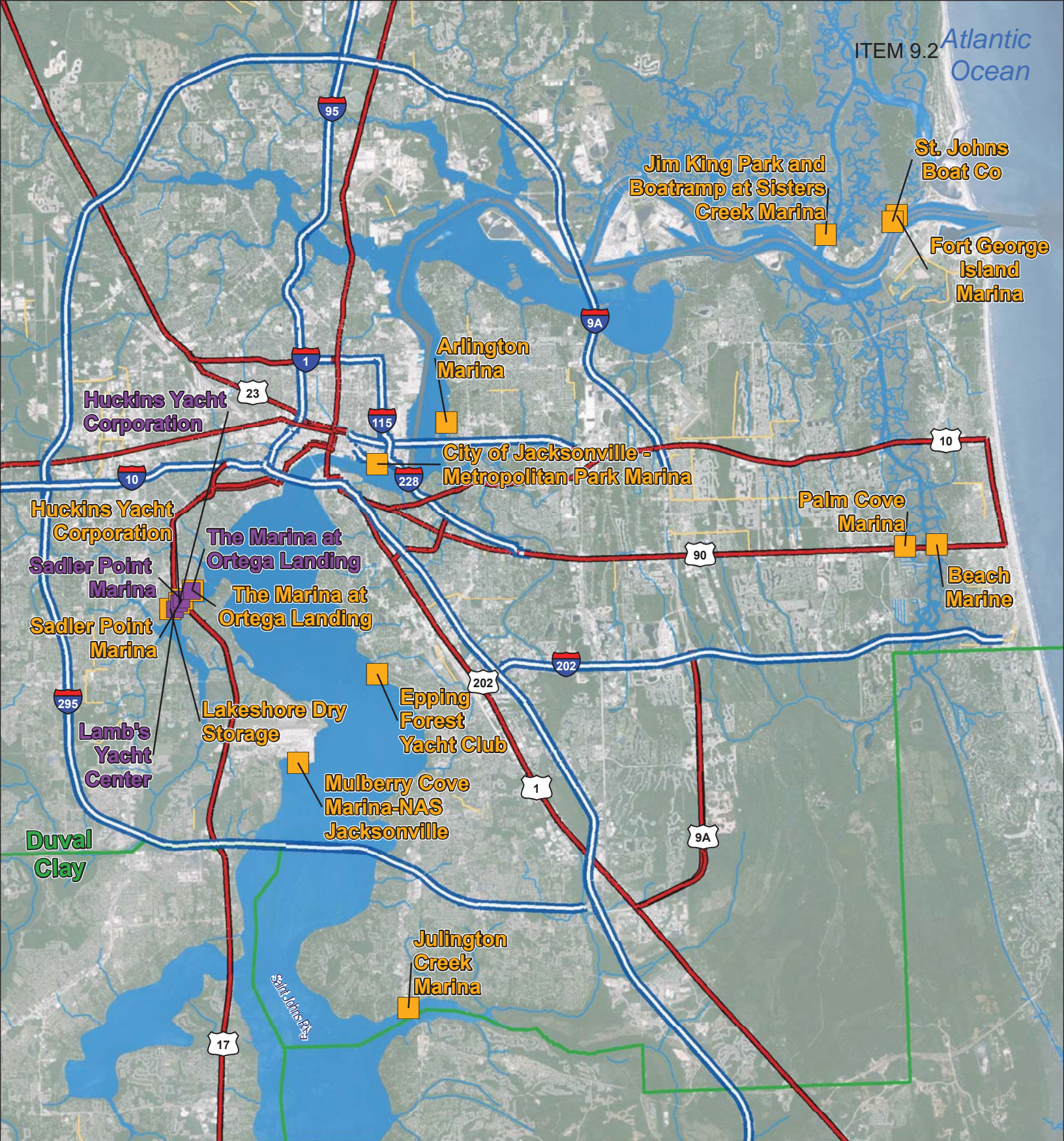
Map prepared by the Bureau of Watershed Restoration,  
This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Janis Morrow 850-245-8543  
Clean\_Marinas\_Broward\_01  
Created: 03-23-2015



0 1 2 4 6 Miles

- |   |                  |    |                   |
|---|------------------|----|-------------------|
| ● | Cities           | == | Interstate        |
| ■ | Clean Boatyard   | —  | Primary Highways  |
| ■ | Clean Retailer   | ~  | Stream River      |
| ■ | Clean Marina     | ☪  | Estuary Lake Pond |
| □ | Florida Counties |    |                   |





# **Florida Inland Navigation District** **Clean Boatyards, Marinas, Retailers** **Duval**

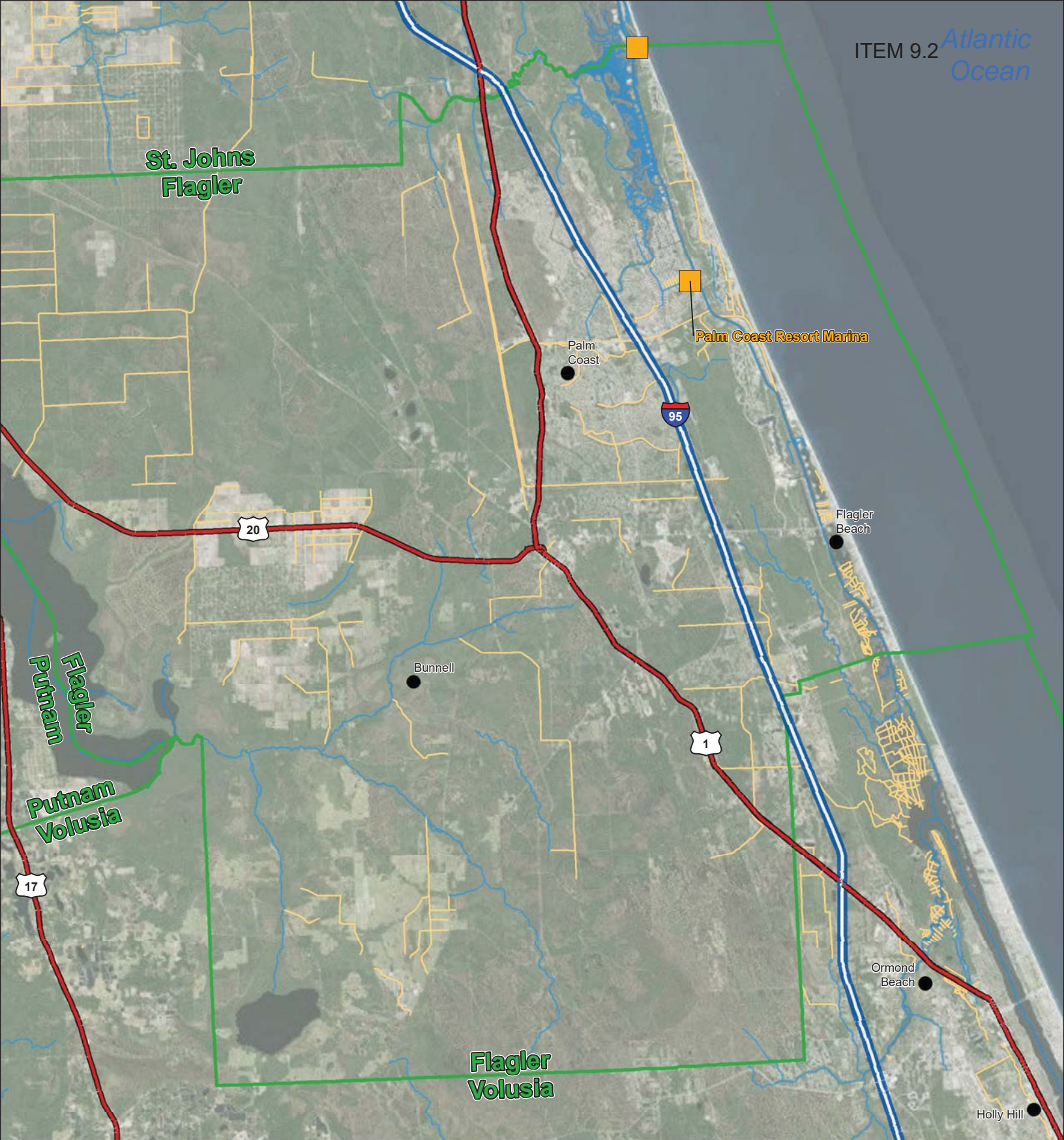
Map prepared by the Bureau of Watershed Restoration,  
This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Janis Morrow 850-245-8543  
Clean\_Marinas\_Brevard\_01  
Created: 03-23-2015



0 1 2 4 6 Miles

- Cities
- Clean Boatyard
- Clean Retailer
- Clean Marina
- Florida Counties
- == Interstate
- Primary Highways
- ~ Stream River
- Estuary Lake Pond





**Florida Inland Navigation District**  
**Clean Boatyards, Marinas, Retailers**  
**Flagler**

Map prepared by the Bureau of Watershed Restoration,  
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 [Clean Marinas] Brenda Leonard (850) 245-2847  
 [GIS] Janis Morrow 850-245-8543  
 Clean\_Marinas\_Brevard\_01  
 Created: 03-23-2015

0 1.5 3 6 9 Miles

● Cities	== Interstate
■ Clean Boatyard	— Primary Highways
■ Clean Retailer	~ Stream River
■ Clean Marina	100 Estuary Lake Pond
□ Florida Counties	



Atlantic Ocean

Brevard  
Indian  
River

Capt'n Butcher's Seafood &amp; Marina

Sebastian Inlet Marina &amp; Trading Company-Capt Hiram's

Oyster Pointe Resort - Indian River

Tiki Bar &amp; Grill

Mulligan's Marina

Sportsman's Motel and Marina

Sebastian

Marsh Island Club

Loggerhead Marina - Vero Beach

Vero Beach Yacht Club

Vero Beach City Marina - South Complex

Vero Beach City Marina - North Complex

Vero Beach City Marina - South Complex

Vero  
Beach

Vero Beach Tackle &amp; Marina

Quail Valley River Club

1

60

95

# Florida Inland Navigation District Clean Boatyards, Marinas, Retailers Indian River

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[GIS] Janis Morrow 850-245-8543

Clean\_Marinas\_Brevard\_01

Created: 03-23-2015



Cities



Clean Boatyard



Clean Retailer



Clean Marina



Florida Counties



Interstate



Primary Highways



Stream River



101  
Estuary Lake Pond

0 0.5 1 2 3 Miles





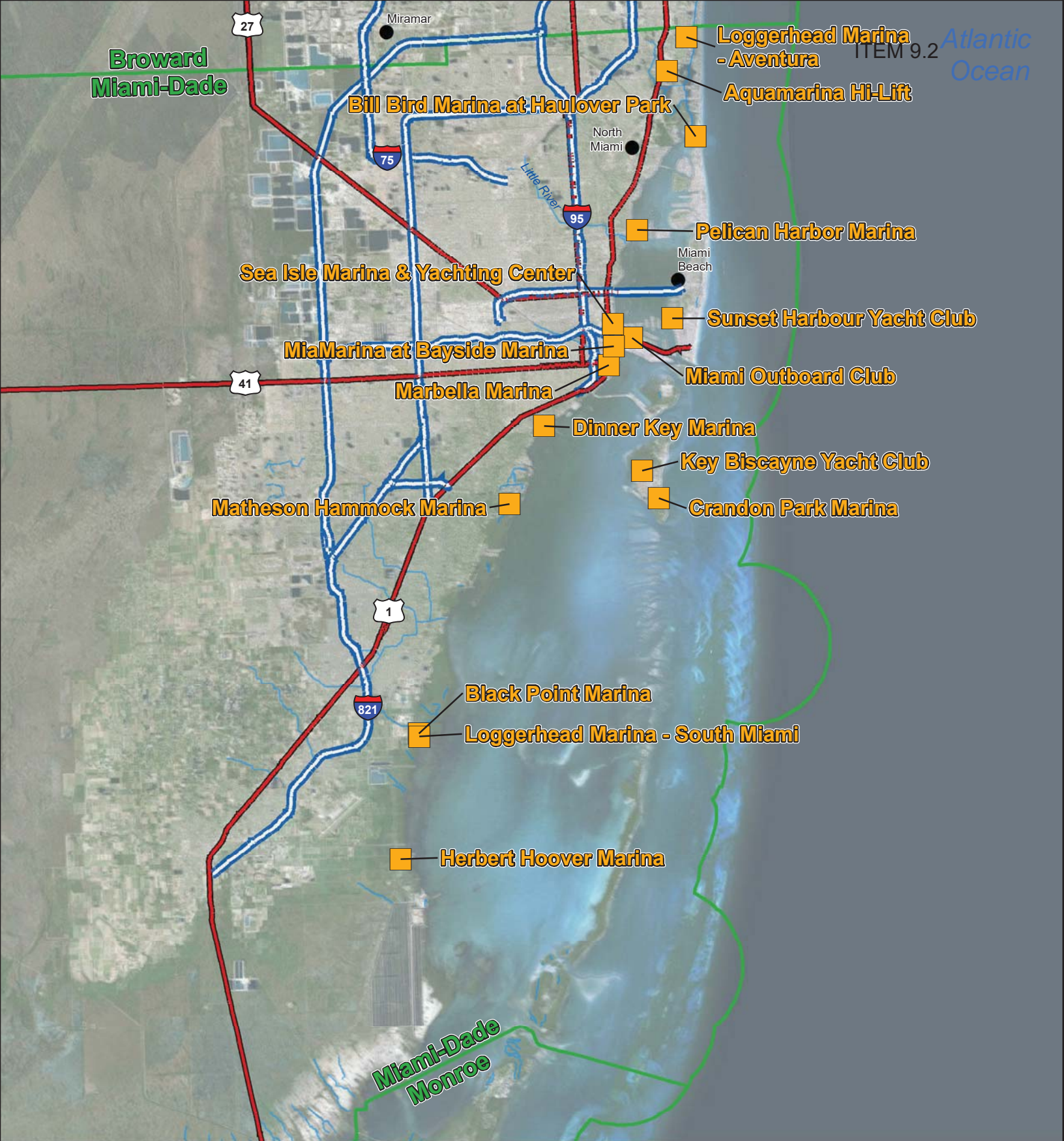
# **Florida Inland Navigation District** **Clean Boatyards, Marinas, Retailers** **Martin**

Map prepared by the Bureau of Watershed Restoration,  
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 [Clean Marinas] Brenda Leonard (850) 245-2847  
 [GIS] Janis Morrow 850-245-8543  
 Clean\_Marinas\_Brevard\_01  
 Created: 03-23-2015

0 1 2 4 6 Miles

- |                    |                    |
|--------------------|--------------------|
| ● Cities           | == Interstate      |
| ■ Clean Boatyard   | — Primary Highways |
| ■ Clean Retailer   | ~ Stream River     |
| ■ Clean Marina     | Estuary Lake Pond  |
| □ Florida Counties |                    |





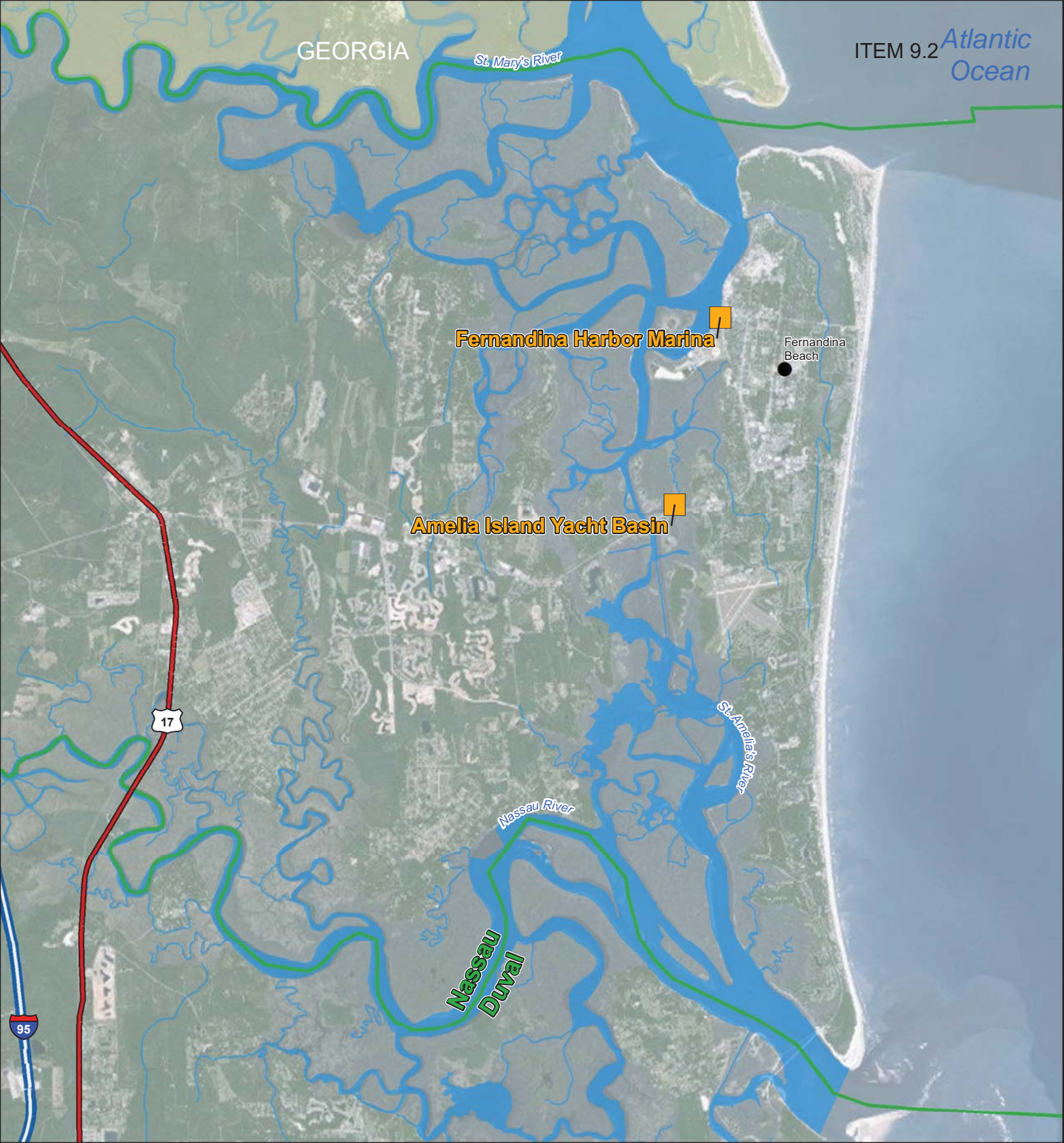
# Florida Inland Navigation District Clean Boatyards, Marinas, Retailers Miami - Dade

Map prepared by the Bureau of Watershed Restoration,  
This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Janis Morrow 850-245-8543  
Clean\_Marinas\_Brevard\_01  
Created: 03-23-2015

0 2 4 8 12 Miles

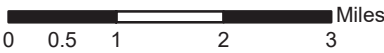
- Cities
- Clean Boatyard
- Clean Retailer
- Clean Marina
- Florida Counties
- == Interstate
- Primary Highways
- ~ Stream River
- Estuary Lake Pond





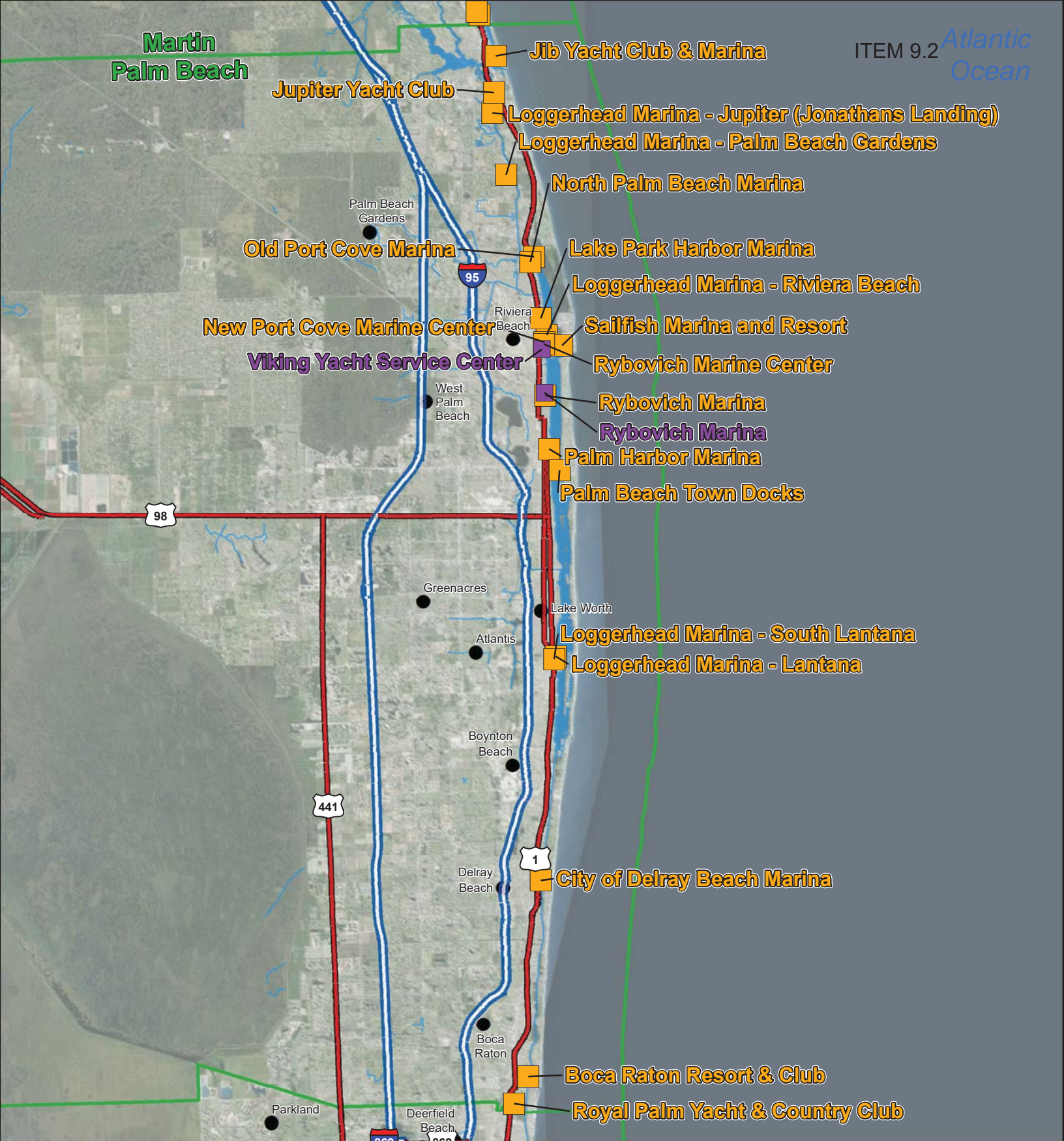
# **Florida Inland Navigation District** **Clean Boatyards, Marinas, Retailers** **Nassau**

Map prepared by the Bureau of Watershed Restoration,  
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 [Clean Marinas] Brenda Leonard (850) 245-2847  
 [GIS] Janis Morrow 850-245-8543  
 Clean\_Marinas\_Brevard\_01  
 Created: 03-23-2015



- |   |                  |    |                   |
|---|------------------|----|-------------------|
| ● | Cities           | == | Interstate        |
| ■ | Clean Boatyard   | —  | Primary Highways  |
| ■ | Clean Retailer   | ~  | Stream River      |
| ■ | Clean Marina     | ●  | Estuary Lake Pond |
| □ | Florida Counties |    |                   |





ITEM 9.2

Atlantic  
Ocean

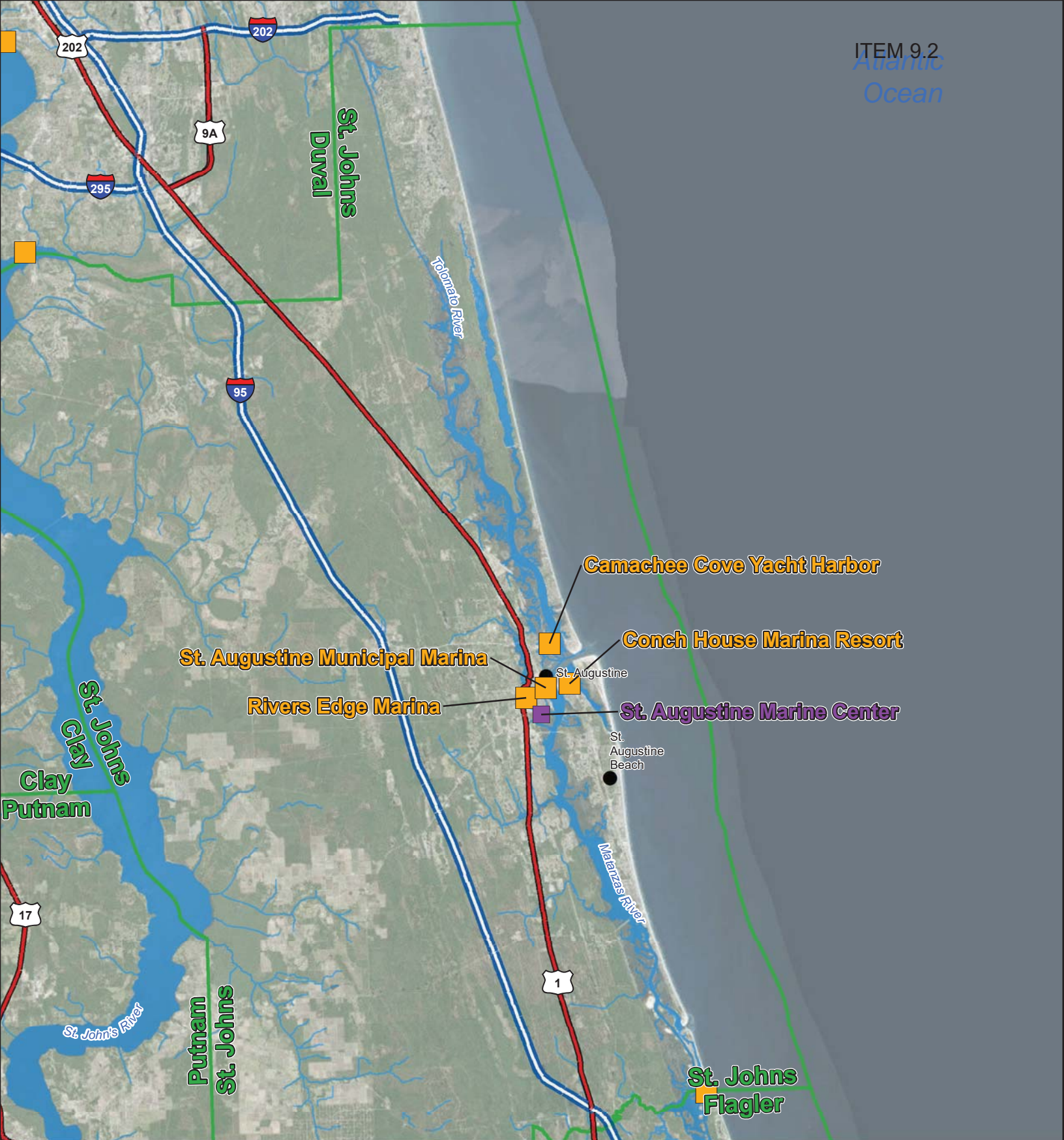
**Florida Inland Navigation District**  
**Clean Boatyards, Marinas, Retailers**  
**Palm Beach**

Map prepared by the Bureau of Watershed Restoration,  
This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Janis Morrow 850-245-8543  
Clean\_Marinas\_Brevard\_01  
Created: 03-23-2015

**Miles**  
0 2 4 8 12

● Cities	== Interstate
■ Clean Boatyard	— Primary Highways
■ Clean Retailer	~ Stream River
■ Clean Marina	Estuary Lake Pond
□ Florida Counties	





**Florida Inland Navigation District**  
Clean Boatyards, Marinas, Retailers  
**St. Johns**

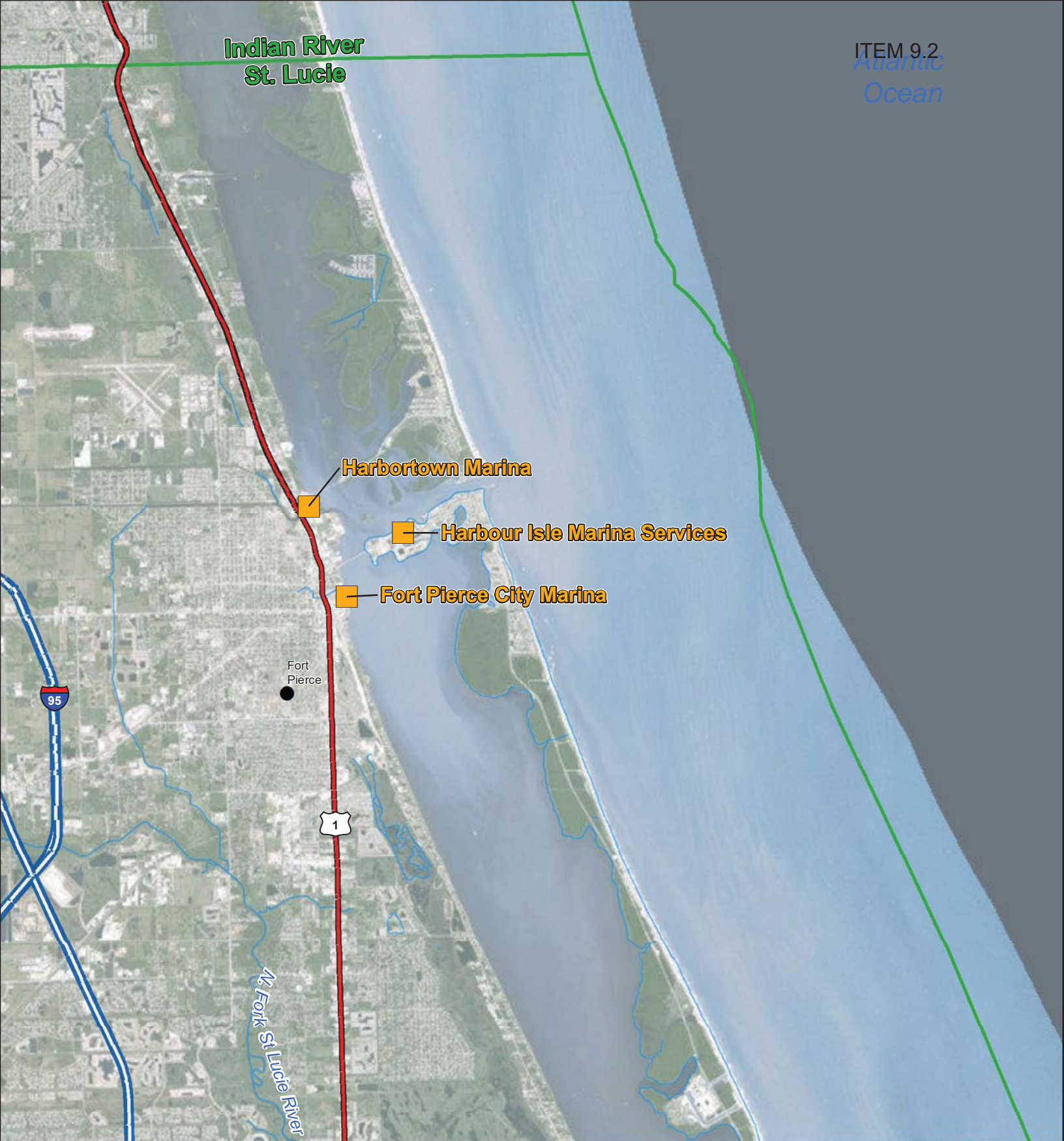
Map prepared by the Bureau of Watershed Restoration,  
This map is not for legal decision making purposes.  
[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Janis Morrow 850-245-8543  
Clean\_Marinas\_Brevard\_01  
Created: 03-23-2015

N

0 1.5 3 6 9 Miles

●	Cities	==	Interstate
■	Clean Boatyard	—	Primary Highways
■	Clean Retailer	~	Stream River
■	Clean Marina	●	Estuary Lake Pond
□	Florida Counties		





**Florida Inland Navigation District**  
**Clean Boatyards, Marinas, Retailers**  
**St. Lucie**

Map prepared by the Bureau of Watershed Restoration,  
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[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Janis Morrow 850-245-8543  
Clean\_Marinas\_Brevard\_01  
Created: 03-23-2015



Cities



Clean Boatyard



Clean Retailer



Clean Marina



Florida Counties



Interstate



Primary Highways



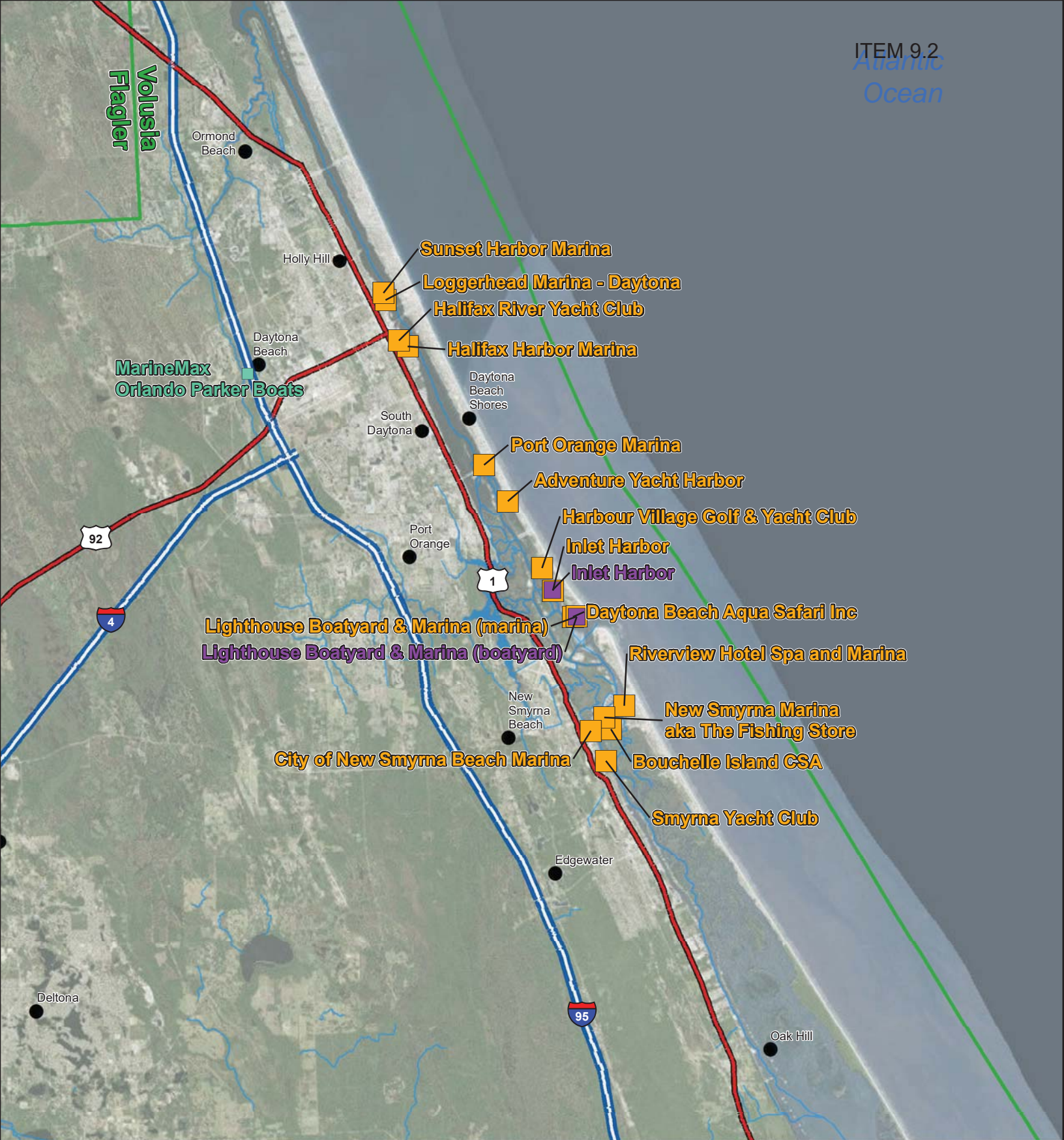
Stream River



107  
Estuary Lake Pond

0 0.5 1 2 3 Miles





**Florida Inland Navigation District**  
**Clean Boatyards, Marinas, Retailers**  
**Volusia**

Map prepared by the Bureau of Watershed Restoration,  
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[Clean Marinas] Brenda Leonard (850) 245-2847  
[GIS] Janis Morrow 850-245-8543  
Clean\_Marinas\_Brevard\_01  
Created: 03-23-2015

0 1.5 3 6 9 Miles

●	Cities	==	Interstate
■	Clean Boatyard	—	Primary Highways
■	Clean Retailer	~	Stream River
■	Clean Marina	☪	Estuary Lake Pond
□	Florida Counties		



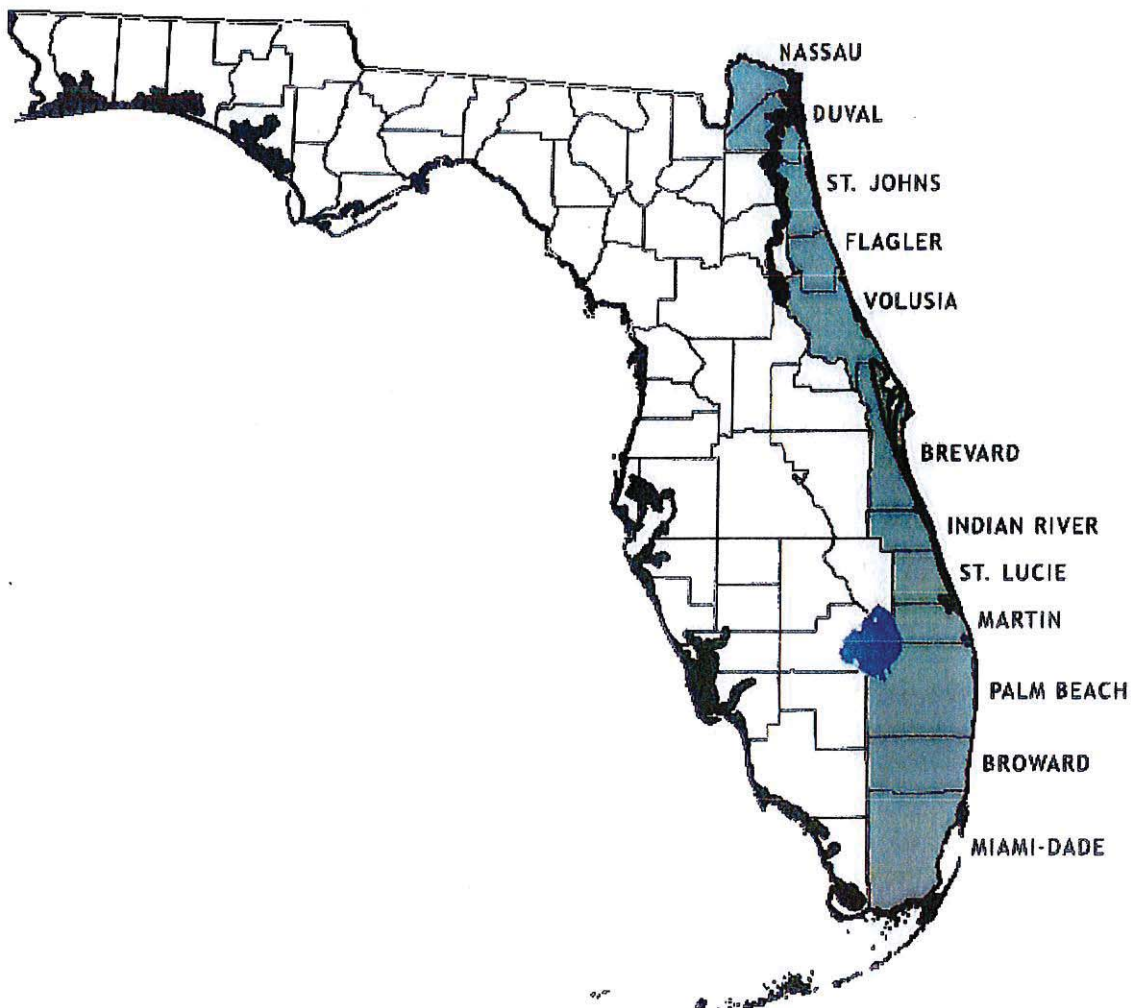


## Florida Inland Navigation District

A Special State Taxing District  
for the continued management & maintenance  
of the Atlantic Intracoastal Waterway

[Home](#)[Mission](#)[History](#)[Administration](#)[Financials](#)[Publications](#)[Contact Us](#)[Counties Pages](#)

Click on the county of choice to view regulations, programs and studies.



1314 Marcinski Road Jupiter, Florida 33477-9498 Phone: 561.627.3386 Fax: 561.624.6480

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## ATTACHMENT D-2

**COOPERATIVE ASSISTANCE PROGRAM PROJECT  
APPLICATION 2017  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	St. Johns River Water Management District		
<b>Department:</b>	Division of Water and Land Resources		
<b>Project Title:</b>	Eau Gallie Dredging Phase 2C- IRL Dredging from Eau Gallie to AICW		
<b>Project Director:</b>	William Tredik	<b>Title:</b>	IRL Initiative Leader
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	N/A	<b>Title:</b>	N/A
<b>Mailing Address:</b>	St. Johns River Water Management District		
<b>City:</b>	P.O. Box 1429, Palatka FL	<b>Zip Code:</b>	32178
<b>Email Address:</b>	wtredik@sjrwmd.com	<b>Phone #:</b>	(386) 329-4433
<b>Project Address:</b>	City of Melbourne, Brevard County, Florida		

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

**SIGNATURE:**  **DATE:** 3/28/2017

**PROJECT SUMMARY** (Please summarize project in space provided below in 2 paragraphs or less.)

The Eau Gallie River is a tributary of the Indian River Lagoon (IRL) located in Brevard County within the City of Melbourne. The Eau Gallie River dredging is a multi-year project, that includes the dredging, dewatering and disposal of muck sediments from the Eau Gallie River and its south prong, Elbow Creek. Phases 1 and 2A of the project are complete. Phase 2B (dredging) began in 2016 with the installation of the dredge pipelines and booster pumps. Pumping of dredged sediments to the dredge material management area (DMMA) began in January 2017, and will run through 2018. Phase 2B also includes environmental controls, construction observation, dewatering of dredged sediments, operation and offloading of dewatered material from the DMMA, operation of the permanent disposal site, restoration, and all other related work .

Phase 2C will expand the dredging into the IRL. Preliminary muck distribution data indicates that as much of 200,000 cubic yards of muck may be accumulated in and around the navigable channel connecting the Eau Gallie River to the Atlantic Intracoastal Waterway. This application would expand the Eau Gallie Dredging project to include removal of this accumulated muck in the IRL. The existing DMMA and permanent disposal site currently being used for the Eau Gallie Project would be utilized for for this additional dredging in the IRL, thus reducing the unit price cost.

**ATTACHMENT D-3 - PROJECT INFORMATION 2017**

<b>Applicant:</b>	St. Johns River Water Management District	<b>Project Title:</b>	Eau Gallie Dredging Phase 2C- IRL Dredging from		
<b>Total Project Cost: \$</b>	\$2,250,000 \$4m	<b>FIND Funding Requested: \$</b>	\$2,000,000	<b>% of Total Cost:</b>	47%50%
<b>Amount and Source of Applicant's Matching Funds:</b>	The \$2,250,000 applicant match is funded by FY15 and FY16 State appropriations for the Eau Gallie Dredging project.				

**1. Ownership of Project Site (check one):** Own: ☐ Leased: ☒ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

DMMA and permanent disposal sites are owned by Brevard County. The Water Management District (WMD) and Brevard County have executed an agreement for use of these properties through December 2018. The WMD is working with Brevard County to extend the lease to allow additional dredging.

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

SJR-12-77 Eau Gallie River Muck Dredging Phase 1 - \$150,000  
 SJR-14-79 Eau Gallie River Muck Dredging Phase 1B - \$750,000  
 SJR-15-80 Eau Gallie River Muck Dredging Phase 2A - \$1,500,000  
 SJR-16-86 Eau Gallie River Muck Dredging Phase 2B - \$1,500,000

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

Ballard Park is located at the confluence of the Eau Gallie River and the Indian River Lagoon, with one public boat ramp, 40 trailer spaces and over 60 parking spaces. Two marinas are in the project area with a total of 160 boat slips.

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

N/A

**7. Are fees charged for the use of this project?** No ☒ Yes ☐

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	No		
DEP	Yes	pending	pending
ACOE	Yes	pending	pending
COUNTY / CITY			



## ATTACHMENT D-4

## COOPERATIVE ASSISTANCE PROGRAM

## APPLICATION AND EVALUATION WORKSHEET 2017

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (D-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment D-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Eau Gallie Dredging Phase 2C- IRL Dredging from Eau Gallie to AICW
<b>Applicant:</b>	St. Johns River Water Management District

---

**1) PRIORITY LIST:**

- a) List the priority list category of this project from Attachment B in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority 1. Public navigation channel dredging

- b) Explain how the project fits this priority category.**

Removal of accumulated muck sediments in and around the channel from the mouth of the Eau Gallie River to the Atlantic Intracoastal Waterway (AICW).

*(For reviewer only)*

Max. Available Score 50

Range of Score (1 to 8 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project directly relates to the ICW and the mission of the Navigation District.**

The navigable channel - and the surrounding area - from the Eau Gallie River to the AICW contain an estimated 200,000 c.y. of accumulated muck deposits. These deposits impact the navigability, natural resources and water quality of the IRL and contribute to shoaling in the AICW.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The project will improve safety and public navigation within the Eau Gallie River and IRL, will reduce the transport of sediments into the AICW and IRL during high-flow storm events, and will improve water quality and habitat for the enjoyment of boaters, residents and visitors to the area.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

Ballard Park includes a public boat ramp with adequate trailer parking and serves as one of two major public access points to the IRL and AICW in the City of Melbourne. Two commercial marinas, two boat sales and service companies, numerous private homes.

- b) Discuss the regional and local public benefits that will be provided by the project.**

Navigation/environmental enhancements for pleasure and transient boaters, improved water quality, reduced shoaling in the AICW, improved benthic habitat and sea grasses.

- c) Are there any restrictions placed on commercial access or use of this site?**

No

- d) Can residents from other counties of the District reasonably access and use the project? Explain.**

Yes. The Ballard Park ramp is accessible to the public for no fee with plenty of parking on site. Spaces are available to transient boaters in the commercial marinas.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS:**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment D-6.**

The State appropriated a total of \$20 million over two years for the project. Design, permitting and construction of the DMMA are complete. Dredging of sediments in the Eau Gallie River began in January 2017 and is scheduled to be complete by the end of 2018. The project will be extended approximately 1 year to complete the additional dredging in the IRL.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

Mandated manatee closure windows prohibit any dredging in March and April. Additional seasonal restrictions are in place in confined locations (e.g. Elbow Creek and upstream portions of Eau Gallie)

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) List any additional funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

Melbourne paid \$50,000 and SJRWMD paid \$100,000 for the 2013 Feasibility Study. The State of Florida appropriated \$10 million in FY2015 and \$10 million in FY2016 for the project.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

No anticipated cost increases due to materials utilized.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

Dewatering will be done on the Brevard County owned DMMA site adjacent to the Sarno Road Landfill. Dewatered material will be offloaded to the permanent disposal site, located on the adjacent Sarno Road landfill, substantially reducing transport cost and avoiding the use of local roadways.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

Brevard County and St. Johns River Water Management District have agreed to a nominal fee of \$28 per acre per year for the use of properties for the DMMA and permanent disposal site. Initial estimate of the impacted acreage is 89.4 acres, resulting in an annual fee of approximately \$2,500.

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) Does the project fill a specific need in the community? Is this project referenced or incorporated in an existing management, public assess or comp plan?**

Long-term need to remove decades of accumulated muck sediments. The project is consistent with the IRL SWIM Plan (2002), the IRL CCMP (2008), and the Brevard County Comprehensive Maritime Management Master Plan

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

Removal of accumulated muck sediments will improve navigability and reduce the movement of sediments into the AICW. The City of Melbourne continues to construct upstream stormwater management and sediment reduction projects to reduce loadings to the Eau Gallie River.

- c) Will the program result in significant and lasting benefits? Please describe any environmental benefits associated with this project.**

Yes - Benefits include improved water quality and benthic habitat within the Eau Gallie and IRL, improved dissolved oxygen levels, enhanced fisheries habitat, protection and enhancement of submerged aquatic vegetation (seagrass), limiting muck flux and re-suspension of muck generated nutrients, reducing harmful algal bloom occurrences. The project will help meet TMDLs in the IRL. Shoaling rates from the 2013 Feasibility Study estimate that it will take at least 40 years for the dredged volume to re-accrete.

*(For reviewer only)*

*(1-7 points)*

---

SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 00-25

(Effective Date: 3-21-01, Revised 4-24-06)



**ATTACHMENT D-4D**

**COOPERATIVE ASSISTANCE PROGRAM**

**APPLICATION AND EVALUATION WORKSHEET**

**INLET MANAGEMENT and PUBLIC NAVIGATION PROJECTS**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS AN INLET  
MANAGEMENT or PUBLIC NAVIGATION PROJECT

---

**7) WATERWAY RELATIONSHIP:**

**a) How does the project directly benefit the Atlantic Intracoastal Waterway (AICW)?**

Dredging muck sediments from the channel from the Eau Gallie River to the AICW will prevent the transport of this material into the AICW during high flow storm events and reducing the frequency for dredging of the adjacent AICW segment, and improve navigation.

**b) Briefly discuss any methods or activities that will address long-term sedimentation problems.**

The City of Melbourne continues to construct capital stormwater treatment projects in the basin to limit future sedimentation and treat stormwater including total suspended solids before discharge to the Eau Gallie.

**c) Will the project inhibit sediment inflow into, or reduce the dredging frequency of the AICW?**

Yes, removal of accumulated sediments will prevent transport into the AICW, thereby reducing the dredging frequency of the adjacent AICW segment.

*(For reviewer only)*  
*(1-5 points)*

---

**8) PUBLIC ACCESS:****a) Will the project enhance public access to or from the waterways? Describe in brief detail.**

Ballard Park is located at the confluence of Eau Gallie and IRL. Removal of muck will enhance boating access, increase bottom depth, channel configuration and ease of access for waterfront home owners, transient boaters and trailered boats launching from Ballard Park.

**b) List the publicly accessible facilities upstream with improved access as a result of this project.**

Ballard Park is located at the confluence of Eau Gallie and IRL. Boat access at this site will be enhanced as a result of the dredging.

*(For reviewer only)*  
*(1-3 points)*

---

**9) BENEFICIAL PROJECT ELEMENTS:****a) Are there additional economic benefits to be realized by implementing this project?**

Yes. Two marinas, boat servicing businesses and a waterfront restaurant on the Eau Gallie will benefit directly from increased customer waterway access. Waterfront home owners property values will be enhanced by improving their direct access to the AICW. This may strengthen the local real estate market by increasing the desirability of the waterfront properties and reducing the time that properties sit on the market. The dredging may also create additional home owner requests for construction of new, or repair of existing, boat and fishing docks, piers, boat lifts and other waterfront amenities creating additional construction jobs and business for dock builders.

**b) Briefly spell out any water quality, environmental or habitat benefits to be realized by this project.**

The project will improve water quality within the Indian River Lagoon by reducing sediment/nutrient re-suspension from boat wakes, storm flows, wind and waves. It will provide a benefit to seagrass beds adjacent to the Eau Gallie, reducing the volume of resuspended muck sediments flowing into the IRL, thus improving water clarity and increasing seagrass photosynthesis. It will enhance wildlife access for dolphin, manatee, wading birds and fish and provide improved fish nursery habitat. The project may also provide TMDL pollutant loading benefits, by removing legacy nutrients contained within the muck which continually flux into the water column.

*(For reviewer only)*  
*(1-2 points)*

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**10) PROJECT FUNDING:****a) When was this area last dredged? What is the expected frequency of future dredging?**

The date of previous dredging is uncertain. Once the muck is removed, additional large scale dredging efforts are not anticipated to be needed for the tributary for over 40 years.

**b) Explain the funding mechanism for the long-term maintenance of the project.**

Once the muck is removed, additional large scale dredging efforts are not anticipated to be needed for over 40 years due, to improved stormwater and sediment/erosion control practices adopted since the 1990s to limit pollution and construction runoff, therefore no funding mechanism for long term maintenance has been identified at this time.

**c) Describe the long-range dredge material management plans.**

St. Johns River Water Management District has entered into a Intergovernmental Agreement (IGA) with Brevard County for use of the DMMA site through December 2018. Material will be dewatered at the DMMA and moved to the the adjacent Sarno Road Landfill property (also owned by Brevard County) for permanent placement. Leases will be extended sufficiently to accommodate dredging in the IRL.

*(For reviewer only)*  
*(1-2 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

**ATTACHMENT D-5**

# FLORIDA INLAND NAVIGATION DISTRICT ASSISTANCE PROGRAM 2017

## PROJECT COST ESTIMATE

**(See Rule Section 66B-1.005 & 1.008 for eligibility and funding ratios)**

<b>Project Title:</b>	Eau Gallie Dredging Phase 2C- IRL Dredging from Eau Gallie to AICW
<b>Applicant:</b>	St. Johns River Water Management District

[illegible]

<b>**TOTALS =</b>	<b>\$</b> 4,250,000	<b>\$</b> 2,250,000	<b>\$</b> 2,000,000
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**ATTACHMENT D-6**

**COOPERATIVE ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Eau Gallie Dredging Phase 2C- IRL Dredging from Eau Gallie to AICW
<b>Applicant:</b>	St. Johns River Water Management District

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-1.005(3) - Pre-agreement expenses)

---

Design and Permitting (Phase 1B).....Complete

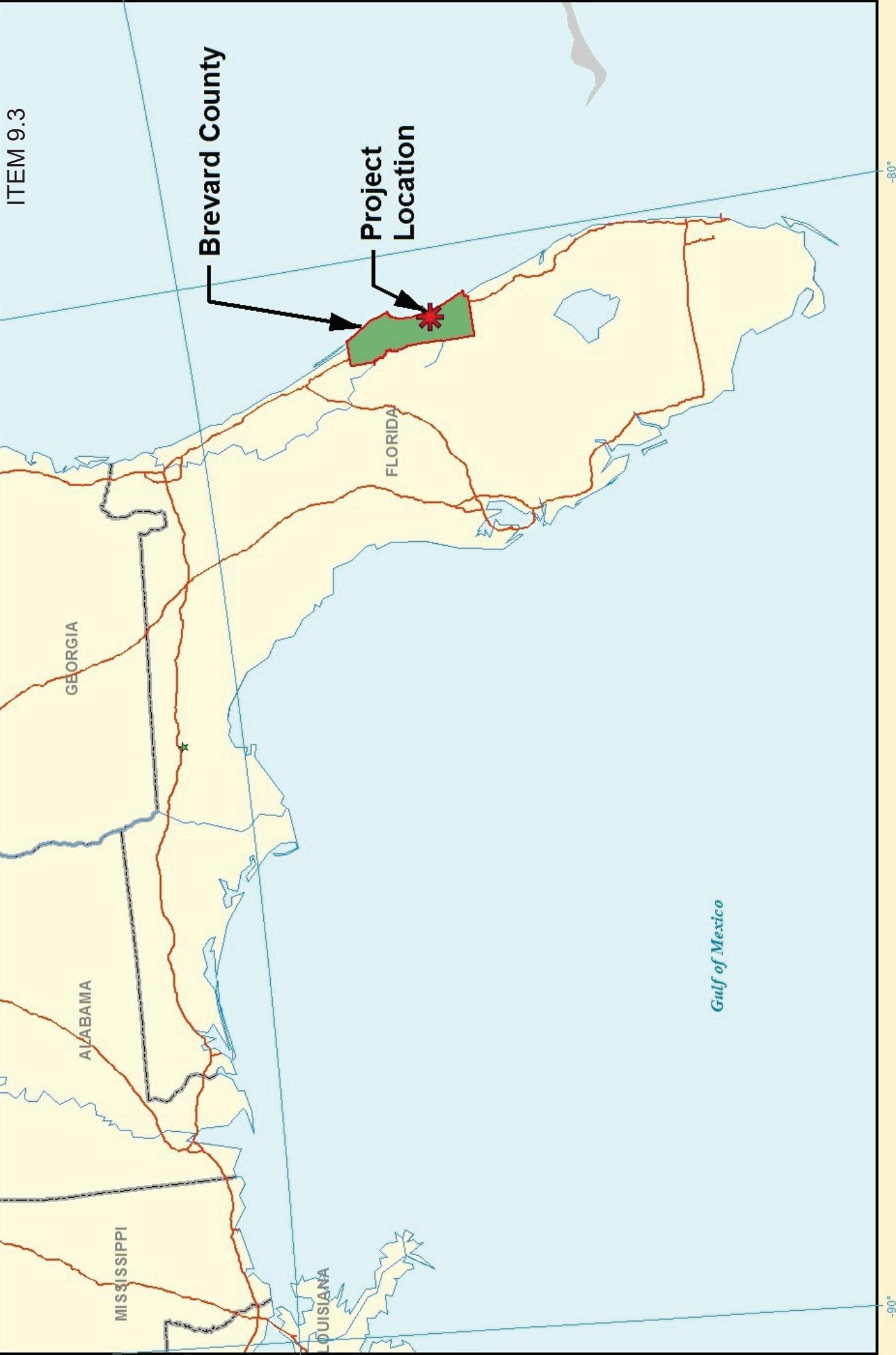
DMMA Construction (Phase 2A) .....Complete

Dredging (Phase 2B).....October 2017 - September 2019

Design and Permitting (Phase 2C).....September 2017

Dredging EGR to AICW (Phase 2C).....October 2017 - September 2019

DMMA Restoration .....September 2019 - December 2019



ITEM 9.3

**Legend**

- Brevard County
- Interstate Highways
- Rivers
- Lakes
- State Boundaries

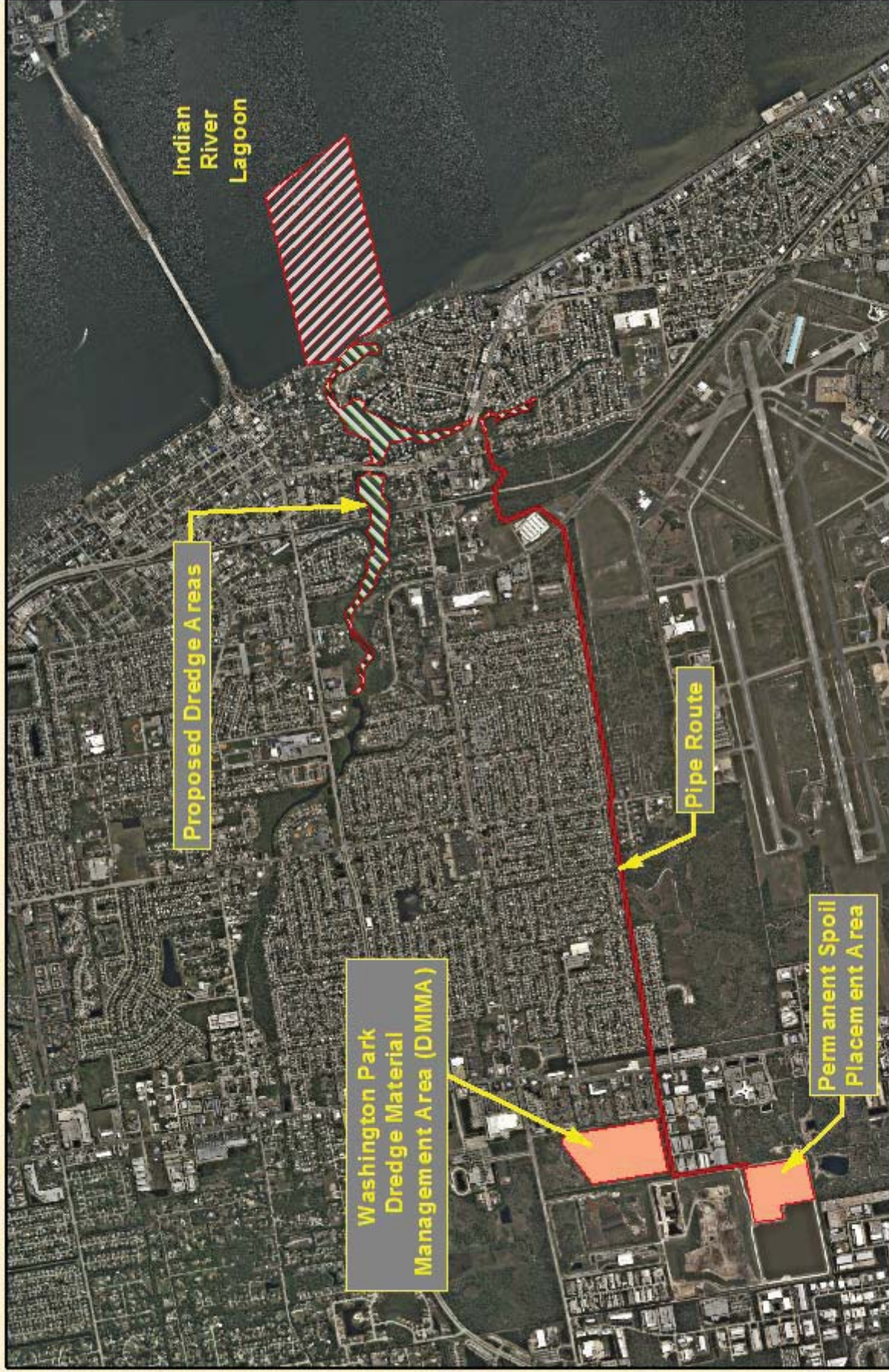
## Eau Gallie Dredging Phase 2C IRL Dredging from Eau Gallie to AICW County Location Map

**Coordinate System: Albers**  
Central Meridian: 96°0'0"W  
1st Std Parallel: 20°0'0"N  
2nd Std Parallel: 60°0'0"N  
Latitude of Origin: 40°0'0"N

0 25 50 100 150 200 Miles

121





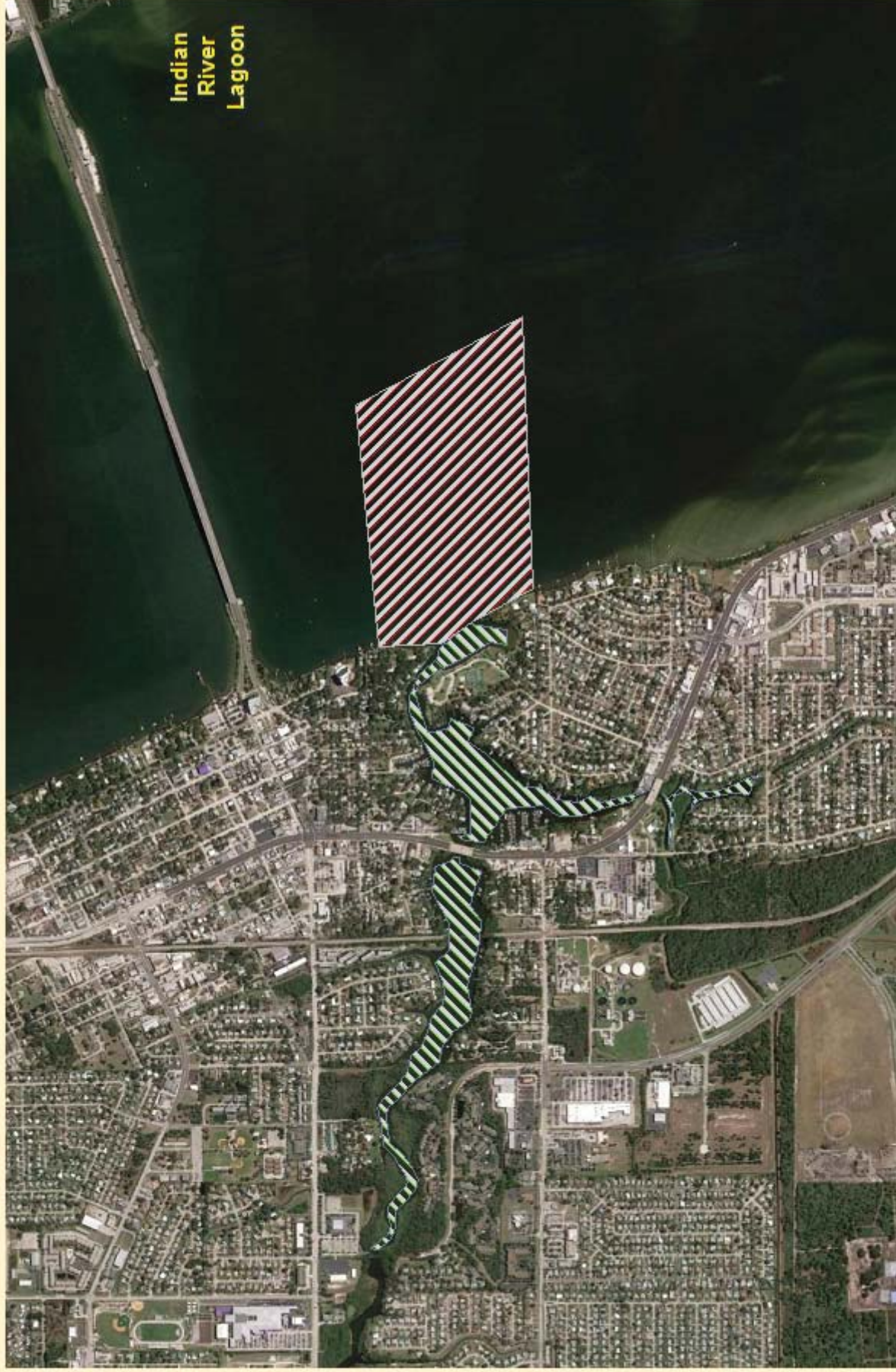
# Legend

- Phase 2B Dredging Area
- Phase 2C Dredging Area

Eau Gallie River Dredging - Phase 2C  
 IRL Dredging from Eau Gallie to AICW  
 Project Boundary Map - Overall







### Legend

-  Phase 2B Dredging Area
-  Phase 2C Dredging Area

### Eau Gallie River Dredging - Phase 2C IRL Dredging from Eau Gallie to AICW Boundary Map - Proposed Dredging Areas

Coordinate System: Albers  
Central Meridian: 98°0'0"W  
1st Std Parallel: 20°0'0"N  
2nd Std Parallel: 80°0'0"N  
Latitude of Origin: 40°0'0"N



## ATTACHMENT D-2

**COOPERATIVE ASSISTANCE PROGRAM  
PROJECT APPLICATION 2017  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	U.S. Fish & Wildlife Service		
<b>Department:</b>	Department of the Interior		
<b>Project Title:</b>	Merritt Island National Wildlife Refuge (MINWR) Community Conservation Education Center (CCEC) Exhibits		
<b>Project Director:</b>	Layne Hamilton	<b>Title:</b>	Refuge Manager
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Kim King-Wrenn	<b>Title:</b>	Visitor Services Manager
<b>Mailing Address:</b>	PO Box 2683		
<b>City:</b>	Titusville	<b>Zip Code:</b>	32781
<b>Email Address:</b>	Kimberly_King-Wrenn@fws.gov	<b>Phone #:</b>	321-861-2384
<b>Project Address:</b>	1987 Scrub Jay way Titusville, FL		

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

**SIGNATURE:** 

**DATE:** 03-29-17

**PROJECT SUMMARY** (Please summarize project in space provided below in 2 paragraphs or less.)

The Merritt Island National Wildlife Refuge(Refuge) Community Conservation Education Center (Center)will serve as a coastal nature and conservation education center for residents and visitors of the Titusville, Melbourne-Orlando-Daytona Beach urban area, connecting people through interactive and dynamic exhibits to the history, habitats, wildlife and compatible recreational outdoor opportunities available in this unique Florida coastal landscape. The new Center will contribute to the environmental, social and economic sustainability of the Refuge and local communities by attracting a diverse audience to learn about and experience the refuge and its natural resources. The main attraction for the Center (8,100 SF) will include 12 exhibits. These exhibits will offer information, innovation and ideas that inspire and incite and foster an appreciation for the area's history, technology and natural world.The exhibits will help visitors forge an emotional and intellectual connection with the Refuge, its partners and the local community, encouraging them to explore and support these valuable resources. A multipurpose meeting room, a state-of-the-art environmental education building and outdoor nature-based play area will complete the exhibits, providing visitors of all ages and interests with a variety of educational options and opportunities.

The U.S. Fish & Wildlife Service(FWS) will provide funding for construction of the \$4.2 million building in addition to funding construction of supporting infrastructure (parking, storm water treatment, etc.). Merritt Island Wildlife Association (NGO Friends group) is conducting a capital campaign (\$1.2 million) to assist the FWS with funding the educational exhibits (\$750000), classroom furninshings and outdoor play space. Phase 1 of construction is slated to begin in FY2018. We are requesting a Florida Inland Navigation District Cooperative Assistance Program grant of \$375,000 which is 50% of the cost of the educational exhibits for the new community conservation education center.



**ATTACHMENT D-3 - PROJECT INFORMATION 2017**

<b>Applicant:</b>	U.S. Fish & Wildlife Service		<b>Project Title:</b>	MINWR CCEC Exhibits	
<b>Total Project Cost: \$</b>	\$750,000	<b>FIND Funding Requested: \$</b>	\$375,000	<b>% of Total Cost:</b>	50%
<b>Amount and Source of Applicant's Matching Funds:</b>	The Merritt Island Wildlife Association(MIWA) provide matching funds to the FWS. These funds will be obtained through grants and private donations. Currently MIWA have funds pledged or on-hand in the amount of \$250,000.				

**1. Ownership of Project Site (check one):** Own: ☐ Leased: ☐ Other: ☒

**2. If leased or other, please describe lease or terms and conditions:**

Please see attached copy of agreement between U.S. Fish & Wildlife Service, Merritt Island National Wildlife Refuge and NASA, Kennedy Space Center for use of property.

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☐ No: ☒

**4. If yes, please list:**

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

Merritt Island National Wildlife Refuge provides four developed boat ramps allowing public access to the Indian River, Mosquito Lagoon and the Intracoastal Waterway. Six additional unpaved ramps are also available to the public.

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?** No ramps or slips will be added by this project.

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	NA	Click here to enter text.	Click here to enter text.
DEP	NA	Click here to enter text.	Click here to enter text.
ACOE	NA		Click here to enter text.
COUNTY / CITY	NA	Click here to enter text.	Click here to enter text.



## ATTACHMENT D-4

## COOPERATIVE ASSISTANCE PROGRAM

## APPLICATION AND EVALUATION WORKSHEET 2017

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (D-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment D-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Merritt Island National Wildlife Refuge Community Conservation Education Center Exhibits
<b>Applicant:</b>	U.S. Fish & Wildlife Service

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**1) PRIORITY LIST:**

- a) List the priority list category of this project from Attachment B in the application. (The application may only be of one type based upon the predominant cost of the project elements.)

Waterway related environmental education programs and facilities

- b) Explain how the project fits this priority category.

The Refuge consists of 140,000 acres on the northern end of Merrit Island in Brevard, and Volusia Counties. The Refuge lies within one of the most productive estuaries in the country, the Indian River Lagoon (IRL) and encompasses nearly 20% (~50,000 acres) of the entire IRL estuary, including portions of the Indian River Lagoon, Mosquito Lagoon and Banana River. The ICW bisects the Refuge through the historic Haulover Canal.

The planned exhibits will be the focal point of the new education center enlightening visitors about the IRL its wildlife, ecological importance, challenges, recreational opportunities, history and economic activity.

(For reviewer only)

Max. Available Score 46  
 Range of Score (1 to 4 points)

---

**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project directly relates to the ICW and the mission of the Navigation District.**

The ICW passes through the length of the Merritt Island National Wildlife Refuge, crossing from the Mosquito Lagoon to the Indian River Lagoon via the Haulover Canal. The canal is a very popular recreation area for Refuge visitors who wish to view wildlife, paddle, boat and fish.

Recreational opportunities that utilize the canal and lagoons will be featured in the Center exhibits.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The new Center exhibits will provide information on nature based boating and fishing recreational activities available on the Refuge as well as information on the history of the ICW including the story of the Haulover Canal. The exhibits will highlight recreational sites along the ICW (Haulover Canal) including the Bairs Cover boat ramp,

Manatee Observation Deck and bank fishing locations. Information on boating and paddling in and around the ICW within the Indian River Lagoon and Mosquito Lagoon, will also be provided.

*(For reviewer only)*

*(1-6 points)*

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The existing Refuge visitor center hosts approximately 80,000 visitors annually. The new Center will provide larger facilities, state-of-the art exhibitry, a larger number of scheduled programs and a vibrant environmental education program; consequently visitation is projected to increase by 30% the first year the Center is open to the public with a sustained 10% increase in the following years.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The planned Community Conservation Education Center will be within easy access to the greater Orlando-Melbourne-Daytona Beach metro area. Of the five counties within the District, residents of Volusia, Brevard, and Indian River counties are within a one-hour drive of the project. The exhibits will be one of the Refuge's primary attractions. Additionally the Center will provide a large multi purpose meeting room, a diversity of interpretive and educational programs, as well as a classroom to better accommodate the 3000+ local students that visit the Refuge annually. The exhibit hall will be fully intergrated into the Refuge's educational programming. Refuge visitors contribute over \$75 million to the local economy annually. The new education center will serve as a conservation hub for the local/regional area.



**c) Are there any restrictions placed on commercial access or use of this site?**

Several commercial activities have been deemed compatible at the Refuge. The new Center will serve as the transportation hub for the Refuge. There is potential for guided eco-tours of various types including tram/bus tours from the Center. Florida's Coast to Coast Connector bike trail will be directly adjacent to the Center, creating the possibility of a bicycle tour /rental business. Currently kayak and fishing guide services are operated on the Refuge.

**d) Can residents from other counties of the District reasonably access and use the project? Explain.**

Of the five counties within the District, residents from Volusia, Brevard, and Indian River counties are within 1 hour drive of the project. It is anticipated that the Center will be open 7 days each week during peak visitation season from October through April and 6 days each week the remainder of the year.

The Refuge is open 7 days/week, year-round (unless closed by NASA for security or launch activities).

*(For reviewer only)*

*(1-8 points)*

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**4) TIMELINESS:**

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment D-6.**
  - Conceptual exhibit design completed 2016
  - June 2018 – Building design finalized; Detailed exhibit design phase initiated
  - June 2019-Exhibits installed and open to public
- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

Installation of exhibits could be delayed if there are unforeseen delays in building construction.

*(For reviewer only)*  
*(1-3 points)*

**5) COSTS & EFFICIENCY:**

- a) **List the funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**  
 The Merritt Island Wildlife Association (MIWA) has pledged t \$1.2 million dollars for the CCEC project including \$750,000 for the exhibits. MIWA currently has over \$250,000 pledged and/or in the bank. MIWA has committed to funding the exhibits through a contribution to the FWS.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

No significant change in the cost of exhibit design, fabrication or installation is expected.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

The Service and the MIWA are working in partnership with the Eastern Florida State College to secure both film and photos needed for the exhibits. This partnership will provide valuable exposure for student artwork, while reducing project costs for the Service.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There will not be any fees charged to access the Center, including the exhibits.

*(For reviewer only)*  
*(1-6 points)*



**6) PROJECT VIABILITY:**

- a) Does the project fill a specific need in the community? Is this project referenced or incorporated in an existing management, public access or comp plan?**

The Center will provide quality nature-based educational and recreational opportunities not provided elsewhere in the immediate area. The exhibits and new Center will support nature-based commerce by attracting new and repeat visitors to the local geographic area. The Community Conservation Education Center is not referenced nor incorporated in an existing management, public access or comp plan. However, the purpose of the proposed Center (including the exhibits) meets the Goals and Objectives of the Refuge Visitor Service plan, which is part of the the Refuge 2008 Comprehensive Conservation Plan (15-year). Visitors receive orientation, information and educational opportunities at the existing visitor center and will continue to receive these services when the new Center opens.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The U.S. Fish & Wildlife Service will maintain the facility in partnership with the Merrit Island Wildlife Association. This partnership allows for opportunities to secure public and private funding for facility maintenance and upgrades.

- c) Will the program result in significant and lasting benefits? Please describe any environmental benefits associated with this project.**

The goal of the exhibits and the Refuge visitor program is to support safe, accessible wildlife-oriented educational and recreational opportunities for a diversity of people, creating experiences relevant to their comfort levels that will ultimately foster conservation and stewardship ethics in future generations. Through the development of an environmental ethic, the visiting public will better understand their impact on the ecosystems and watersheds they depend upon.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 00-25  
 (Effective Date: 3-21-01, Revised 4-24-06)

## ATTACHMENT D-4B

COOPERATIVE ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET

## ENVIRONMENTAL EDUCATION PROJECTS

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS AN  
ENVIRONMENTAL EDUCATION PROJECT

**7) THOROUGHNESS:**

- a) Who is the primary target audience or user group for the project and how were they identified?**

Currently, the primary users of the existing visitor center are first-time visitors (primarily tourists) needing information and orientation. The Refuge staff have met with members of local community organizations and conducted a public open house to receive input on building and exhibit content and design. Although the majority of visitors to the Refuge are from the local commuting area, these individuals rarely utilize the current visitor center. The objective of the new Education Center will be to provide a conservation education experience that orients and informs the first-time visitor, but also becomes a community conservation hub for local residents with recreational, cultural and conservation interests related to the Refuge and the surrounding natural landscape.

- b) How have the needs of the target audience been evaluated and met?**

Based on a 2011 Refuge visitor survey study (USGS 2011), the current visitor center was used by 68% of surveyed visitors, mostly to view the exhibits (83%) and get information or use the facilities (80%). This survey demonstrates the allure of exhibits to visitors. The Education Center will capitalize on the popularity of the current exhibits and develop educational and informational exhibits relevant to the target audience. We are currently engaged in public scoping to determine how best to support the interests and needs of the local communities, the visitors, partners and stakeholders. Input gathered from this process will be analyzed to determine how best to accommodate audience needs.

- c) How many people will the program serve on an annual basis? What will be the measurable results?**

Current visitation to the existing visitor center is approximately 80,000 people annually. We anticipate the number to increase by 30% during the first year of operations of the new Community Conservation Education Center. We anticipate the number to increase of 10% in successive years.

*(For reviewer only)*  
*(1-5 points)*



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## 8) DELIVERABLES:

- a) **Describe the materials and project deliverables to be produced by this project.**

12 professional quality interpretive exhibits will be designed fabricated and installed in the Meritt Island National Wildlife Refuge Community Conservation Education Center. The 12 exhibits include:

- Partnering to Protect
- Our Conservation Community
- Uniquely Florida, Wetlands & Wildlife
- Keep Looking Up!
- Lagoon Experience
- Healthy Habitats
- Healthy People
- What We Do For Wildlife Wall
- Nature Strikes
- High and Mighty
- Children's Corner
- Our Past, Present, and Future

- b) **Is there a clear and effective plan of dissemination of the materials produced through the project?**

The exhibits will be available to the public during Center operating hours.

*(For reviewer only)*

*(1-2 points)*

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## 9) EXPERIENCE & QUALIFICATIONS:

- a) **Please briefly describe the qualifications of the program administrator(s), including prior experience, and areas of expertise.**

Program administrators include the refuge manager and visitor service manager.

Layne Hamilton: Refuge Manager

- 4 years experience with wildlife managaement: Florida Game and Fresh Water Fish Commission
- 30 years experience with natural resource and visitor services management on National Wildlife Refuges in Mississippi, Louisiana, South Carolina and Florida.
- B.S. – Wildlife Ecology, University of Florida 1980
- M.S. – Wildlife Science, Louisiana State University 1986

Kim King-Wrenn: Visitor Service Manager

- 10 years of experience in visitor services management and environmental education with the U.S. National Park Service
- 20 years experience with natural resource and visitor services management on National Wildlife Refuges in North Carolina, New Mexico, Illinois and Florida.
- BA – Environmental Sciences and Ecology, State University of New York 1988

**b) How is the program manager sufficiently capable and qualified to conduct the proposed project successfully?**

Ms. Hamilton and Ms. King-Wrenn have extensive experience in federal contract management, funding partnerships, and grant management. Both have worked in multiple large, complex visitor services programs throughout the National Wildlife Refuge System and have been involved in exhibit development and maintenance, in addition to supporting interpretive and educational programs.

**c) What previous projects of this nature have been completed by the program manager?**

Ms. Hamilton supervised the design, fabrication and installation of exhibits at J.N. "Ding" Darling NWR Visitor Center (Sanibel, FL) from 1999-2001.

*(For reviewer only)*  
*(1-3 points)*

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**10) PROJECT GOALS:****a) What are the long-term goals of this project as it relates to the ICW?**

The long-term goal is to provide exhibits that will help visitors forge an emotional and intellectual connection with the Refuge, its partners and the local community by encouraging them to explore and support the valuable resources associated with the IRL and its watershed.

**b) What is the expected duration/frequency of this program?**

The exhibits will support an outreach and education program for the next 20-30 years. Regular reviews of messages, technology and materials will occur to provide relevant upgrades and updates as appropriate.

*(For reviewer only)*  
*(1-2 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 00-25B  
(Effective Date: 3-21-01, Revised 4-240.-06)

## ATTACHMENT D-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

(See Rule Section 66B-1.005 & 1.008 for eligibility and funding ratios)

<b>Project Title:</b>	Merritt Island National Wildlife Refuge Community Conservation Education Center Exhibits
<b>Applicant:</b>	U.S. Fish & Wildlife Service

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
12 educational exhibits	\$750,000	\$375,000	\$375,000
A. Partnering to Protect	7%	\$26250	\$26250
B. For Wildlife and You	7%	\$26250	\$26250
C. For the Birds	7%	\$26250	\$26250
D. Keep Looking Up!	5%	\$18750	\$18750
E. Estuary Experience	15%	\$56250	\$56250
F. Healthy Habitats	10%	\$37500	\$37500
G. Healthy People	8%	\$30000	\$30000
H. What We Do For Wildlife Wall	7%	\$26250	\$26250
I. Nature Strikes	7%	\$26250	\$26250
J. High and Mighty	7%	\$26250	\$26250
K. Kids' Korner	10%	\$37500	\$37500
L. Our Past, Present, and Future	10%	\$37500	\$37500

<b>**TOTALS =</b>	<b>\$750,000</b>	<b>\$375,000</b>	<b>\$375,000</b>
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## ATTACHMENT D-6

## COOPERATIVE ASSISTANCE PROGRAM 2017

## PROJECT TIMELINE

<b>Project Title:</b>	Merritt Island National Wildlife Refuge Community Conservation Education Center Exhibits
<b>Applicant:</b>	U.S. Fish & Wildlife Service

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

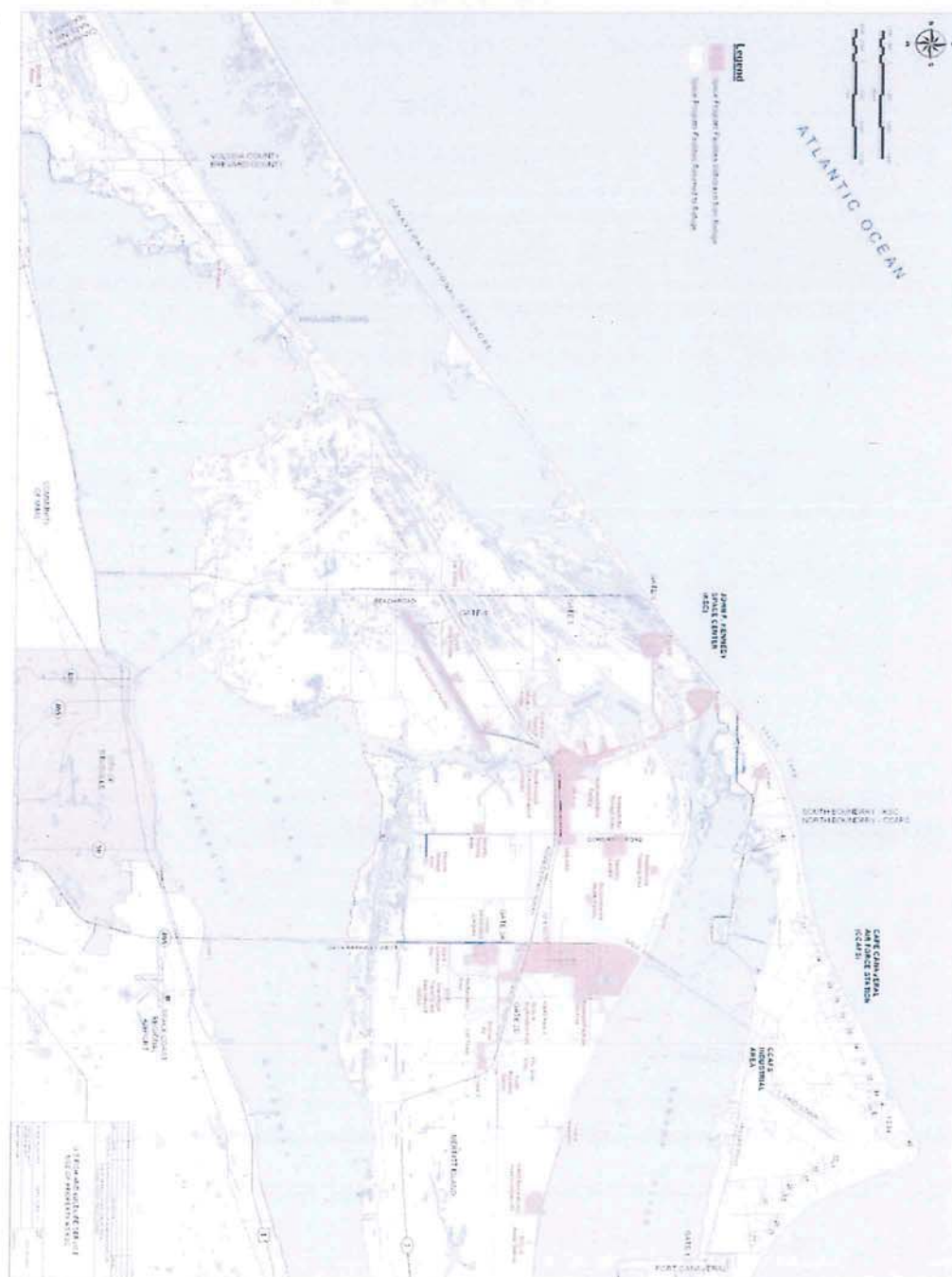
**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-1.005(3) - Pre-agreement expenses)

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Wilderness Graphics has been awarded a design/build contract for this project and the concept design was completed in January 2016. Exhibit fabrication will take approximately one year and will begin once building plans are finalized. Building plans should be finalized by June 2018 which would put exhibit completion at approximately June 2019.

KCA-1649  
Rev. B

## APPENDIX A

MAP: CANAVERAL NATIONAL SEASHORE  
MERRITT ISLAND NATIONAL WILDLIFE REFUGE  
APRIL 2012



Merritt Island National Wildlife Refuge Community Conservation Education Center Exhibits



Merritt Island National Wildlife Refuge Community Conservation Education Center

ITEM 9.4





## Merritt Island National Wildlife Refuge Community Conservation Education Center Exhibits



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>			
<b>Department:</b>	Public Works		
<b>Project Title:</b>			
<b>Project Director:</b>		<b>Title:</b>	
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Beth G. Lemke	<b>Title:</b>	Strategy/Grants Consultant
<b>Mailing Address:</b>	206 North Beach Street, Suite 200		
<b>City:</b>	Daytona Beach	<b>Zip Code:</b>	32114
<b>Email Address:</b>	blemke@planningsolutionscorp.com	<b>Phone #:</b>	407.491.9477
<b>Project Address:</b>	Beach Street Riverfront, Northeast intersection International Speedway Boulevard		

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

SIGNATURE: Beth G. Lemke DATE: 3/1/2017

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

Day Docks were recommended as part of the Riverfront Master Plan to be constructed just north of the International Speedway Boulevard Bridge to provide boating access to the many destinations of downtown Daytona Beach. These docks will provide access for vessels of various sizes and types to Riverfront Park, with its planned new amenities and entertainment venues, the cultural offerings of the News Journal Center, the Public Library, the Riverfront Shops, numerous restaurants, wine bars, a cigar club, a chocolate factory and the Sweetheart Trail (FIND-funded).

The project consists of the construction of a new day dock which will provide 34 slips for vessels of various sizes. The day docks will consist of a floating concrete dock system with finger piers. The associated improvements include a 57.5' timber dock and 25' aluminum gangway connecting the floating dock to the park, lighting, caution signs and channel markers. The access channel and boat basin will be dredged to a depth of 7.0 feet MWL.



**ATTACHMENT E-3 - PROJECT INFORMATION 2017**

<b>Applicant:</b>	City of Daytona Beach		<b>Project Title:</b>	Riverfront Park Day Docks		
<b>Total Project Cost: \$</b>	1,209,267	<b>FIND Funding Requested: \$</b>	604,633	<b>% of Total Cost:</b>	50	
<b>Amount and Source of Applicant’s Matching Funds:</b>	\$604,633 - FWC Florida Boating Improvement Program Grant (applied for) OR \$604,633 - Volusia County ECHO Grant (if FWC unsuccessful) OR \$604,633 - City Redevelopment Area Funds (if both unsuccessful)					

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☒

**2. If leased or other, please describe lease or terms and conditions:**

See Attorney's Certificate of Title: Board of Trustees State of Florida conveyed Fee Simple title to the City

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

The Esplanade, Riverfront Park and the Halifax River Trail are all projects that are adjacent to this site (the landing area for the docks). The District provided assistance funding for Phase I of the Day Docks in 2015.

Riverfront Park	VO-DB-15-108	City of Daytona Beach	\$90,000.00	\$209,000.00
Esplanade - Phase I				
Riverfront Park Public	VO-DB-95-24	City of Daytona Beach	\$145,000.00	\$355,648.00
Waterfront Boardwalk				
Riverfront Park Public	VO-DB-96-31	City of Daytona Beach	\$55,000.00	\$411,548.00
Waterfront Boardwalk				
Daytona Beach Day Docks - Phase I	VO-DB-15-109	City of Daytona Beach	\$114,175.00	\$228,350.00
Halifax River Trail & Pedestrian Underpass	VO-DB-14-101	City of Daytona Beach	\$52,864.00	\$105,728.00

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

While the waterfront is publicly owned and accessible via Riverfront Park, the Day Docks are the only boat slips/docks in the vicinity that provide boating access to the northern part of downtown.

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

34 new slips will be provided, with 7.0' of depth creating boating and then biking access (via the new trail and proposed bike rental) to 60 shops and restaurants, Farmers Market, Jackie Robinson Ballpark, a chocolate factory/facility tour, museums and fishing supply store, all within walking distance. The boating facilities near this location do not provide these amenities close by. Potential use, based on maximum capacity, with an average turnover rate of 2/day (365 days/year usage) is estimated at 24,820 boats annually, which will prevent overcrowding at other facilities and provide a new destination hub (60+ destinations within it) for recreational boaters along the waterway.

**7. Are fees charged for the use of this project?** No ☒ Yes\*\* ☐ \*\*

**\*\* If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
<b>WMD</b>	N/A	Click here to enter text.	Click here to enter text.
<b>DEP</b>	Yes	June 1, 2016	March 30, 2017
<b>ACOE</b>	Yes	June 1, 2016	April 6, 2017
<b>COUNTY / CITY</b>	N/A-Pd Manatee fee	Click here to enter text.	Click here to enter text.



**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Riverfront Park Day Docks – Phase 2
<b>Applicant:</b>	City of Daytona Beach

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

#8 – Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities.

- b) Explain how the project fits this priority category.**

This project will increase and enhance public access to and from Riverfront Park by dredging an access channel from the Intracoastal Waterway (Channel to the new docks) and for providing 34 new slips for docking and boating access to the downtown destinations of Daytona Beach.

*(For reviewer only)*

Max. Available Score for application 47

Question 1. Range of Score (1 to 5 points)

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## 2) WATERWAY RELATIONSHIP:

### a) Explain how the project relates to the ICW and the mission of the Navigation District.

The project will provide direct access from the Intracoastal Waterway to an existing park (Riverfront Park). It will create a safe navigable channel, through dredging to a depth of 7.0 feet M.W.L., for boating enthusiasts to gain access from the Intracoastal Waterway to Riverfront Park and business establishments located along Beach Street.

### b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

The project improves public navigation by dredging an access channel which will provide safe, easily navigable water access directly to and from the Intracoastal Waterway. It will also provide direct public waterfront boating access to Riverfront Park by providing day docks with 34 slips.

*(For reviewer only)*  
*(1-6 points)*

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## 3) PUBLIC USAGE & BENEFITS:

### a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

This project is adjacent to and part of 2 other FIND-Funded projects: Esplanade (VO-DB-15-108) and Halifax River Trail and Pedestrian Underpass (VO-DB-14-101), and is identified in the City's master plan. Usage of the docks will be 100% for public use. Festivals and events in the Riverfront Esplanade will be accessible by boats via the 34 new slips and dredged channel.

### b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

The addition of day docks to Riverfront Park would be beneficial for and provide recreational boaters, tourists, residents of the City, and surrounding Counties, safe and easy access to the many shops, restaurants, and tourist destinations along the Halifax River waterfront, which boater's desire. The docks provide a potential location for a future public water taxi service. The City envisions boaters getting off of their boats, walking or renting bikes in the FIND-Funded Riverfront Esplanade and traveling along the FIND-Funded Halifax River Trail, or traveling to some of the nearby restaurants and shops.

Residents from the adjacent counties can easily access and use this project. The docks would be easily accessible from the waterway. Residents from the surrounding counties will have waterfront access from the Intracoastal Waterway. The project connects to the 3,000-mile-long East Coast Greenway Trail providing boaters with bicycle access.

### c) Are there any restrictions placed on commercial access or use of this site?

There are no restrictions regarding commercial access or use of the site.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The project has been designed and the necessary permits were requested in June, 2016 and are anticipated to be obtained by end of April 2017. This is the construction phase for the development/installation of the day docks and access channel dredging. The construction is anticipated to be completed by March, 2019.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

There are no unique aspects of this project that have been identified that could influence the construction timeline.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The City of Daytona Beach will provide matching funds of \$604,633 from the Community Redevelopment Agency. The City is also seeking grant funding from Florida Boating Improvement Program.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

The project costs are not anticipated to increase at this time. Quality materials will specified to withstand the water environment and may increase cost.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

The applicant will investigate methods and materials to be used in an effort to decrease project construction and future maintenance costs.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

Fees will not be charged for use of this public facility.

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

In the City's Riverfront Master Plan, 'dredging and transient docks' were identified as a need because there was no opportunity for visitors to arrive by boat. Supporting Comprehensive Plan policies: Create a balance between passive and active water related uses that take advantage of the riverfront setting;

Emphasize greater use and public access to the Halifax River, water taxis, cultural and historic sites in Riverfront Park and City Island.

Related Redevelopment Element Policy 1.3.1 supports the implementation and development of the downtown waterfront with 'emphasis on greater use and public access to the Halifax River'.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Daytona Beach will be responsible for any costs related to the operation, maintenance, and management of the project for the life of the project. The City intends to keep the docks safe and perform repairs to keep the docks from deterioration in an effort to encourage and promote public use. The City is evaluating a new model for improved maintenance and management of its public spaces as part of their vision to "Create Places for People"; as opposed to building projects.

- c) Will the program result in significant and lasting benefits? Explain.**

There are numerous quality of life sustainability, and economic benefits that will result from the project, including providing boaters access to the City's downtown, ballpark, farmers' market, library, trails and playground along the waterway. It will likely add a new demographic to the downtown area, improving economic vitality.

- d) Please describe any environmental benefits associated with this project.**

The dredging of the access channel will result in removing silt/sludge from a portion of the Intracoastal Waterway to allow better flow and recreational boater's safe access to the day docks. The City will investigate the shoreline in Riverfront Park to minimize or potentially eliminate environmental impacts.

*(For reviewer only)*

*(1-7 points)*

SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

Yes. They were applied for on June 1, 2016. Consolidated Environmental Resource Permit and Sovereignty Submerged Lands Authorization has been obtained. Permittee: City of Daytona Beach/Permit No.: 0344666-001-EI

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

Phase 1 – design and permitting is scheduled to be complete in October 2017.

This project is Phase II for construction and the engineer's cost estimate is \$1,088,340.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

Significant impediments have not been identified at this time. Permits are anticipated by the end of April, 2017.

*(For reviewer only)  
(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

The project design is currently being finalized and is attached.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The City is evaluating how this project may be combined with other dredging projects to occur in the same time period reduce costs.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

This is the construction phase of the Riverfront Park day docks. The majority of the construction work will be performed from barges from land and /or over the water.

- b) How are the utilized construction techniques appropriate for the project site?**

Both land and in-water construction will be necessary as part of the improvements.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

Unusual construction techniques have not been identified that would impact the costs of this project at this time.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

The products utilized for the in-water aspects of the project will be evaluated and carefully selected to withstand exposure to the environment.

- b) Identify any unique construction materials that may significantly alter the project costs.**

Unique construction materials that may alter the costs of this project have not been identified at this time.

*(For reviewer only)*  
*(1-3 points)*

---

**RATING POINT**  
**TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A  
Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	<b>Riverfront Park Day Docks – Phase 2</b>
<b>Applicant:</b>	<b>City of Daytona Beach</b>

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

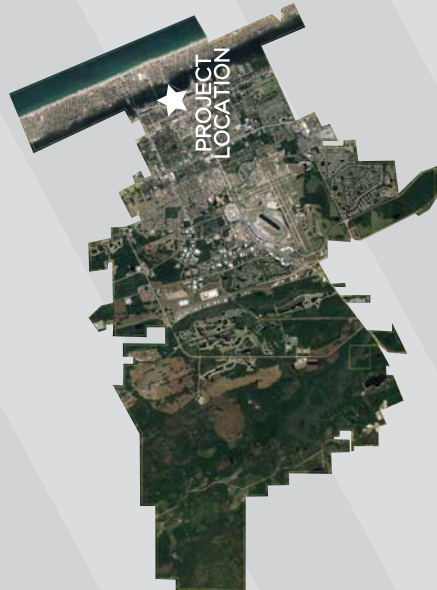
**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

---

Bidding	December 2017
Contract Award	February 2018
Construction Commencement	March 2018
Project Completion	March 2019



CITY OF DAYTONA BEACH



PREPARED BY:

Planning  
Solutions  
Corp.

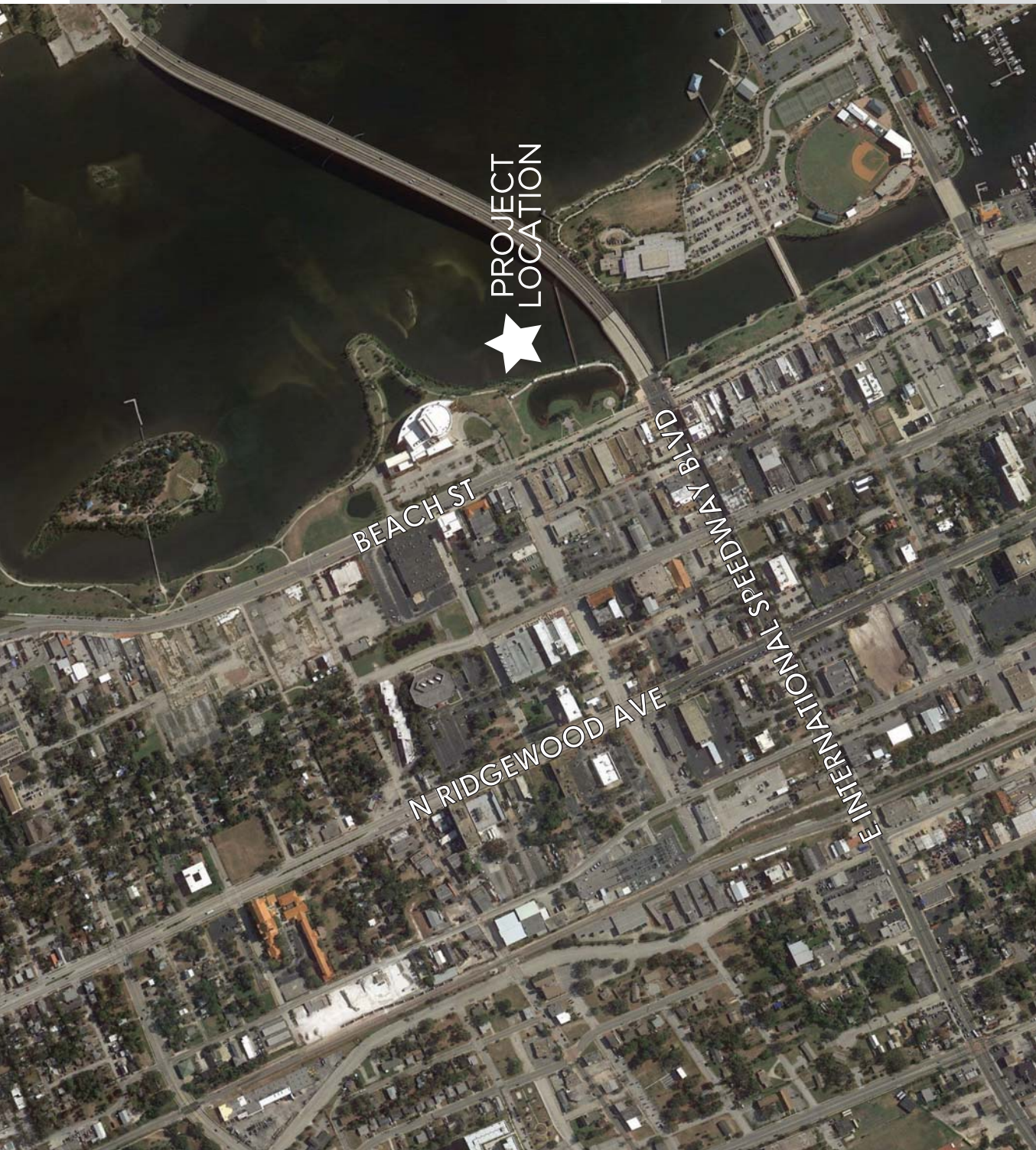
GOVERNMENT  
CONTENT

3/30/17

PSC 01-114

County & Project  
Location Map

RIVERFRONT PARK DAY DOCKS  
PHASE 2 CONSTRUCTION







Access Dredging Area

Day Docks Location

Riverfront Park Boundary

Halifax River Trail Location

Riverfront Esplanade Location



# RIVERFRONT PARK DAY DOCKS PHASE 2 CONSTRUCTION

Boundary Map

# CONSTRUCTION DRAWINGS

## THE CITY OF DAYTONA BEACH RIVERFRONT PARK DAY DOCKS

JANUARY 09, 2017



PROJECT LOCATION MAP



### CITY COUNCIL

DERRICK L. HENRY	MAYOR
RUTH TRAGER	COMMISSIONER
PAM WOODS	COMMISSIONER
KELLY WHITE	COMMISSIONER
ROBERT A. GILLILAND	COMMISSIONER
PATRICK HENRY	COMMISSIONER
PAULA R. REED	COMMISSIONER
JAMES V. CHISHOLM	CITY MANAGER



### ENGINEER CERTIFICATION:

I HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA PRACTICING WITH DMC, DREDGING & MARINE CONSULTANTS LLC, A CORPORATION, AUTHORIZED TO OPERATE AS AN ENGINEERING BUSINESS, UNDER THE PROFESSIONAL ENGINEERING ACT OF THE FLORIDA DEPARTMENT OF PROFESSIONAL ENGINEERS, AND THAT I OR OTHERS UNDER MY DIRECT SUPERVISION HAVE PREPARED OR APPROVED THE EVALUATIONS, FINDINGS, OPINIONS, CALCULATIONS, CONCLUSIONS OR TECHNICAL ADVICE HEREBY REPRESENTED BY THESE DRAWINGS.

Dredging & Marine Consultants  
**DMC**  
ENGINEERS • SCIENTISTS  
4643 S. Clyde Morris Blvd  
Unit 302  
Port Orange, FL 32129  
Phone: (386) 304-6505  
Fax: (386) 304-6506  
www.dmcscs.com  
155

STEPHEN J. KUHN, P.E.  
FLORIDA LICENSE No. 67486

### FLORIDA



### INDEX

SHEET	DESCRIPTION
01	INDEX & LOCATION MAP
02	AERIAL
03	DOCK PLAN
04	PILING PLAN
05	TIMBER & FLOATING DOCK ELEVATION
06	TIMBER DOCK PLAN & CROSS-SECTION
07	GANGWAY & FLOATING DOCK DETAILS
08	GANGWAY & FLOATING DOCK DETAILS
09	LIGHTING & SIGNAGE DETAILS
10	DREDGE PLAN & SECTIONS
11	DREDGE SECTIONS
12	DREDGE OFFLOAD PLAN
13	GENERAL NOTES
14	GENERAL NOTES
15	SPECIAL ENVIRONMENTAL CONDITIONS IN THE DRAWINGS OR PROJECT MANUAL.

### NOTE:

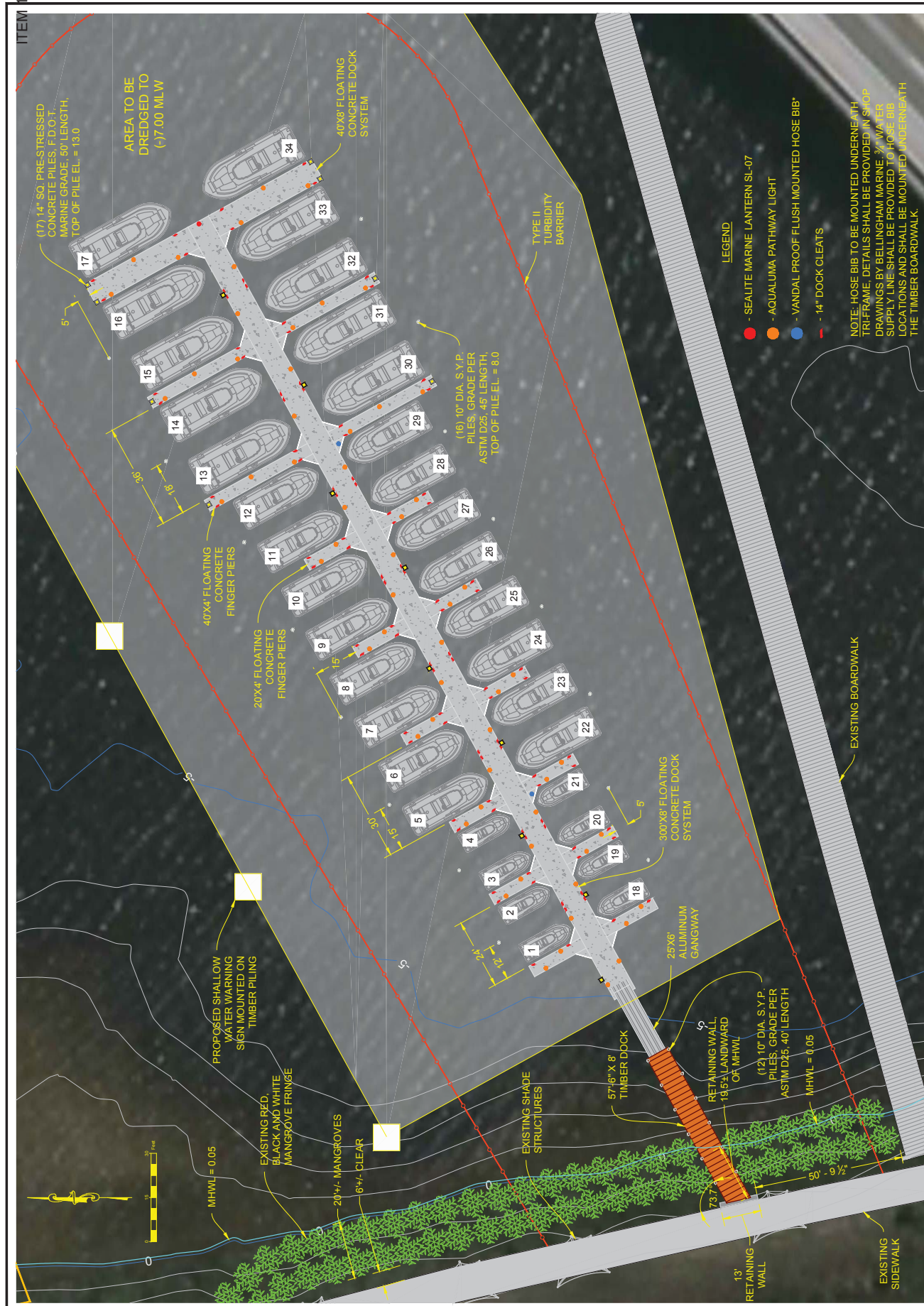
THESE DRAWINGS AND THE PROJECT SPECIFICATIONS ARE COMPLEMENTARY, AND ANY REQUIREMENT OF ONE SHALL BE A REQUIREMENT OF THE OTHER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE THE DRAWINGS AND SPECIFICATIONS AND TO COMPARE THE REQUIREMENTS OF EACH DIVISION AND ENSURE THAT EACH TRADE OR SUBCONTRACTOR IS MAKING THE ALLOWANCES NECESSARY TO PROVIDE THE OWNER A COMPLETE FACILITY, OPERATIONAL IN ALL RESPECTS, UNLESS OTHERWISE SPECIFICALLY STATED IN THE DRAWINGS OR PROJECT MANUAL.

IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DEFICIENCIES OR DISCREPANCIES AMONG THE DIVISIONS OF THE DRAWING AND SPECIFICATIONS PRIOR TO THE BID DATE. NEITHER THE OWNER OR ENGINEER WILL BE RESPONSIBLE FOR ANY DEFICIENCIES OR DISCREPANCIES RAISED AFTER THE BID OPENING. ACCORDINGLY, IN LIGHT OF THESE OBLIGATIONS, THE ENGINEER IS OBLIGATED TO INTERPRET THE DRAWINGS SPECIFICATIONS IN A MANNER THAT WILL PROVIDE THE OWNER WITH A COMPLETE, FUNCTIONING FACILITY FOR THE BID PRICE.











## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b> City of Edgewater			
<b>Department:</b> Parks and Recreation			
<b>Project Title:</b> George R. Kennedy Memorial Park Boat Ramp Replacement			
<b>Project Director:</b> John McKinney		<b>Title:</b>	Assistant City Manager
<b>Project Liaison:</b> <i>(if different from Project)</i>	Niles Cyzycki (DMC)	<b>Title:</b>	Project Manager, DMC
<b>Mailing Address:</b>	4643 S. Clyde Morris Blvd., Unit 302		
<b>City:</b> Port Orange	<b>Zip Code:</b>	32168	
<b>Email Address:</b> ncyzycki@dmces.com	<b>Phone #:</b>	386-304-6505	
<b>Project Address:</b>	103 N. Riverside Dr., Edgewater, FL 32132		

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

SIGNATURE:  DATE: 3/29/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of Edgewater intends to replace, expand and improve the existing 30+ year old boat ramp at George R. Kennedy Park. This is the main launching facility for the City of Edgewater and it is heavily used and badly in need of replacement. The existing ramp has a significant drop off at the end of the ramp slab and the accessory docks are too small and in poor condition. DMC intends to replace and expand the existing ramp and configure new floating accessory docks to provide a safer, more boater friendly launching facility.

**ATTACHMENT E-3 - PROJECT INFORMATION 2017**

<b>Applicant:</b> City of Edgewater		<b>Title:</b> George R. Kennedy Memorial Park Boat Ramp Replacement	
<b>Total Project Cost:</b> \$658,650	<b>FIND Funding Requested:</b> \$320,575		<b>% of Total Cost:</b> 48%
<b>Amount and Source of Applicant's Matching Funds:</b> \$338,075 from FWC FBIP and City Funds			

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

N/A

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

VO-EW-03-57 Kennedy Park Pier \$60,885

VO-EW-14-100 George Kennedy Park Seawall Restoration – Phase 1 \$20,000

2016 George Kennedy Park Seawall Restoration – Phase 2 \$150,000 authorized (to be used in Sept 2017)

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

There are currently 4 boat launch lanes and two accessory docks in poor condition and 35 trailer parking spaces.

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

The proposed ramp replacement will have three floating concrete accessory docks, over 80 feet of boat ramp width and be designed for ease of use during all stages of the tide.

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	Yes	N/A	N/A
DEP	Yes	Anticipated – May 2017	Anticipated – Sept 2017
ACOE	No	Anticipated – May 2017	Anticipated – Sept 2017
COUNTY / CITY	No	N/A	N/A



**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	George R. Kennedy Memorial Park Boat Ramp Replacement
<b>Applicant:</b>	City of Edgewater

---

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

**#7 – Acquisition, Dredging, Shoreline Stabilization and Development of Public Boat Ramps, etc.**

- b) Explain how the project fits this priority category.**

The replacement of this existing dilapidated ramp will greatly improve the efficiency and safety of the boat launching facility and improve boater access to the adjacent ICW.

*(For reviewer only)*

Max. Available Score for application      47

Question 1. Range of Score    (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

The boat ramp replacement allows improved public access to the ICW.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The replacement of this existing dilapidated ramp will greatly improve the efficiency and safety of the boat launching facility and improve boater access to the adjacent ICW.

*(For reviewer only)*

*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

There are currently 4 boat launch lanes and 35 trailer parking spaces. As the only paved boat launching facility in the City of Edgewater this boat launch facility is almost always full on weekends, holidays and throughout the summer.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The facility is 100% open to all public users. Users of this boat launch utilize gas stations, restaurants and tackle shops locally and throughout the region.

- c) Are there any restrictions placed on commercial access or use of this site?**

No.

*(For reviewer only)*

*(1-8 points)*

---



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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

A conceptual plan and cost estimate has been completed.

Design – April 2017 to July 2017

Permitting – May 2017 to September 2017

Bidding – September 2017 to October 2017

Construction – December 2017 to May 2018

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

None anticipated at this time.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

FWC FBIP Grant Funds: \$169,037.50

City of Edgewater: \$169, 037.50

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

Dewatering the boat ramp area to construct a pour in place boat ramp will add cost to the project as will utilizing a concrete floating system supported by concrete pilings for the accessory docks. However, these materials will last much longer given the considerable public use facility encounters.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

Because of the adjacent parking and loading area next to the existing ramp all construction can be completed by cost effective land based equipment.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

No fees associated with using this facility.

*(For reviewer only)* *(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

This launching facility serves as the main access for boaters to access the ICW in the City of Edgewater.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

This launching facility serves as the main access for boaters to access the ICW in the City of Edgewater.

- c) **Will the program result in significant and lasting benefits? Explain.**

The replacement of this existing dilapidated ramp will greatly improve the efficiency and safety of the boat launching facility and improve boater access to the adjacent ICW.

- d) **Please describe any environmental benefits associated with this project.**

The replacement of the ramp will help eliminate scour and turbidity created during vessel power-loading at the existing ramp.

*(For reviewer only)*

*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

---

**7) PERMITTING:**

- a) **Have all required environmental permits been applied for? (USACE, DEP and WMD)**  
**If permits are NOT required, explain why not.**

Only a conceptual drawing and cost estimate has been completed at this time. The City plans to request pre-agreement reimbursement to recoup 25% of the fees for design and permitting.

- b) **If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

Hydrographic and topographic surveying, in-water geotechnical investigation, design and ERP permitting are the tasks that are yet to be completed.

Cost estimate for Phase II is \$658,650.00

- c) **Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

No impediments are anticipated, the presence of the existing ramp and lack of environmental resources in the project location should make permitting timely.

*(For reviewer only)*

*(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Only a preliminary design and cost estimate has been completed at this time.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The replacement of this existing dilapidated ramp will greatly improve the efficiency and safety of the boat launching facility and improve boater access to the adjacent ICW, in addition the extended ramp will help eliminate scour and turbidity created during vessel power-loading at the existing ramp.

*(For reviewer only)*

*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

Typical construction techniques for in-water work will be utilized. Because of easy access to the project area and a large upland area directly adjacent to the project area the majority of the construction can be completed by land based equipment.

- b) **How are the utilized construction techniques appropriate for the project site?**

Because of the in-water elements of this project typical construction techniques for in-water work are appropriate.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

The need to de-water the boat ramp area to pour-in-place the boat ramp slab will increase the cost of the project but also gives a longer lasting and scour proof completed boat ramp.

*(For reviewer only)*

*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Treated timber, composite sheetpiles, aluminum gangways, pre-stressed concrete pilings, concrete floating docks and stainless steel hardware make up the majority of the materials utilized on this project. The ramp will be designed to have a 50 year design life, however the timber pilings and some hardware will need to be maintained and possibly replaced after 25 years.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

None.

*(For reviewer only)*

*(1-3 points)*

---

**RATING POINT**

**TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A

Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)

## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION  
DISTRICT ASSISTANCE  
PROGRAM 2017**

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

<b>Project Title:</b>	George R. Kennedy Memorial Park Boat Ramp Replacement
<b>Applicant:</b>	City of Edgewater

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Design & Permitting <i>(Pre-Agreement)</i>	\$35,000	\$26,250	\$8,750
Construction & Construction Management	\$623,650	\$311,825	\$311,825

<b>**TOTALS =</b>	<b>\$658,650.00</b>	<b>\$338,075.00</b>	<b>\$320,575</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	George R. Kennedy Memorial Park Boat Ramp Replacement
<b>Applicant:</b>	City of Edgewater

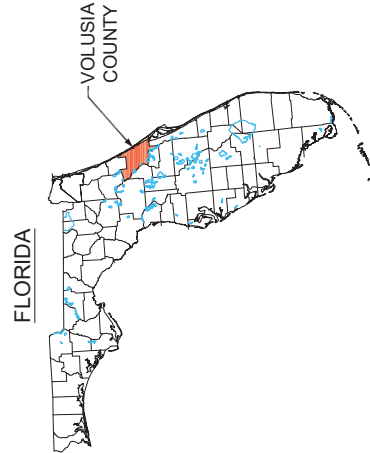
The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

---

Design – April 2017 to July 2017 (Pre-agreement)  
 Permitting – May 2017 to September 2017  
 Bidding – September 2017 to October 2017  
 Construction – December 2017 to May 2018

# CONCEPTUAL DRAWINGS



## THE CITY OF EDGEWATER GEORGE R. KENNEDY PARK BOAT RAMP REPLACEMENT MARCH 29, 2017

PROJECT LOCATION MAP  
103 NORTH RIVERSIDE DR.  
EDGEWATER, FL 32132



### CITY COUNCIL

MAYOR	MICHAEL IGNASIAK
DISTRICT 1	CHRISTINE POWER
DISTRICT 2	AMY VOGT
DISTRICT 3	DAN BLAZI
DISTRICT 4	GARY CONROY



### INDEX

SHEET	DESCRIPTION
01	INDEX & LOCATION MAP
02	SITE PLAN



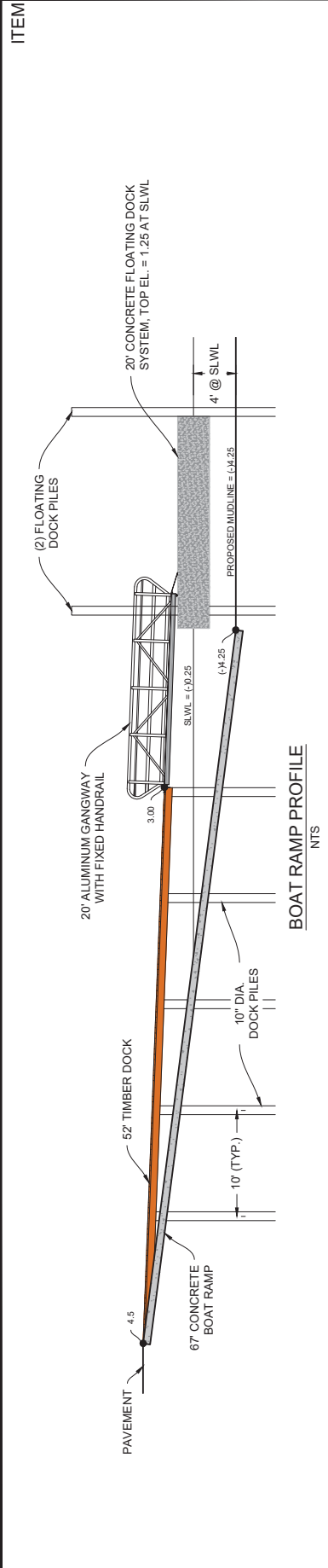
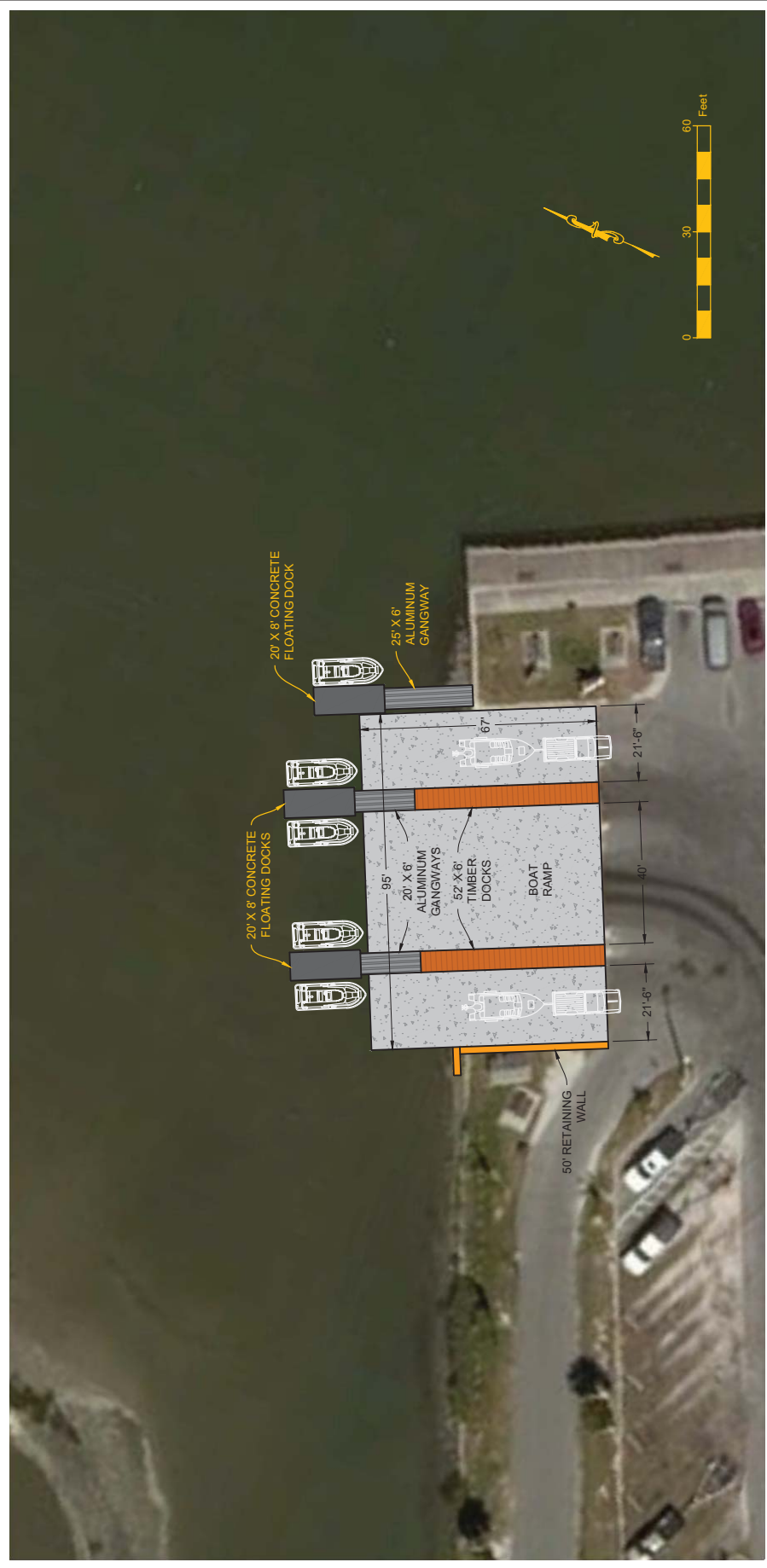
104 NORTH  
RIVERSIDE DR.  
EDGEWATER, FL 32132

**DMC**  
ENGINEERS • SCIENTISTS  
Dredging & Marine Consultants  
4643 S. Clyde Morris Blvd  
Unit 302  
Port Orange, FL 32129  
Phone (386) 304-6505  
Fax (386) 304-6506  
www.dmcscs.com

PROJECT NAME:  
GEORGE R. KENNEDY PARK  
BOAT RAMP REPLACEMENT

CITY OF EDGEWATER

APPROVED S&M	DATE 03-29-2017
CHECKED C&M	SCALE AS SHOWN
DRAWN AR	CAD C3D
DWG JOB NO.	15-093-03
DRAWING:	BOAT RAMP CONCEPTUAL
SHEET NO.	0.02



ITEM 1



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

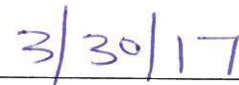
<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of New Smyrna Beach		
<b>Department:</b>	City Manager's Office		
<b>Project Title:</b>	Swoope Boat Ramp additional parking phase II( Construction)		
<b>Project Director:</b>	Khalid Resheidat, P.E.	<b>Title:</b>	Assistant City Manager
<b>Project Liaison:</b> <i>(if different from Project Director)</i>		<b>Title:</b>	
<b>Mailing Address:</b>	210 Sams Ave		
<b>City:</b>	New Smyrna Beach	<b>Zip Code:</b>	32168
<b>Email Address:</b>	kresheidat@cityofnsb.com	<b>Phone #:</b>	386 410-2612
<b>Project Address:</b>	2455 Boat Ramp Drive New Smyrna Beach, FL. 32168		

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

SIGNATURE: \_\_\_\_\_



DATE: \_\_\_\_\_



**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The city of New Smyrna Beach intends to construct additional 42 trailer parking spaces at this existing location as well as to create boat ramp middle access dock with gangway and floating dock for the existing ramp. The site is located east of US1 across from the New Smyrna Beach Municipal Airport. The site initially was developed in 2013 with the assistance of FIND grant for design and construction. Currently the site houses the city's boat ramp facility, the Utilities commission maintenance fleet maintenance facility, as well as Volusia County artificial reef storage site. The Utilities Commission just recently demolished the old power generation that was on site for long period of time. As a result the City will be able to utilize this portion of the site for additional trailer parking( approximately additional 42 spaces). The city's intent eventually is to create trailer parking on the entire site. However, this will be done in phases as the other agencies eventually clear the site. Originally when the city started planning on developing this site it was as anticipation of loosing the over flow parking area adjacent to the N. Causeway boat ramp. The adjacent property is in the process of being developed into commercial private development. Eventually when all agencies clear the site, this site will hold 165 trailer parking spaces.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of New Smyrna Beach	<b>Project Title:</b>	Swoope Boat Ramp additional parking ph		
<b>Total Project Cost: \$</b>	600,000.00	<b>FIND Funding Requested: \$</b>	300,000.00	<b>% of Total Cost:</b>	50
<b>Amount and Source of Applicant's Matching Funds:</b>	\$300,000.00 out of City's General fund reserve				

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

NA

3. Has the District previously provided assistance funding to this project or site? Yes: ☒ No: ☐

4. If yes, please list:

The city received \$687,952.00 for the initial phase for design and construction in 2103.

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

The site is open to the public with currently 35 trailer parking, 10 parking spaces, boat ramp, floating docks, as well as restroom. Other sections of the site are used by the Utilities Commission and Volusia County where the public are not allowed.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

42 trailer parking spaces, and create middle access dock with gangway and floating dock within the existing ramp.

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	Yes	3/24/17	
DEP	Yes		
ACOE	Yes		
COUNTY / CITY			



## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Swoope Boat Ramp additional parking phase II( Construction)
<b>Applicant:</b>	City of New Smyrna Beach

---

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

#7 Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities.

- b) Explain how the project fits this priority category.**

This project is additional trailer parking to an existing public boat ramp facility as well as adding middle access dock with gangway and floating dock within the existing ramp.

*(For reviewer only)*

Max. Available Score for application     47

Question 1. Range of Score    (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

This project will create additional trailer parking to an existing boat ramp facility. The facility abuts the ICW and that will improve boater access to this rae of the intercoastal.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

This project would be completely accessible and used by the public to access the ICW. It shorten the distance to the ICW comparing to the N. Causeway boat ramp facility. There are economical and environmental benefits.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

All parking and launching facilities would be 100% accessible and available to the public use.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The public boat ramp with additional parking will accommodate the demand for water users between the City of New Smyrna Beach and the City of Port Orange existing launching facilities. In addition, building middle access dock with gangway and floating dock for the existing ramp.

- c) Are there any restrictions placed on commercial access or use of this site?**

There are no specific restrictions for some commercial use such as testing boats. However, if there are marine construction to use of the site, typically they lease a portion of the site for their use and lease agreement will be approved by the city commission.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

This project is being considered for the construction of additional trailer parking spaces. Attachment E-6 have a reasonable and effective timeline for the completion of the project.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

There are no unique aspects that could influence the project time line for this phase. The Utilities Commission removed the old power generation plant in December, 2016. However, in the future phases of development, the Utilities Commission fleet maintenance and Voulisia County artificial reef storage site relocations are critical in order to utilize the entire site as trailer parking.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City's General Fund Reserve \$300,000.00

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

At this point, there is no increase in project costs anticipated.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

use best practices and standard construction practice for parking lot construction. these practices were utilized in the initial construction of the first 35 spaces.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

None are proposed at this point. Should the city considers such action in the future, this will be discussed and approved by FIND staff prior to any implementation.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

This project is essential in providing additional trailer parking in anticipation of loosing all of the over flow parking area adjacent to the N. Causeway boat ramp facility. The adjacent property will be developed by a private developer.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The existing site is being maintained by the City of New Smyrna Beach Maintenance Operation staff and will continue to be maintained on a regular basis with the additional trailer parking spaces.

- c) **Will the program result in significant and lasting benefits? Explain.**

yes it will as the project will provide additional trailer parking that is much needed in New Smyrna Beach and alleviate the parking shortage at the N. Causeway boat ramp facility.

- d) **Please describe any environmental benefits associated with this project.**

The facility is close to the inlet and ICW. Therefore, the distance is shorter to the inlet.

*(For reviewer only)*  
*(1-7 points)*

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**SUB-TOTAL** \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

---

**7) PERMITTING:**

- a) **Have all required environmental permits been applied for? (USACE, DEP and WMD)**  
**If permits are NOT required, explain why not.**

Some of the permits have been applied for and some will be applied for soon.

- b) **If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

this project is phase II( Construction)

- c) **Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

There are no significant impediments that might potentially delay the timely issuance of the required permits.

*(For reviewer only)*  
*(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

The design was initiated 12/7/17 and at this point its approximately 60% complete

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

Additional parking will enhance public usage and improve the water quality since additional stormwater system will be used to minimize and improve the discharge outflow.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

Typical parking lot design with asphalt surface finish.

- b) **How are the utilized construction techniques appropriate for the project site?**

The new asphalt surface will compliment the existing asphalt surface along with concrete curbs and islands.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

None at this point.

*(For reviewer only)*  
*(1-3 points)*

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---

**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?

The additional parking is asphalt finish with surface life time of 25 years minimum. Resurfacing will be used if needed after the life time expired.

- b) Identify any unique construction materials that may significantly alter the project costs.

None at this point.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A  
Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)



## ATTACHMENT E-5

FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017

## PROJECT COST ESTIMATE

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

<b>Project Title:</b>	Swoope Boat Ramp additional parking phase II( Construction)
<b>Applicant:</b>	City of New Smyrna Beach

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Site work( preparation, mobilization, general condition, insurance,.etc)	\$40,000.00	\$20,000.00	\$20,000.00
Drainage, complete	\$244,000.00	\$122,000.00	\$122,000.00
Paving & Striping	\$185,000.00	\$92,500.00	\$92,500.00
Concrete curb	\$13,500.00	\$6,750.00	\$6,750.00
Electrical & lighting	\$17,500.00	\$8,750.00	\$8,750.00
Fencing	\$15,000.00	\$7,500.00	\$7,500.00
Relocate Gate	\$10,000.00	\$5,000.00	\$5,000.00
Boat Ramp middle access dock W/gangway & Floating dock	\$75,000.00	\$35,000.00	\$35,000.00

<b>**TOTALS =</b>	<b>\$ \$600,000.00</b>	<b>\$ \$300,000.00</b>	<b>\$ \$300,000.00</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

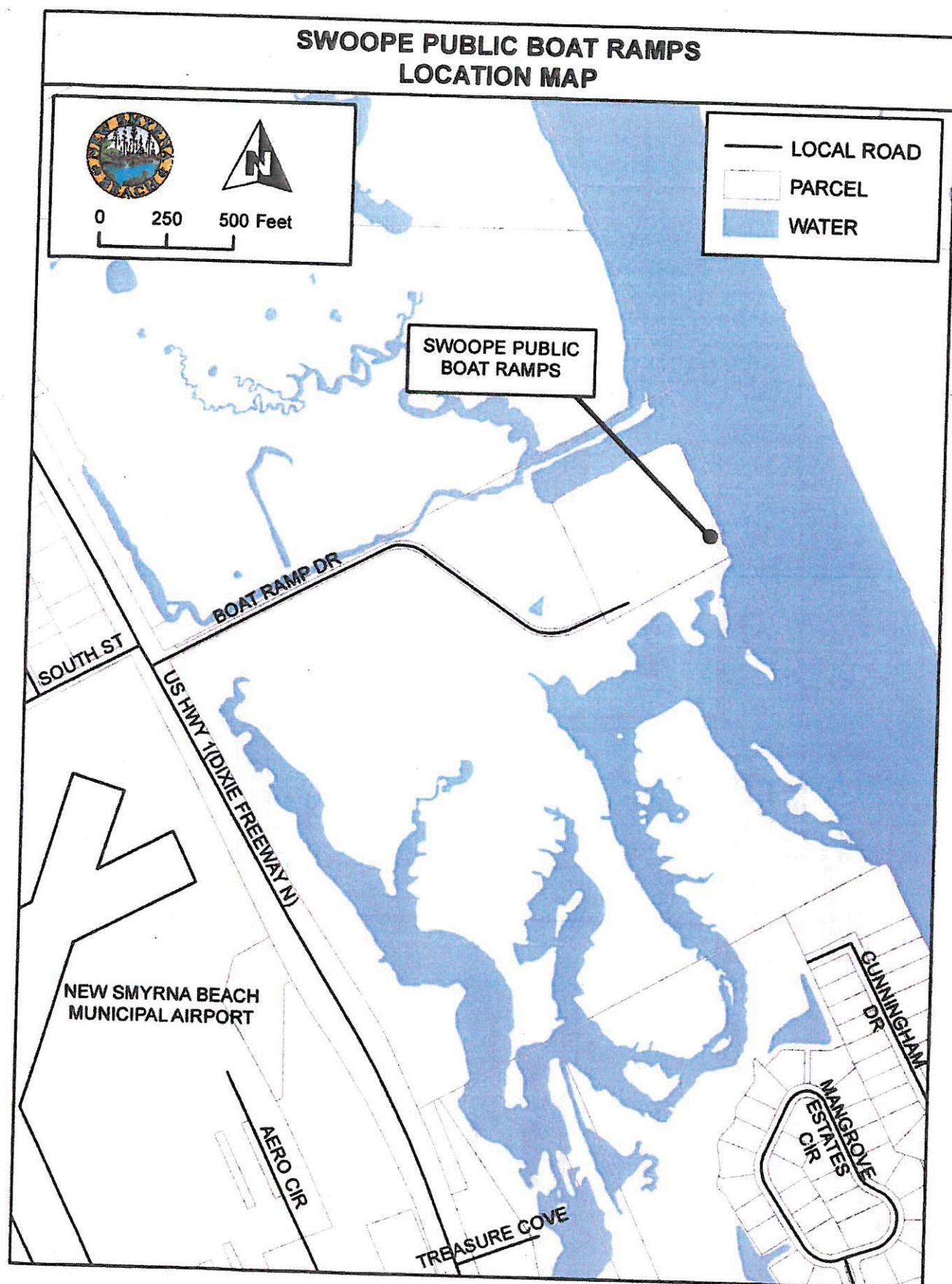
<b>Project Title:</b>	Swoope Boat Ramp additional parking phase II( Construction)
<b>Applicant:</b>	City of New Smyrna Beach

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

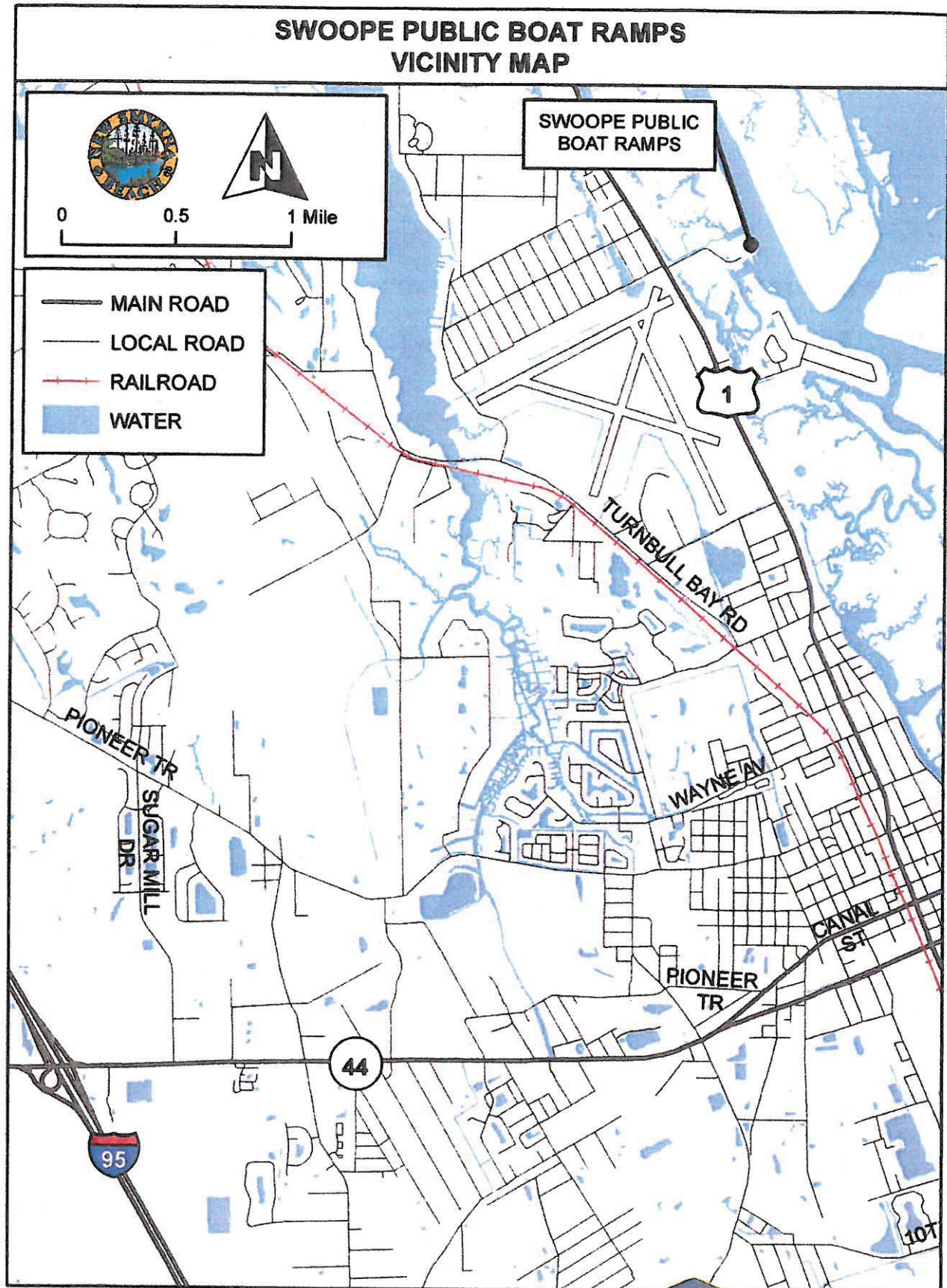
**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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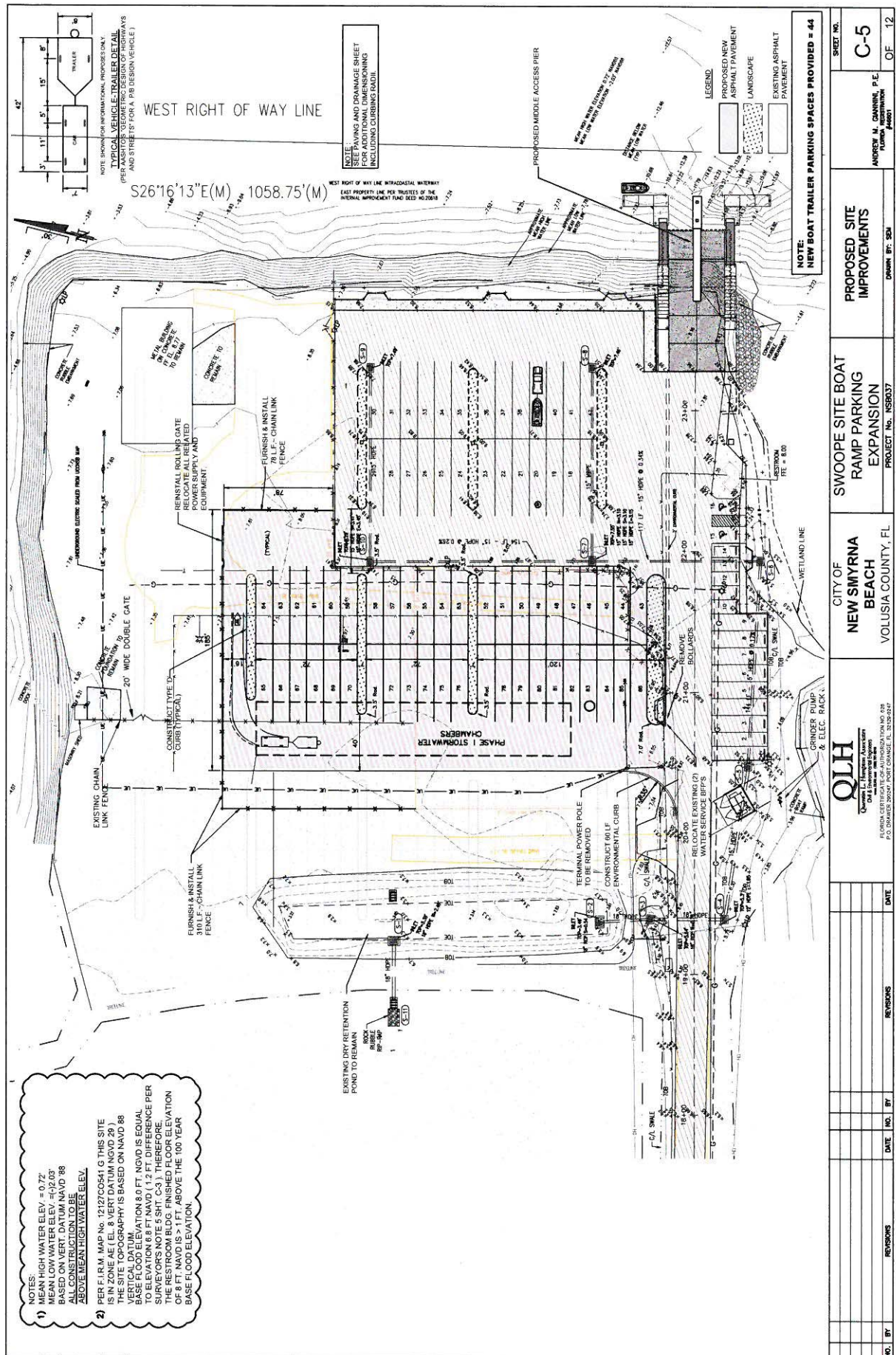
Obtain all permits	August, 2017
Grant agreement approved by the city Commission and FIND	December, 2107
Advertise for bids	January, 2018
Constructions starts	April/May, 2018
Construction completion	November, 2108











## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Oak Hill		
<b>Department:</b>	City Hall		
<b>Project Title:</b>	Sunrise Park Development Phase 1 – Design and Permitting		
<b>Project Director:</b>	Click here to enter text.	<b>Title:</b>	Click here to enter text.
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Beth Lemke	<b>Title:</b>	City Planning Consultant
<b>Mailing Address:</b>	206 North Beach Street, #200		
<b>City:</b>	Daytona Beach	<b>Zip Code:</b>	32114
<b>Email Address:</b>	blemke@planningsolutionscorp.com	<b>Phone #:</b>	407-491-9477
<b>Project Address:</b>	275 River Road, Oak Hill, FL 32759		

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

SIGNATURE: Beth H. Lemke DATE: 3/2/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

Sunrise Park is a .4 acre waterfront park located on the Mosquito Lagoon. The City acquired the park property in 2015 and would like to make improvements to upgrade the park and provide additional waterway access for residents and visitors. The improvements proposed include:

New pavilions and shelters, picnic tables, sidewalks, extending/renourishing the beach, installing rip rap, paving, grading, and drainage, new lighting, signage and striping, landscaping and irrigation, and improved and increased parking including handicap accessible parking. The parking will be increased from 10 spaces to 20 spaces. A new kayak/canoe launch will be installed which will allow public access to Indian River Lagoon and the Mosquito Lagoon Blueway Paddling Trail.

This request is for design and permitting (Phase 1).



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant: City of Oak Hill</b>		<b>Project Title: Sunrise Park Development – Phase 1</b>	
<b>Total Project Cost: \$ 60,175</b>	<b>FIND Funding Requested: \$ 30,087</b>	<b>% of Total Cost: 50%</b>	
<b>Amount and Source of Applicant's Matching Funds:</b>	General Fund \$30,088		

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

Subject property not leased.

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☐ No: ☒

**4. If yes, please list:**

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

Currently, the park is used as an unimproved kayak/canoe launch. The park has 10 parking spaces.

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

The project will add an improved kayak/canoe launch with an off-load area and 20 parking spaces.

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	Yes		
DEP	Yes		
ACOE	Yes		
COUNTY / CITY	Yes		

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Sunrise Park Development – Phase 1 (Design and Permitting)
<b>Applicant:</b>	City of Oak Hill

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application. (The application may only be of one type based upon the predominant cost of the project elements.)

12. Public waterfront parks and boardwalks and associated improvements

- b) Explain how the project fits this priority category.

This project was identified in the City's Waterfront Revitalization Master Plan to enhance and increase the public waterway access. Sunrise Park is located on the Intracoastal Waterway along the Indian River/Mosquito Lagoon and these improvements will provide increased and enhanced access for the residents and tourists of Volusia County by improving and updating the park. The City intends to double the parking to 20 spaces, add a kayak/Stand Up Paddleboard soft launch and off load area, extend/expand the beach area, and add pavilions/shelters for the park users.

*(For reviewer only)*

Max. Available Score for application      45

Question 1. Range of Score    (1 to 3 points)

---

## 2) WATERWAY RELATIONSHIP:

- a) Explain how the project relates to the ICW and the mission of the Navigation District.

The Indian River Lagoon is listed in the "Florida Paddling Trails", a guide to Florida's Top Canoeing and Kayaking Trails, which are directly accessible from Sunrise Park and these improvements will create additional recreational access to the Intracoastal Waterway. It is also on the Mosquito Lagoon Paddling Trail, a 15-mile trail from New Smyrna Beach to Canaveral National Seashore. The park would serve as a stop off destination for the kayakers/paddleboarders using the waterway and provide a haven for the kayakers/paddleboarders in the event of inclement weather. The picnic pavilion, shoreline restoration and increased parking will provide additional access for all users.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

This project will improve public access for non-motorized boaters by creating new kayak/Stand Up Paddleboard soft launch. The park size will be increased through shoreline restoration, providing a usable sandy beach along the waterway.

*(For reviewer only)*  
*(1-6 points)*

---

## 3) PUBLIC USAGE & BENEFITS:

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

The usage of the public facilities that will be constructed and/or improved are 100% for public use. The installation of the kayak/Stand Up Paddleboard launch area will allow all users to access the Intracoastal Waterway/Mosquito Lagoon safely and provide a public waterfront park. The City does not have an identifiable public space and creating one on the waterfront aligns with the community's heritage. This park is already highly utilized by residents and visitors and with the improvements will provide even more access and utilization. Bicycle and pedestrian improvements to the park are planned, which will increase access and utilization.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

The improved safe and easy access provided by the public waterfront park facility will bring paddlers throughout the state (listed in the Florida Paddling Trail) and region (15-mile trail with shorter loops), as well as fishing enthusiasts, picnickers and others. The historic Seminole Rest National Park is within a mile of this park facility, as well as, the renowned Goodrich's Seafood Restaurant. The Canaveral National Seashore to the south is a popular destination for kayakers and paddleboarders. The park and its associated amenities are accessible from the waterway and from the land. Kayak/Stand Up Paddleboards will utilize the waterfront park as an offload location to the Intracoastal Waterway. The park facility is easily accessed from Interstate 95 and US 1 and the increased parking (20 spaces) will improve access.

- c) Are there any restrictions placed on commercial access or use of this site?

There are no restrictions on commercial access or use of this site.

*(For reviewer only)*  
*(1-8 points)*



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#### 4) TIMELINESS

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The project is currently in the initial phase of conceptual design development. The included site development/proposal improvement plan has been approved by the City Commission. Design and engineering are anticipated from October, 2017 to April, 2018. Permitting discussions would begin in October, 2017 and may extend to September 2018.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

Shoreline restoration permitting may influence the project timeline. The team will be proactive in working through any permitting issues encountered.

*(For reviewer only)*

*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The City of Oak Hill will provide the required matching funds from the City's general fund.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

Project cost increases are not anticipated at this time.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

The applicant will investigate both methods and materials to be used, in an effort, to decrease project construction and maintenance costs.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees charged for the use of this public waterfront park facility.

*(For reviewer only)*

*(1-6 points)*

---

**6) PROJECT VIABILITY:****a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes, the City acknowledges that efficient and safe access to the Intracoastal Waterway in a waterfront community brings tourist dollars to the area and provides enjoyment the waterways for its residents.

The City recently adopted a Waterfront Revitalization Master Plan for the waterfront area. The master plan identified deficiencies in the waterfront study area and included recommended capital improvements for Sunrise Park. An excerpt from the master plan – ‘Sunrise Park needs to be further developed to provide additional access and enjoyment of the waterfront. A trail is needed to connect existing destinations along the waterfront and provide additional recreational opportunities for residents and visitors. The trail should connect to the currently designated Mosquito Lagoon Blueway and to new paddling trails created in the wetlands. A boardwalk system over the wetlands would provide additional ecotourism and educational opportunities.’ The City’s comprehensive plan also include parks and recreation goals for the City. Policy 1.5.1. All residents or visitors to the Oak Hill area must be afforded equal opportunity to enter and use each and every recreational facility within the City to include those facilities that afford access to the North Indian River or the Mosquito Lagoon. Objective 1-10 The waterfront and adjacent areas of Oak Hill are by their physical location and natural attributes important resources which, if managed properly will:

(1) allow access to coastal resources and support Oak Hill’s and the region’s resource-based recreational needs; (2) contribute to environmental and cultural resource protection needs of the community; and (3) help to support the continuance of a viable waterfront related economy.

Policy 1.10.1. The City continues to pursue the development of certain public ecotourism infrastructure needs such as shoreline trails and parks, other birding observation platforms, boat ramp and associated parking facilities. 1. The City shall access to the coastal resources and support Oak Hill’s and the region’s resource-based recreational needs; 2. Contribute to environmental and cultural resource protection needs of the community; and 3. Help to support the continuance of a viable waterfront related economy. Policy 1.10.2. The City shall pursue the development of certain public ecotourism infrastructure needs such as shoreline trails and parks, boat ramp and associated parking facilities.

**b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Oak Hill will be responsible for the costs related to maintenance, operation, and management of the park facility for the life of the project. They have a budget line item for park maintenance and will consider the ongoing maintenance costs in their annual budgeting process. The City’s intent is to keep the public park safe and perform the necessary repairs to keep the park from deterioration to encourage public use. Quality and longevity of materials will be a consideration in the design and construction of the park.

**c) Will the program result in significant and lasting benefits? Explain.**

This project will create a “Place for People” to enjoy the waterfront. The improvements will provide kayak/Stand Up Paddleboards with a new launch area along the Intracoastal Waterway and double the amount of parking available. The improvements combined with the ongoing management and maintenance of the park facility by the City will provide a long-term benefit to everyone and create a new, special place that is connected to the water.

**d) Please describe any environmental benefits associated with this project.**

This project will restore eroded shoreline and protect against future erosion.

*(For reviewer  
only) (1-7 points)*

SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS  
WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

The required permits have not been obtained at this time. The permits will be obtained prior to construction/installation of improvements.

This request is for Phase 1 funding to pursue and obtain the required permits.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

October 2017 to April 2018:	Project Design and Engineering
February 2018 – September 2018:	Project Permitting

The estimated Phase 2 cost:      \$395,000

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

Significant impediments have not been identified at this time.

*(For reviewer only)  
(1-4 points)*



---

**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Since this is a Phase 1 project – the design work has not been completed at this time. The preliminary conceptual plan has been developed and is included in this submittal package.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The unique aspect of this project is to provide shoreline restoration to capture parkland that has eroded. This shoreline restoration, contemplated with a combination of vegetative and riprap structure will provide an environmental benefit and prevent future erosion. Materials and construction technologies will be evaluated to reduce costs and maximize benefits.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

This is a Phase 1 project. At this time, the beach area expansion is proposed to be accomplished by a mechanical approach. Construction technologies will be evaluated in-depth during design.

- b) How are the utilized construction techniques appropriate for the project site?**

Both upland and in-water related construction will be necessary as part of the improvements.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

Unusual construction techniques have not been identified at that time that would impact the costs of this Phase 1 project.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

The materials proposed to be utilized for this project will be selected to withstand the exposure to the salt water environment, be sustainable with long life expectancy and reduce ongoing maintenance.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

Unique construction materials that may alter the costs of this project have not been identified at this time.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT**  
**TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A  
Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)

## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	<b>Sunrise Park Development – Phase 1 Design and Permitting</b>
<b>Applicant:</b>	<b>City of Oak Hill</b>

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
<b><u>Design and Permitting:</u></b>			
-Ecological/Environmental services	\$ 54,705	\$ 27,353	\$ 27,352
-Survey			
-Design services			
-Permits			
<b>Project Administration</b>	\$ 5,470	\$ 2,735	\$ 2,735

<b>**TOTALS =</b>	<b>\$ 60,175</b>	<b>\$ 30,088</b>	<b>\$ 30,087</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM**

**2017 PROJECT TIMELINE**

<b>Project Title:</b>	Sunrise Park Development – Phase 1 Design and Permitting
<b>Applicant:</b>	City of Oak Hill

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

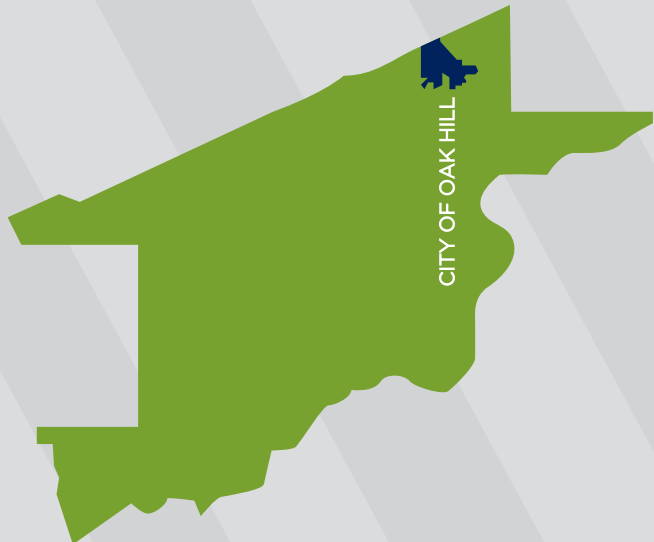
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October, 2017 – April 2018

Design and Engineering

February, 2018 – September, 2018

Permitting



CITY OF OAK HILL



PREPARED BY:

Planning  
Solutions  
Corp.

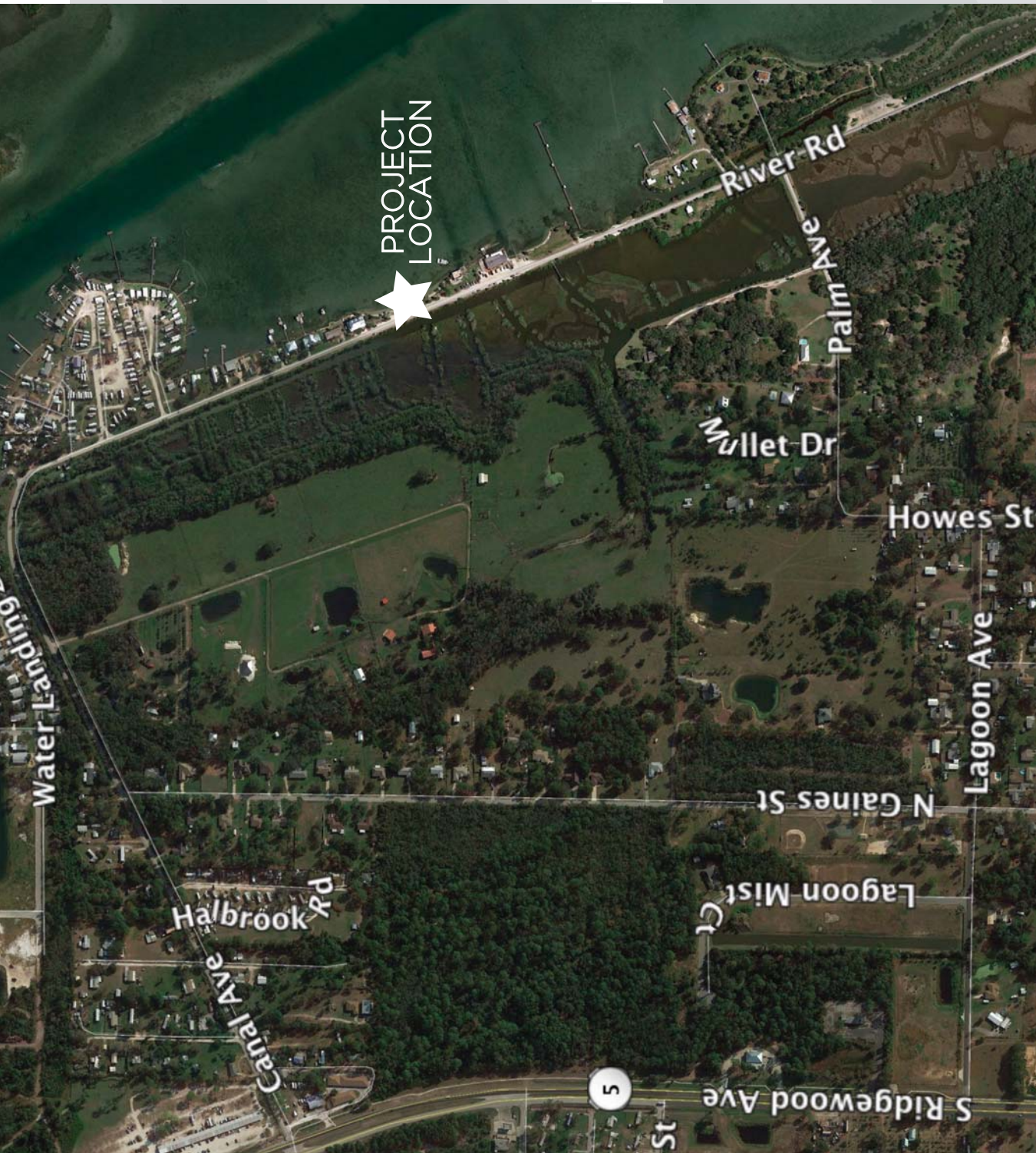
Q&A REVIEW CONTENT  
196

3/30/17

PSC 03-46

County & Project  
Location Map

SUNRISE PARK DEVELOPMENT  
PHASE 1 DESIGN & PERMITTING





ITEM 01



## Boundary Map

# SUNRISE PARK DEVELOPMENT PHASE 1 DESIGN & PERMITTING







PROPOSED IMPROVEMENT PLAN

# SUNRISE PARK

OAK HILL, FLORIDA



MICHAEL REDD ASSOCIATES, P.A.  
PLANNING, DESIGN, ARCHITECTURE, INTERIOR DESIGN, LANDSCAPE ARCHITECTURE, ENVIRONMENTAL PLANNING  
SCALE: 1"=30'  
DATE: 01-26-2016




## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Ormond Beach		
<b>Department:</b>			
<b>Project Title:</b>	Cassen Park Public Dock - Phase II Construction		
<b>Project Director:</b>	John Noble	<b>Title:</b>	City Engineer
<b>Project Liaison:</b> <i>(if different from Project Director)</i>		<b>Title:</b>	
<b>Mailing Address:</b>	22 South Beach Street		
<b>City:</b>	Ormond Beach	<b>Zip Code:</b>	32174
<b>Email Address:</b>	noble@ormondbeach.org	<b>Phone #:</b>	386-676-3302
<b>Project Address:</b>	1 S. Beach Street, Ormond Beach, FL 32174		

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

SIGNATURE:  DATE: 3/9/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The proposed project is to construct an 8 foot wide floating concrete dock that provides 540 LF of mooring area (270 LF per each side) for non-trailerable vessels (26 feet and larger). Included with this project is a shift of the existing channel for the boat ramp and additional dredging to accommodate the vessels that will be docking at this floating pier. All areas accessible by the boats will be dredged to provide a minimum of 6 feet of water depth at low tide. To accommodate for the large fetch area in this section of the river, a rubble breakwater will be constructed along the southern edge of the boat channel. The breakwater will provide "planter" shelves for the establishment of oysters and mangroves. No overnight mooring or fuel stations are proposed.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Ormond Beach	<b>Project Title:</b>	Cassen Park Public Dock		
<b>Total Project Cost: \$</b>	\$844,878	<b>FIND Funding Requested: \$</b>	\$422,439	<b>% of Total Cost:</b>	50
<b>Amount and Source of Applicant's Matching Funds:</b>	Florida Boaters Improvement Program Grant (pending): \$400,000 City of Ormond Beach Funds: \$22,439  These costs are for FY 2017 only and do not reflect previously awarded grants or City encumbered funds.				

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

Cassen Park parcel is owned by the City. The City will lease the project area below MHW from the State via a Sovereign Submerged Lands lease.

3. Has the District previously provided assistance funding to this project or site? Yes: ☒ No: ☐

4. If yes, please list:

1989 and 1993 Granada Riverfront Park Improvements (later renamed "Cassen Park"); 2016 WAP Funds for Engineering and Permitting of the facilities in this application (\$53,299)

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

The current boat ramp has two launching areas and five loading docks. The docks are for temporary mooring for loading and unloading passengers prior to and following use of ramp. There are 36 trailer parking spaces. There is about 1,770 linear feet of boardwalk including the loading docks pavilions and fishing pier

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

No additional ramps or parking are proposed or necessary for the project. The project proposes the creation of 270 LF of floating dock for transient, non-trailerable vessels. The City will require that parked vessels be a minimum of 26 feet in length which results in a total of 12 slips

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	N/A		
DEP	ERP	August 2016	
ACOE	Standard Permit (SP)	August 2016	
COUNTY / CITY	Construction Permit	January 2018	



**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Cassen Park Public Dock - Phase II Construction
<b>Applicant:</b>	City of Ormond Beach

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**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

"Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities"

- b) Explain how the project fits this priority category.**

The project will develop public boat docking for transient, non-trailerable vessels as well as for smaller boats launched from the existing facility. Dredging is a component of developing the boat dock. The uplands are owned by the City and the shoreline is stabilized.

*(For reviewer only)*

Max. Available Score for application    \_\_\_47\_\_\_

*Question 1. Range of Score    (1 to \_5\_ points)*

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**2) WATERWAY RELATIONSHIP:****a) Explain how the project relates to the ICW and the mission of the Navigation District.**

The Cassen Park boat dock will enhance the use of the Halifax River and the greater ICW by creating a public docking facility adjacent to the ICW. Currently, the City does not have public access from the ICW.

**b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

Currently, the City of Ormond Beach has no existing facilities for transient boats traveling through the north Volusia County area, and no public or private marinas exist within the City limits. The nearest such marinas are either over 20 miles north or over 5 miles south.

*(For reviewer only)*

*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:****a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

Persons docking a vessel at the facility will be required to sign in and out at the bait shop located on property. Signage and advertisement shall identify the facility as public use. A conservative estimate of 500 visits per year is anticipated.

**b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The facility will provide free, high quality transient slips to transient boaters in an area where such a facility is lacking and needed. The location of the slips provides access to over 50 points of interest, restaurants, public facilities, etc. located within walking and biking distance. This increase in visitors will increase recreational and economic opportunities for the City of Ormond Beach. Residents from other counties of the District are one of the primary target users for this facility and this use will be promoted. Access to the dock is directly from the main channel of the ICW

**c) Are there any restrictions placed on commercial access or use of this site?**

*(For reviewer only)*

*(1-8 points)*

---

#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The project is at the 90% design plan phase and permitting through FDEP and US Army Corps is nearly complete. Permits are anticipated by June 2017. The final plans for bid preparation and contractor selection should be completed by October 2017. The construction of the project is expected to be completed by October 2018.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

The breakwater will provide planter shelves for oyster and mangrove recruitment. The presence of a shelf and introduced living material is being reviewed to ensure long term structural sustainability. Momentary delays during construction may occur if protected were observed. Overall, this is a typical project in a section of river where similar projects have occurred and no reasonable, significant delays are anticipated.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

FY 2016, Design/Permit: FIND awarded \$53,299; City spent / encumbered \$88,831

FY 2017, Construction: FIND (\$422,439 - pending); FWC FBIP (\$400,000 - pending); City (\$22,439 - encumbered); City funds are Property Tax - TIF funds

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

Standard materials are proposed. The addition of planter shelves will slightly increase the amount of material needed for the breakwater. No specific site conditions occur that will increase project costs.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

Cost efficiency is increased by site selection; the project will occur at an existing waterfront facility with an existing boat channel that is marked by navigational aids, a bait house, parking and nearby public transportation on land.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

No fees are associated with the use of this facility. Loggerhead Marine (5 miles south) charges \$2.25 per ft/ per day.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

This project allows boaters to access Ormond Beach from the ICW, where there is currently no access. The project is located at the Cassen Park public boat launch and fishing pier. There are numerous facilities/attractions within walking/biking distance from the project. Many boaters use this stretch of the ICW for short-duration excursions, as well as a regular flow of boaters on long duration trips (information gathered from the Halifax River Yacht Club and regional platforms for discussion among boating community (Waterway Guide & <http://cruisernet.net/>).

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Ormond Beach currently staffs a facility maintenance department which is responsible for maintaining all city facilities. A budget is adopted every year to cover necessary maintenance costs.

- c) Will the program result in significant and lasting benefits? Explain.**

Yes, the project will give boaters a place to dock in an area which is currently lacking the facility to do so. This will significantly benefit boaters recreational time on the water. The economical benefit to the City of Ormond beach will be substantial and will continue to grow over time with an increased user group. This city owned park will be maintained by city staff and will exist indefinitely for the life of the park.

- d) Please describe any environmental benefits associated with this project.**

The breakwater that will be constructed to dissipate wave action will be designed to promote oyster and mangrove recruitment. Mangroves and oysters help to remove sediment that is suspended in the water, which improves water quality. This structure will provide habitat to an abundant variety of species.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

All environmental permits have been applied for. The DEP and USACE are in the final stages of review prior to permit issuance. Permits are anticipated by June 2017. The city of Ormond Beach requires a construction permit which will be submitted by the selected contractor prior to construction in January 2018.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

This is a Phase II, construction project. Phase I was awarded WAP funds in the 2016 grant cycle. Cost estimates and tasks for Phase I and Phase II have been identified and separated in the provided cost estimate (provided as an attachment) and the task schedule (Form E-6).

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

No major issues have been identified that would potentially delay the issuing of permits.

*(For reviewer only)  
(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

The design is currently at the 90% plan set which is being utilized to secure environmental permits. Following this, the final plan sets will be developed.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The project enhances public access to the City of Ormond Beach, where access from the water is not currently available. The breakwater for the project will promote oyster and mangrove growth.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

The entirety of the project will be completed utilizing barge mounted construction equipment. Pilings will be jetted or driven utilizing barge mounted cranes and all dredging is to be completed by barge mounted excavators.

- b) How are the utilized construction techniques appropriate for the project site?**

Because there is no upland access to the project area barge mounted equipment is a must. In addition, construction utilizing in-water equipment will allow the park to remain open to the public.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

In-water construction is always a more costly and timely than typical upland construction, however, the use of pre-constructed and pre-fabricated docking components will allow the contractor to assemble the proposed docking system very quickly. In addition, the relatively close proximity of several sites that can be easily utilized for wave-break material loading and dredge material offload should assist in minimizing the overall construction costs and time.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

The dock will be concrete, which has a significantly longer life span than other possible materials. Concrete docks are not subject to warping, rotting, insect damage or decay as common wooden docks are.

- b) Identify any unique construction materials that may significantly alter the project costs.**

No unique construction materials are proposed.

*(For reviewer only)*  
*(1-3 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	Cassen Park Public Dock - Phase II Construction
<b>Applicant:</b>	City of Ormond Beach

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Dredging	\$311,475	\$155,738	\$155,737
Dock and Access. Features	\$310,903	\$155,451	\$155,452
Breakwater	\$172,500	\$86,250	\$86,250
Construction Administration	\$50,000	\$25,000	\$25,000
		Includes City funds and FBIP Grant funds	
<b>**TOTALS =</b>	<b>\$ \$844,878</b>	<b>\$ 422,439</b>	<b>\$ 422,439</b>

**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Cassen Park Public Dock - Phase II Construction
<b>Applicant:</b>	City of Ormond Beach

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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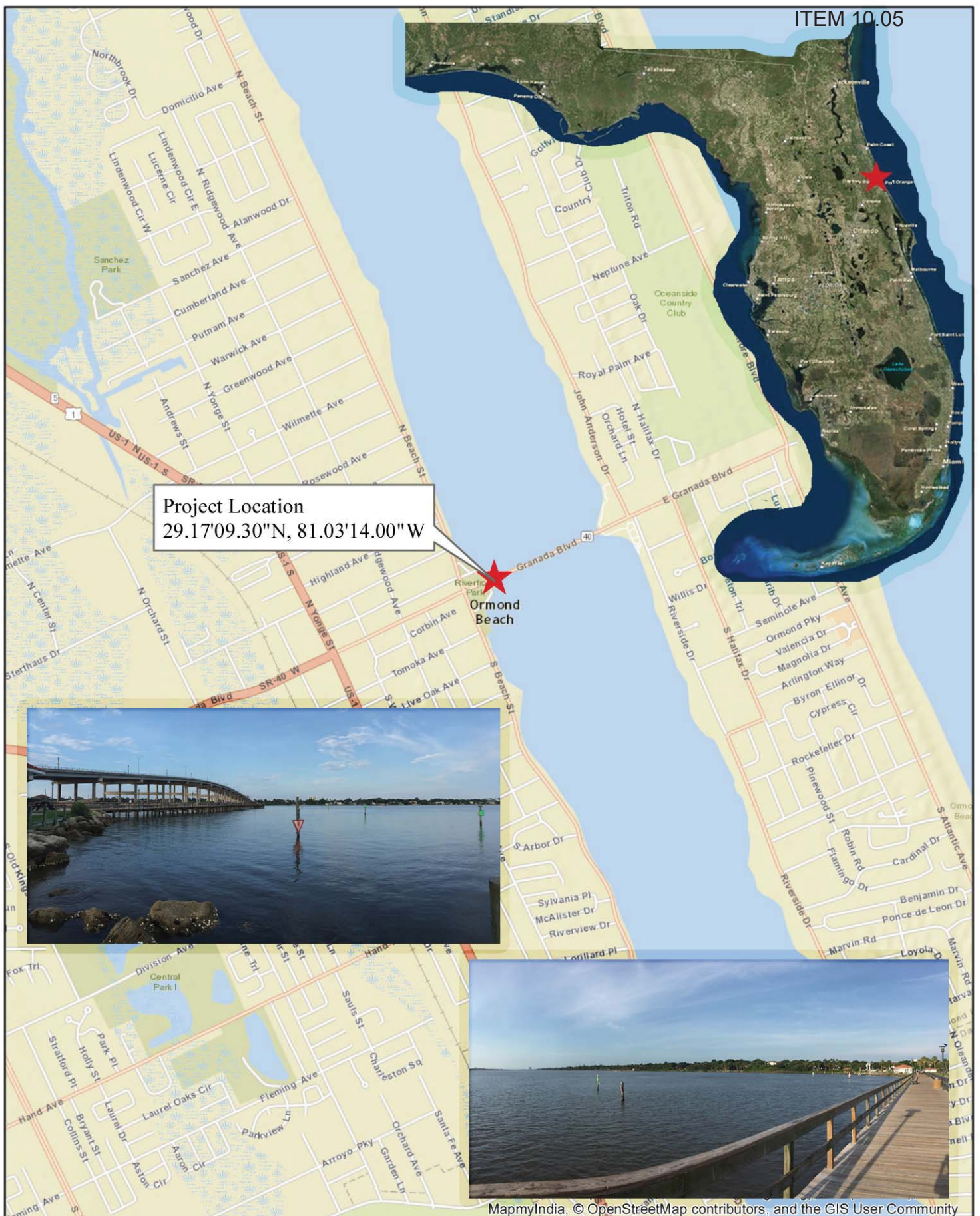
Pre-Agreement / Previously Funded Task Timeline (Phase I):

Surveying and mapping: Feb 2016  
 Survey, Geotechnical: March 2016  
 Sediment Sampling and Analysis: April 2016  
 30% Plans and City Review: May 2016  
 60% Plans and ERP Submittal: June 2016  
 90% Plans and City review: December 2016  
 Environmental Resource Permits: June 2017  
 100% Plans: October 2017  
 Bidding: December 2017

Post-Agreement Timeline (Phase II)

Construction Contract Award: Feb 2017  
 Construction start date: March 2017  
 Construction Completion: October 2017





Date: 7/15/2015  
File: 15124/Location

## Project Location

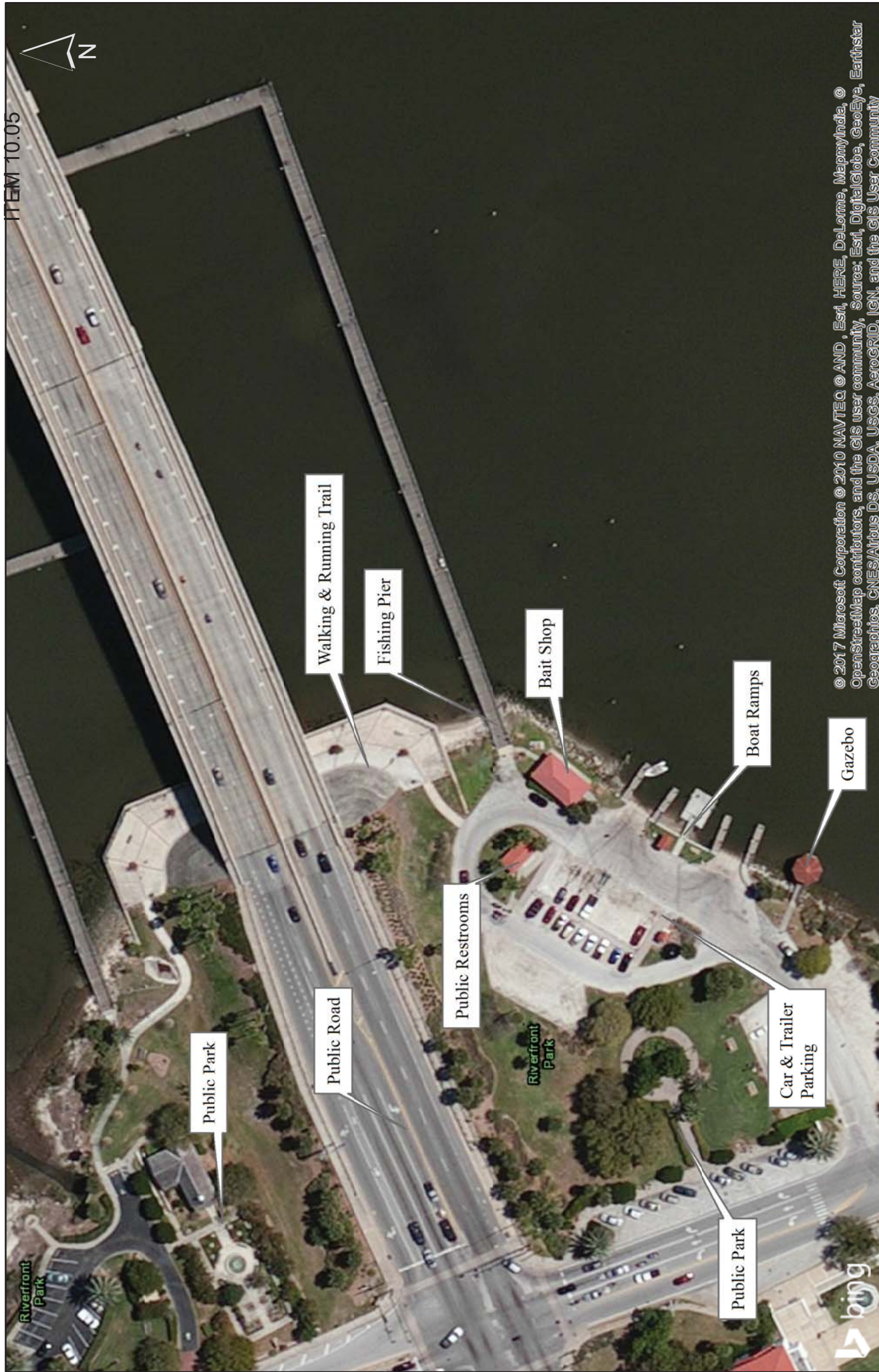
### Ormond Beach Cassen Park

### Ormond Beach, FL

300 Interchange Blvd  
Ormond Beach, FL 32174  
ph 386-677-2482

2,000 1,000 0 2,000 Feet





ITEM 10.05

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OpenStreetMap contributors, and the GIS user community. Source: Esri, DigitalGlobe, GeoEye, Earthstar  
Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Date: 7/16/2015  
File: 15124/Amenities

## Amenities Map Ormond Beach Cassen Park Ormond Beach, FL

300 Interchange Blvd  
Ormond Beach, FL 32174  
ph 386-677-2482



100 50 0 100 Feet





Image courtesy of USGS Earthstar Geographics SIO © 2017 Microsoft Corporation © 2010 NAVTEQ © AND, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Date: 8/10/2015  
File: 15124/Parcel

## Project Boundary Map Ormond Beach Cassen Park Ormond Beach, FL

300 Interchange Blvd  
Ormond Beach, FL 32174  
ph 386-677-2482





PROJECT NO. 16-099-08	NOT VALID WITHOUT SEAL
ISSUED DATE: 11/16/2016	EXPIRATION DATE: P.E.
ISSUED BY: NC	AND SEAL
TESTED BY:	
TESTED BY:	
TESTING FILE:	
TESTING FILE:	
TESTING FILE:	

CITY OF ORMOND BEACH  
AERIAL PLAN  
CASSEN PARK FLOODING DOCK,  
BREAKWATER AND DREDGING

**DMC**  
Designing & Marine Consultants  
Unit 302  
4643 S. Clyde Mimos Blvd  
Port Orange, FL 32129  
Phone: (386) 304-6505  
Fax: (386) 304-6506  
www.dmcscs.com  
ENGINEERS • SCIENTISTS

300 INTERCHANGE BLVD., STE. C  
ORMOND BEACH, FL 32174  
(386) 877-2482 FAX (386) 677-2505

ST. AUGUSTINE  
6227 AIA SOUTH, STE. #102, OFFICE 4  
ST. AUGUSTINE, FL 32080  
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EDGEWATER  
1840 AIRPORT ROAD  
EDGEWATER, FL 32132  
(386) 677-2482 FAX (386) 677-2505



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## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>Applicant:</b> City of Port Orange			
<b>Department:</b> City Manager's Office			
<b>Project Title:</b> Causeway Park Fishing Pier Repair and Improvement			
<b>Project Director:</b> Susan Lovallo		<b>Title:</b>	Parks & Recreation Director
<b>Project Liaison:</b> <i>(if different from Project)</i>	Theresa Brooks	<b>Title:</b>	Grants Manager
<b>Mailing Address:</b>	1000 City Center Circle		
<b>City:</b> Port Orange	<b>Zip</b>	32129	
<b>Email Address:</b> tbrooks@port-orange.org	<b>Phone #:</b>	386-717-9050	
<b>Project Address:</b>	93 Dunlawton Avenue, Port Orange		

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

SIGNATURE: Theresa Brooks DATE: 3/30/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of Port Orange desires to repair and renovate two existing fishing piers at Causeway Park, 93 Dunlawton Avenue, Port Orange, Florida that were damaged by Hurricane Matthew in October 2016. Additionally, it is seeking funds to demolish one fishing pier that has been damaged and deemed not economically feasible for repair. Repair and removal of these damaged facilities will ensure that no debris ends up in the navigable part of the Halifax River where it could impede boating and fishing along that part of the river.

The piers are currently closed to the public for safety reasons and the City considers reopening this facility for recreational fishing to be a high priority in accordance with the goals and objectives of the Parks and Recreation's Mission Statement.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>		<b>Project Title:</b>	
<b>Total Project Cost: \$500,000</b>		<b>FIND Funding Requested: \$250,000</b>	<b>% of Total Cost: 50%</b>
<b>Amount and Source of Applicant's Matching Funds:</b> Matching funds of \$250,000 will be provided by budgeted funds from the Parks & Recreation Department's Capital Project Fund 315			

**1. Ownership of Project Site (check one):** Own: ☐ Leased: ☒ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

The property is a part of the Dunlawton Avenue Right-of-way (under Dunlawton Bridge - State Road 421) extending from Halifax Drive east to and within the Halifax River and the Intracoastal Waterway. It is under a 20 year lease agreement, dated August 17, 1993, from the Florida Department of Transportation, renewable for an additional ten (10) years at Lessee's option. This lease was renewed for ten (10) years on October 28, 2013.

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:** The City first received funding from FIND for the development of Causeway Park in 1991 and received assistance for expansion and enhancements in 1995, 1996 and 2007.

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):** The park currently has 4 boat ramps, 3 fishing piers and 4,000 linear feet of boardwalk. Parking Space for 40 vehicles w/trailers and 20 regular vehicles are available

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?** This project consists of repair and renovation of two existing fishing piers that were damaged during Hurricane Mathew in October 2016, rendering them unsafe for use. Additionally, it includes funding for the demolition of one wooden fishing pier that based on lesser usage and high repair cost estimates has been determined to be economically unfeasible to rebuild. Comparable shoreline access on the eastside of the causeway will allow adequate fishing access to that portion of the river. No additional facilities are being proposed in this project.

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	No		
DEP	Yes		
ACOE	Yes		
COUNTY / CITY	No		



**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Causeway Park Fishing Pier Repair and Improvements
<b>Applicant:</b>	City of Port Orange

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**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of one type based upon the predominant cost of the project elements.)

This project is Priority 11 – Public fishing and viewing piers

- b) Explain how the project fits this priority category.**

The two piers offer close and convenient access from the parking area and provide adequate space to fish from either side of the structures to take advantage of the currents as affected by wind direction. There is ample room for tackle and catch storage. The piers also offer unfettered view of the Halifax River for observing a variety of shore birds and other aquatic wildlife. The park provides boat launches, restrooms and picnic pavilions.

*(For reviewer only)*

Max. Available Score for application 45

*Question 1. Range of Score (1 to 3 points)*

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## 2) WATERWAY RELATIONSHIP:

- a) **Explain how the project relates to the ICW and the mission of the Navigation District.**

These fishing piers offer free public deep water access within two hundred yards of the Halifax River (ICW) offering a rich variety of game fish including trout, flounder, sheepshead, tarpon, snook, black drum, mangrove snapper and red drum.

- b) **What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

These piers have historically been widely used for fishing and boating since opening in the early 1990's. It is one of two City of Port Orange parks offering direct access to the ICW. Since the damage resulting from Hurricane Matthew and subsequent closing of these piers for safety reasons, fishing access has been greatly limited. Reopening of these piers will provide a much need recreational fishing location on the ICW.

*(For reviewer only)*  
*(1-6 points)*

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## 3) PUBLIC USAGE & BENEFITS:

- a) **How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

Usage of this open access park is typically measured by site observations by City of Port Orange Parks and Recreation staff while maintaining the facility. It is estimated that between 30,000–35,000 people use the piers on an annual basis. The number may well be significantly higher as the piers are popular for night fishing when there is no regular on-site observation.

- b) **Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

These piers are very popular by residents of southeast Volusia county as well as other areas due to the park's central location and convenient access from I95 and I4. No fees are charged to use the parks and residents from the surrounding counties of Brevard and Flagler frequently use the park due to its reputation as a productive fishing spot.

- c) **Are there any restrictions placed on commercial access or use of this site?**

No specific restrictions are placed on usage of the facility for commercial access but all users are expected to adhere to all city, county, state and Federal laws pertaining to the conduct of their business. Large commercial vehicles which exceed the vehicle and trailer parking space limitations will not be allowed in the park.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Preliminary design and permitting of the proposed project is underway and effort is consistent with the project timeline. An engineering firm has been selected and will furnish all required permits before the District's September 2017 deadline.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

Currently there are no aspects of the project which are expected to influence the proposed timeline.

*(For reviewer only)*

*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

Match funds from the City's Parks and Recreation Capital Improvement budget have been identified for use on this project. Additionally, the City does plan to seek disaster recovery funds from FEMA under FEMA Hurricane Matthew Disaster Declaration #4283, dated October 19, 2016 for repairs to this park but it is anticipated that funds, if awarded for this purpose, will not be available in the near term. In an effort to get all park facilities available to the public again sooner, the City is seeking funding from FIND, with the commitment that if FEMA funds are made available, the City of Port Orange will return any monies granted under this application to FIND.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

As this is primarily a repair and renovation project, it is not anticipated that site conditions will affect anticipated project costs in any substantial way.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

Effort will be made to reuse any and all existing material that meets proposed engineering standards and code requirements. It is expected that some pilings may be suitable for re-use.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no plans to implement a fee schedule for use of these piers. There is the private Sunglow Fishing pier on the Atlantic approximately one half mile away that charges a daily fee of \$7/adult and \$3/child to fish. Eight miles to the north, in the city of Daytona Beach there are two fishing piers on the ICW and several others on the Atlantic, none of which charge a fee.

*For reviewer only) (1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?**

Public access to the ICW (Halifax River) is identified as a strategic component of Volusia County's Comprehensive Management Plan, Chapter 11 Coastal Management Element, Section 7.0 Public Access. The City of Port Orange's Causeway Park is centrally located along the Halifax River in Volusia County. It is widely recognized as strategic asset for the City of Port Orange and important to the citizens of most of east Volusia County for recreational purposes. Its proximity to Ponce Inlet and Spruce Creek lagoon make it a popular spot for boating and site fishing as well.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Port Orange is committed to reopening and keeping the site open for recreational usage on a permanent basis. Funds are designated in the City's Parks and Recreation Capital Improvement Plan Budget to repair this facility and maintenance funds are allocated annually. Port Orange's Mission Statement and Comprehensive Plan support quality recreational opportunities for its citizens.

- c) **Will the program result in significant and lasting benefits? Explain.**

Recreational fishing is an important contribution to the local area's economy. It benefits the tourism industry as well as local merchants that provide goods and services associated with the sport, to include fishing equipment, bait and tackle and food and beverage sales.

- d) **Please describe any environmental benefits associated with this project.**

Recreational fishing is mostly environmentally neutral if all rules and regulations are properly followed. There can be some benefit to species management, particularly if it results in reduction of invasive species

*(For reviewer only)*  
*(1-7 points)*

SUB-TOTAL \_\_\_\_\_

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.**

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

Project design and permitting work for this project are currently underway. Port Orange anticipates no issues in securing all permit approval prior to the September 2017 deadline.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

This is a single phase renovation project. The first task to obtain the necessary permits and design has been completed with the selection of DMC Dredging and Marine Consulting to perform the initial design, engineering, surveying, permitting, bid specification development and project management. A purchase order was issued to DMC covering this scope of work on February 28, 2017. The total budget for this project is estimated to be \$500,000.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

No known impediments to the issuance of required permits have been identified at this time.

*(For reviewer only)  
(1-4 points)*



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**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Preliminary design work has been conducted by DMC Dredging and Marine Consultants and final design is expected to be completed by July 2017. Damage assessment of the wooden dock and pilings was completed on 2016.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

As this is a repair and renovation project, there are no unique aspects to this project other than to restore much needed access to an important community recreational asset.

*(For reviewer only)*  
*(1-2 points)*

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**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

Damaged walkway timbers, railing timbers and pilings (as needed) will be replaced with marine grade wood appropriately treated and joined with marine grade metal fasteners appropriate for the harsh brackish water of the Halifax River.

- b) **How are the utilized construction techniques appropriate for the project site?**

The construction method proposed is the same method used in the City's newly constructed Riverwalk Boardwalk which is considered currently the industry standard.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

In developing the final design, all material options will be considered including recycled plastics. If a cost benefit can be realized due to increased long term product life, these factors will be considered in determining the final design.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

As currently designed, the piers will be repaired with marine grade treated wood with marine approved metal fasteners. The life expectancy of these materials is 25 to 30 years.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

Unless further review of the use of recycled plastic can be cost justified, the City does not anticipate any material impact which might significantly impact the proposed budget.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT**  
**TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A  
Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)

**ATTACHMENT E-4F  
EMERGENCY RE-CONSTRUCTION**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED ONLY IF YOUR PROJECT IS A WATERWAY PROJECT THAT WAS DAMAGED BY A NATURAL DISASTER AS DECLARED BY A STATE OF EMERGENCY UNDER CHAPTER 252, FLORIDA STATUTES.

**11 (Extra) STORM DAMAGE EVALUATION:**

- a) List the State emergency declaration order or proclamation.**

FEMA #4283 Hurricane Matthew dated October 19, 2016

- b) Is this project previously funded FIND grant project?**

Yes, Causeway Park was developed initially in 1991 with funds from FIND and received additional funds in 1995, 1996 and 2007 for expansion and enhancements.

- c) Detail the other funding mechanisms and financial assistance that will be applied to defray the reconstruction costs or damage repair.**

The City does plan to seek disaster recovery funds from FEMA for repairs to this park but it is anticipated that funds, if awarded for this purpose, will not be available in the near term. In an effort to get the piers available to the public again sooner, the City is seeking funding from FIND, with the commitment that if FEMA funds are made available, the City of Port Orange will return any monies granted under this application to FIND.

*(For reviewer only)  
(0-3 points)*

## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	Causeway Park Fishing Pier Repair and Improvements
<b>Applicant:</b>	City of Port Orange

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Initial mobilization and site prep	\$40,000	\$20,000	\$20,000
Survey and As-built survey	\$7,500	\$3,750	\$3,750
T- Pier demolition	\$15,000	\$7,500	\$7,500
T- Pier New Pilings	\$11,200	\$5,600	\$5,600
Repair of existing T-pier structure	\$87,300	\$43,650	\$43,650
West Pier demolition	\$25,000	\$12,500	\$12,500
West Pier New Timbers & pilings	\$274,000	\$137,000	\$137,000
West Pier lighting	\$22,000	\$11,000	\$11,000
East Pier demolition	\$18,000	\$9,000	\$9,000

<b>**TOTALS =</b>	<b>\$ 500,000</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	<b>Causeway Park Fishing Pier Repair and Improvements</b>	
<b>Applicant:</b>	<b>City of Port Orange</b>	

**City of Port Orange**

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

September 2017

Submit final permits to Florid Inland Navigation District

October 2017

Receive notice of grant award

Execute project agreements

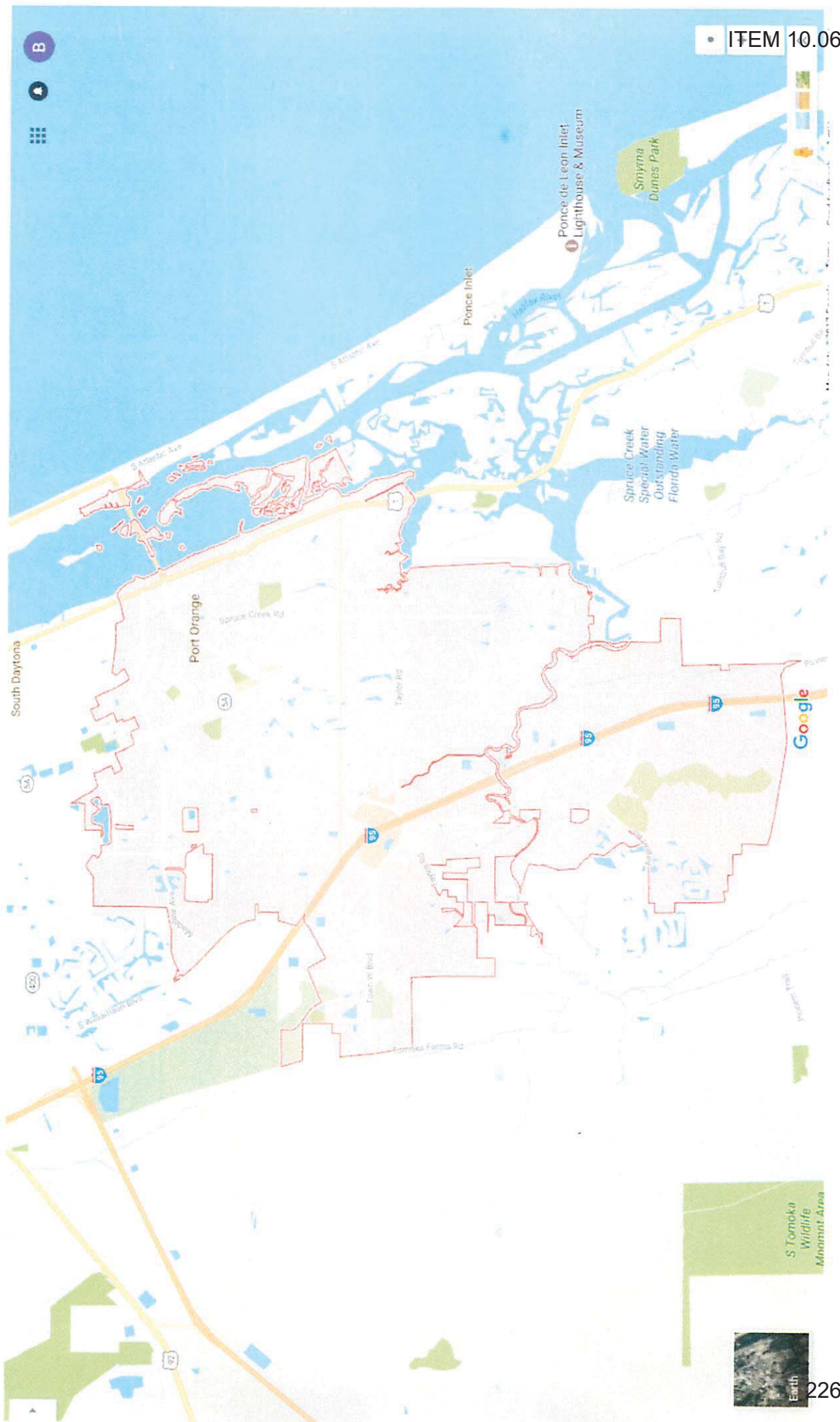
January 2018

Begin construction

July 2018

Close out project

FIND Form 96-10 (effective date 04-15-07)



S Tomoka  
Wildlife  
Management Area





Halifax River

Proposed Dock / PIER Boundary

Dunlawton Ave.

Causeway Park

ITEM 10.06

Google Earth

Imagery Date: 11/18/2016 29°08'45.59" N 80°58'46.82" W elev 4 ft eye alt 4488 ft

1995



**Port Orange Causeway Park  
West Side Fishing Pier Under Dunlawton Bridge  
Damage from Hurricane Matthew – October 2016**

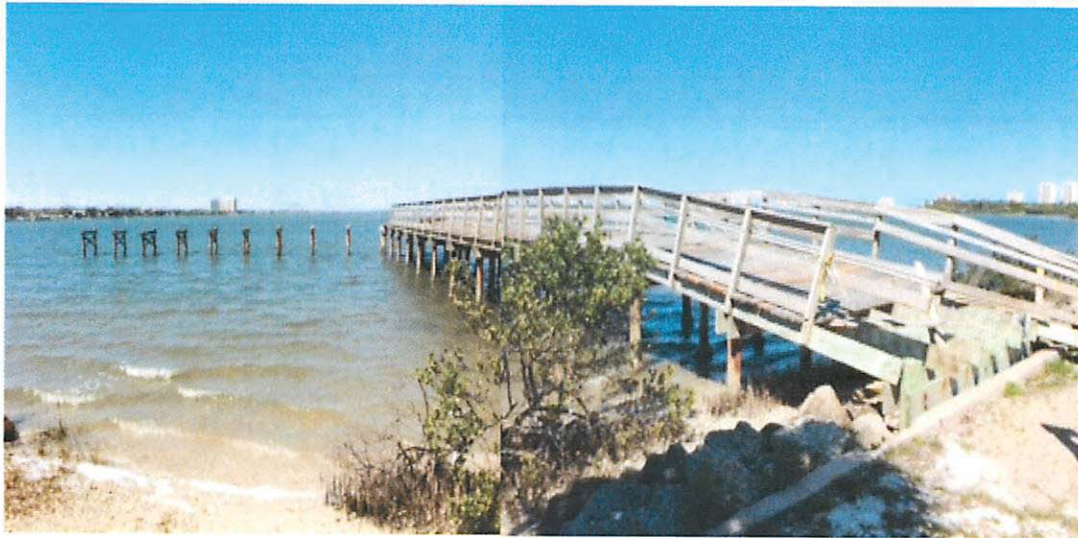


**Port Orange Causeway Park  
West Side Fishing Pier Under Dunlawton Bridge  
Damage from Hurricane Matthew – October 2016**





**Port Orange Causeway Park  
T-Pier West Side  
Damage from Hurricane Matthew – October 2016**





## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>Applicant:</b> City of Port Orange			
<b>Department:</b> City Manager's Office			
<b>Project Title:</b> Causeway Park Northwest Boat Dock Repair and Replacement			
<b>Project Director:</b> Susan Lovallo		<b>Title:</b>	Parks & Recreation Director
<b>Project Liaison:</b> <i>(if different from Project)</i>	Theresa Brooks	<b>Title:</b>	Grants Manager
<b>Mailing Address:</b>	1000 City Center Circle		
<b>City:</b> Port Orange	<b>Zip</b>	32129	
<b>Email Address:</b> tbrooks@port-orange.org	<b>Phone #:</b>	386-717-9050	
<b>Project Address:</b>	93 Dunlawton Avenue, Port Orange		

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

SIGNATURE: Theresa Brooks DATE: 3/30/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of Port Orange desires to replace the existing northwest fixed boat launch ramp at Causeway Park, 93 Dunlawton Avenue, Port Orange, Florida, with a floating concrete dock arrangement which will match the corresponding dock on the southwest side of the park. This dock was damaged by Hurricane Matthew in October 2016.

Boat docking facilities at this park have been closed to the public for safety reasons since the hurricane, resulting in a significant reduction of adequate launching and docking facilities on this part of the ICW. Due to the close proximity to Ponce Inlet and Spruce Creek Lagoon, this area is one of the most popular areas on the Halifax River for recreational boating and fishing. The City considers reopening this facility for recreational boating and fishing to be a high priority in accordance with the goals and objectives of the Parks and Recreation's Mission Statement.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>		<b>Project Title:</b>	
<b>Total Project Cost: \$400,000</b>	<b>FIND Funding Requested: \$200,000</b>	<b>% of Total Cost: 50%</b>	
<b>Amount and Source of Applicant's Matching Funds:</b> Matching funds of \$200,000 will be provided by budgeted funds from the Parks & Recreation Department's Capital Project Fund 315			

**1. Ownership of Project Site (check one):** Own: ☐ Leased: ☒ Other:

**2. If leased or other, please describe lease or terms and conditions:**

The property is a part of the Dunlawton Avenue Right-of-way (under Dunlawton Bridge - State Road 421) extending from Halifax Drive east to and within the Halifax River and the Intracoastal Waterway. It is under a 20 year lease agreement, dated August 17, 1993, from the Florida Department of Transportation, renewable for an additional ten (10) years at Lessee's option. This lease was renewed for ten (10) years on October 28, 2013.

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:** The City first received funding from FIND for the development of Causeway Park in 1991 and received assistance for expansion and enhancements in 1995, 1996 and 2007.

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):** The park currently has 4 boat ramps, 3 fishing piers and 4,000 linear feet of boardwalk. Parking space for 40 vehicles w/trailers and 20 regular spaces are available

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?** This project consists of replacement of a fixed wooden dock that was damaged during Hurricane Mathew in October 2016, rendering it unsafe for use. The replacement dock will be of a floating concrete design which will withstand storm surge and extreme high tides better than the fixed design. No additional features will be added.

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	No		
DEP	Yes		
ACOE	Yes		
COUNTY / CITY	No		



**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Causeway Park Northwest Boat Dock Repair and Replacement
<b>Applicant:</b>	City of Port Orange

**1) PRIORITY LIST:**

- a) **Denote the priority list category of this project from Attachment C in the application.** (The application may only be of one type based upon the predominant cost of the project elements.)

This project is Priority 8 – Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities

- b) **Explain how the project fits this priority category.**

The docks and associated launch ramps provide a convenient and centrally located facility for fishing and boating on a very popular area of the ICW. Proximity to Ponce Inlet and Spruce Creek Lagoon offers boaters a variety of fishing options. The park provides fishing piers, restrooms and picnic pavilions.

*(For reviewer only)*

Max. Available Score for application 47

Question 1. Range of Score <sup>1-5 points</sup>  
(1 to 5 points)



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**2) WATERWAY RELATIONSHIP:**

- a) **Explain how the project relates to the ICW and the mission of the Navigation District.**

These docks and associated launch ramps offer free public deep water access within two hundred yards of the Halifax River (ICW) offering a rich variety of game fish including trout, flounder, sheepshead, tarpon, snook, black drum, mangrove snapper and red drum.

- b) **What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

This park has been widely used for fishing and boating since opening in the early 1990's. It is one of two City of Port Orange parks offering direct access to the ICW. Since the damage resulting from Hurricane Matthew and subsequent closing of this dock for safety reasons, fishing access has been greatly limited. Reopening of this dock will provide a much needed recreational fishing location on the ICW.

*(For reviewer only)*  
*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:**

- a) **How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

Usage of this open access park is typically measured by site observations by City of Port Orange Parks and Recreation staff while maintaining the facility. It is conservatively estimated that the launch ramps and docks are used by approximately 5,500 boats on an annual basis

- b) **Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

These launch and dock facilities are very popular by residents of southeast Volusia county as well as other areas due to the park's central location and convenient access from I95 and I4. No fees are charged to use the parks and residents from the surrounding counties of Brevard and Flagler frequently use the park due to its reputation as a productive fishing spot.

- c) **Are there any restrictions placed on commercial access or use of this site?**

No specific restrictions are placed on usage of the facility for commercial access but all users are expected to adhere to all city, county, state and Federal laws pertaining to the conduct of their business. Large commercial vehicles which exceed the vehicle and trailer parking space limitations will not be allowed in the park.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Preliminary design and engineering will begin soon and permitting of the proposed project will be completed before the District's September 2017 deadline. An engineering firm has been selected for this project

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

Currently there are no aspects of the project which are expected to influence the proposed timeline.

*(For reviewer only)*

*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

Match funds from the City's Parks and Recreation Capital Improvement budget have been identified for use on this project. Additionally, the City does plan to seek disaster recovery funds from FEMA under FEMA Hurricane Matthew Disaster Declaration #4283, dated October 19, 2016 for repairs to this park but it is anticipated that funds, if awarded for this purpose, will not be available in the near term. In an effort to get all park facilities available to the public again sooner, the City is seeking funding from FIND, with the commitment that if FEMA funds are made available, the City of Port Orange will return any monies granted under this application to FIND.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

As this is primarily a repair and renovation project, it is not anticipated that site conditions will affect anticipated project costs in any substantial way.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

Effort will be made to reuse any and all existing material that meets proposed engineering standards and code requirements.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no plans to implement a fee schedule for use of this facility. There are eight boat launch facilities along the ICW north of Ponce Inlet. There are no fees charged for their use with the exception of Tomoka State Park which charges an admission fee of \$5.00 per vehicle for entrance to the park. No additional fee is charged to use the boat launch

*(For reviewer only)*

*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?**

Public access to the ICW (Halifax River) is identified as a strategic component of Volusia County's Comprehensive Management Plan, Chapter 11 Coastal Management Element, Section 7.0 Public Access. The City of Port Orange's Causeway Park is centrally located along the Halifax River in Volusia County. It is widely recognized as a strategic asset for the City of Port Orange and important to the citizens of most of east Volusia County for recreational purposes. Its proximity to Ponce Inlet and Spruce Creek lagoon make it a popular spot for boating and site fishing as well.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Port Orange is committed to reopening and keeping the site open for recreational usage on a permanent basis. Funds are designated in the City's Parks and Recreation Capital Improvement Plan Budget to repair this facility and maintenance funds are allocated annually. Port Orange's Mission Statement and Comprehensive Plan support quality recreational opportunities for its citizens.

- c) **Will the program result in significant and lasting benefits? Explain.**

Recreational fishing is an important contribution to the local area's economy. It benefits the tourism industry as well as local merchants that provide goods and services associated with the sport, to include fishing equipment, bait and tackle and food and beverage sales.

- d) **Please describe any environmental benefits associated with this project.**

Recreational fishing is mostly environmentally neutral if all rules and regulations are properly followed. There can be some benefit to species management, particularly if it results in reduction of invasive species

*(For reviewer only)*  
*(1-7 points)*

SUB-TOTAL \_\_\_\_\_



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.**

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

Project design and engineering will begin soon. Permitting work will be done on completion of design and engineering specifications. Port Orange anticipates no issues in securing all permit approval prior to the September 2017 deadline.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

This is a single phase renovation project. DMC Dredging and Marine Consulting will perform the initial design, engineering, surveying, permitting, bid specification development and project management. The total budget for this project is estimated to be \$400,000.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

No known impediments to the issuance of required permits have been identified at this time.

*(For reviewer only)  
(1-4 points)*

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**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Design is expected to be completed by July 2017. Damage assessment of the wooden dock and pilings was completed on 2016.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

As this is a repair and renovation project, there are no unique aspects to this project other than to restore much needed access to an important community recreational asset.

*(For reviewer only)*

*(1-2 points)*

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**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

A concrete floating dock will replace the current moored wooden dock. Existing mooring pilings will be utilized whenever possible if they are deemed safe attached to the dock with marine grade metal fasteners appropriate for the harsh brackish water of the Halifax River. The actual floating concrete dock provides minimal impact to the water and has a life expectancy of 30 years.

- b) **How are the utilized construction techniques appropriate for the project site?**

The construction method proposed is the same method used in the southeast side dock which is currently considered the industry standard.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

In developing the final design, all material options will be considered including recycled plastics. If a cost benefit can be realized due to increased long term product life, these factors will be considered in determining the final design.

*(For reviewer only)*

*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

As currently planned, any mooring pilings requiring replacement will be replaced with marine grade treated wood with marine approved metal fasteners. The life expectancy of these materials is 25 to 30 years.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

Unless further review of the use of recycled plastic can be cost justified, the City does not anticipate any material impact which might significantly impact the proposed budget.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A  
Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)



**ATTACHMENT E-4F  
EMERGENCY RE-CONSTRUCTION**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED ONLY IF YOUR PROJECT IS A WATERWAY PROJECT THAT WAS DAMAGED BY A NATURAL DISASTER AS DECLARED BY A STATE OF EMERGENCY UNDER CHAPTER 252, FLORIDA STATUTES.

**11 (Extra) STORM DAMAGE EVALUATION:**

- a) List the State emergency declaration order or proclamation.**

FEMA #4283 Hurricane Matthew dated October 19, 2016

- b) Is this project previously funded FIND grant project?**

Yes, Causeway Park was developed initially in 1191 with funds from FIND and received additional funds in 1995, 1996 and 2007 for expansion and enhancements.

- c) Detail the other funding mechanisms and financial assistance that will be applied to defray the reconstruction costs or damage repair.**

The City does plan to seek disaster recovery funds from FEMA for repairs to this park but it is anticipated that funds, if awarded for this purpose, will not be available in the near term. In an effort to get the piers available to the public again sooner, the City is seeking funding from FIND, with the commitment that if FEMA funds are made available, the City of Port Orange will return any monies granted under this application to FIND.

*(For reviewer only)  
(0-3 points)*

**ATTACHMENT E-5**

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

## PROJECT COST ESTIMATE

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

<b>Project Title:</b>	Causeway Park Northwest Boat Dock Repair and Replacement
<b>Applicant:</b>	City of Port Orange

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Initial mobilization and site prep	\$40,000	\$20,000	\$20,000
Survey and As-built survey	\$7,500	\$3,750	\$3,750
Dock Demolition	\$15,000	\$7,500	\$7,500
Dock Replacement w/pilings	\$337,500	\$168,750	\$168,750

<b>**TOTALS =</b>	<b>\$ 400,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	<b>Causeway Park Bock Dock Repair &amp; Replacement</b>	
<b>Applicant:</b>	<b>City of Port Orange</b>	

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

April 2017

Issue purchase order to DMC Marine Consulting

June 2017

Complete design and engineering specification

September 2017

Submit final permits to Florida Inland Navigation District

October 2017

Receive notice of grant award

Execute project agreements

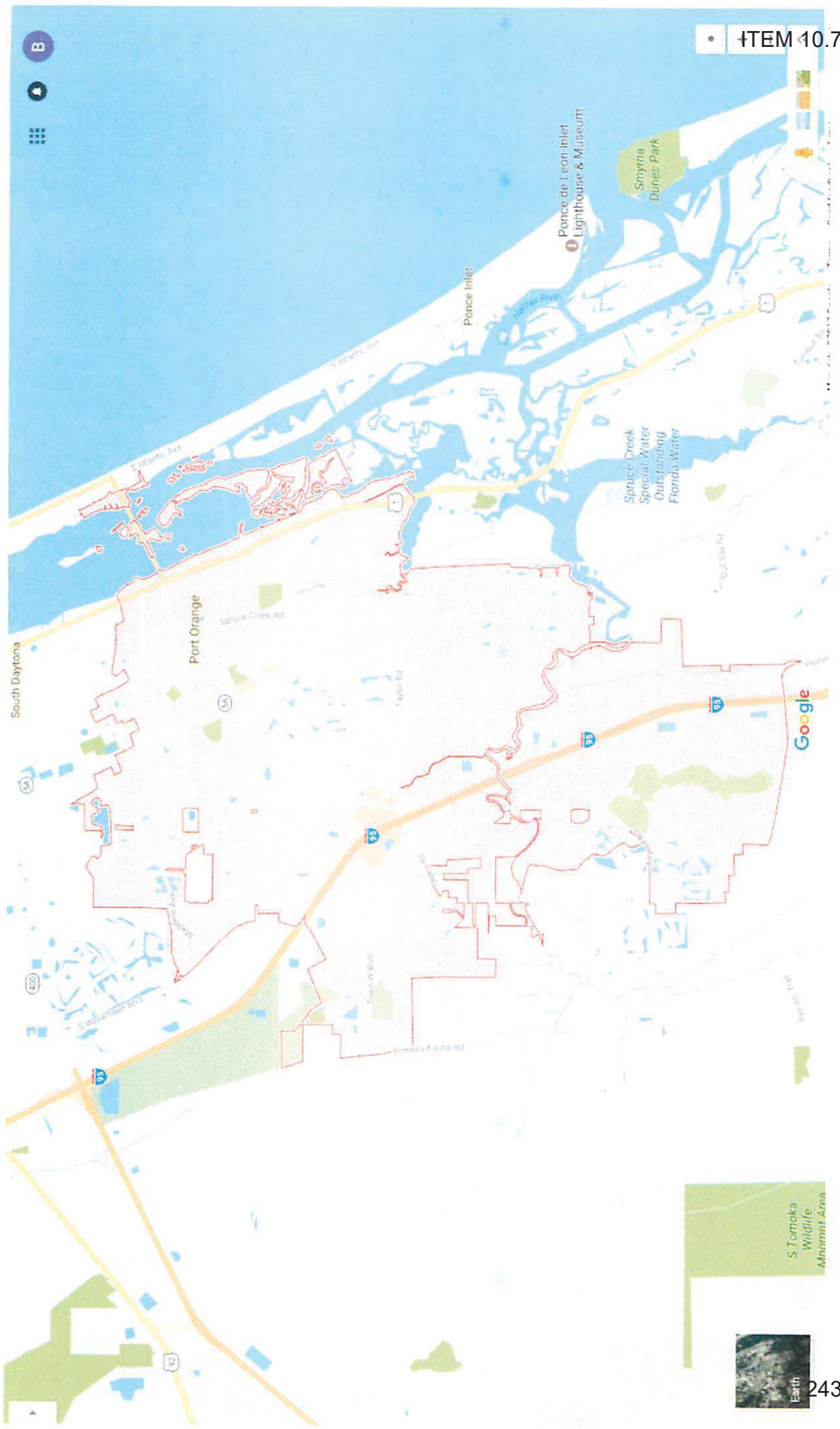
January 2018

Begin construction

July 2018

Close out project







Halifax River

Proposed Dock / PIER Boundary

Dunlawton Ave.

Causeway Park

ITEM 107

Google Earth

Imagery Date: 11/18/2016 29°08'45.59" N 80°58'46.82" W elev 4 ft eye alt 4488 ft

1995



Port Orange Causeway Park  
Northwest Boat Dock  
Damage from Hurricane Matthew – October 2016





## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b> County of Volusia - Parks, Recreation & Culture			
<b>Department:</b> Parks, Recreation & Culture			
<b>Project Title:</b> Lemon Bluff Park			
<b>Project Director:</b> Timothy Baylie		<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project)</i> Terri Bergeron		<b>Title:</b>	Administrative Coordinator II
<b>Mailing Address:</b>		202 North Florida Avenue	
<b>City:</b> DeLand		<b>Zip Code:</b>	32720
<b>Email Address:</b> <a href="mailto:tbergeron@volusia.org">tbergeron@volusia.org</a>		<b>Phone #:</b>	386-736-5953
<b>Project Address:</b>		949 Lemon Bluff Road, Osteen FL 32764	

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

SIGNATURE:  DATE: 2-27-17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The Lemon Bluff boat ramp, located on the St. Johns River in Southwest Volusia, is a popular site for fishing and boating. The size and configuration of the boat ramp is not conducive to public needs and parking is limited to only six spaces for vehicles and boat trailers. The Lemon Bluff Park project will enhance the existing area by creating a family-friendly park with pavilions, restrooms, sidewalks, fishing area, seawall and dockage, additional parking, and a canoe/kayak launch. It will also provide residents and visitors a beautiful park they can use to enjoy the outdoors on the shores of the St. Johns River. These essential amenities will better serve the boaters and fishermen who use the boat ramp to load and unload gear and passengers, freeing up congestion at the boat ramp, and provide increased availability for additional users and a more pleasant boating experience. By providing convenient access to the St. Johns River and adding amenities such as restrooms and pavilions it is expected to significantly increase the number of visitors. With no area restrooms, visitors must drive several miles to other locations, a tremendous and time consuming inconvenience. The restroom design is ADA accessible and constructed to minimize ongoing maintenance costs and utility expenses. The pavilions will offer a one-of-a-kind location on the banks of the magnificent St. Johns River. The park will be open, free of charge, 365 days per year.

The Lemon Bluff Park project will enhance the quality of life for residents and visitors to the community by providing much needed access to the waterway. The project will become an asset to Volusia County's outstanding parks and recreation system that attracts 450,000 annual visitors who know firsthand that Volusia County is an outstanding place to have fun and spend time outdoors.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant: County of Volusia PRC</b>		<b>Project Title: Lemon Bluff Park</b>
<b>Total Project Cost: \$950,000</b>	<b>FIND Funding Requested: \$225,000</b>	<b>% of Total Cost: 23%</b>
<b>Amount and Source of Applicant's Matching Funds: \$725,000</b> <b>Florida Inland Navigation District Waterways Assistance Program</b>	Florida Boating Improvement Fund	

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☐ No: ☒

**4. If yes, please list:**

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

Lemon Bluff currently has one boat ramp, parking at the boat ramp is limited to only six spaces for boat trailers and one handicapped spot. On weekends and holidays, these parking spaces have historically filled very quickly, leading users to park their vehicles and boat trailers along the right of way, sometimes blocking the driveways and mailboxes of the adjacent homes. Currently, when the boat spaces are filled at the launch area, boaters must launch their boat and drive their trailer 200 feet to the south to park their vehicle in the outer flow grass parking area, then walk back to the boat launch to access their boat and begin their trip.

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

The Lemon Bluff Park project will create a family-friendly park with two pavilions, restrooms, sidewalks, a fishing area, seawall and dockage, additional parking, and a canoe/kayak launch. These additions are located directly across from the overflow grass boat trailer parking area. The new amenities will better serve the boaters and fishermen who use the boat ramp and provide residents and visitors with a beautiful park they can use to enjoy the outdoors on the shores of the St. Johns River.

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	N/A		
DEP	Yes		
ACOE	Yes		
COUNTY / CITY	N/A		



**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Lemon Bluff Park
<b>Applicant:</b>	County of Volusia - Parks, Recreation & Culture

**1) PRIORITY LIST:**

- a) **Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

~~#12 Public waterfront parks and boardwalks and associated improvements.~~  
#7 Development of Public Boat Ramp

- b) **Explain how the project fits this priority category.**

This public park will be developed on the waterfront with boater access. Park amenities include two pavilions, restrooms, sidewalks, fishing area, seawall and dockage, additional parking, and a canoe/kayak launch.

*(For reviewer only)*

Max. Available Score for application    47

Question 1. Range of Score    (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:****a) Explain how the project relates to the ICW and the mission of the Navigation District.**

This project provides public access to the St. Johns River which is part of the ICW and a significant Volusia County asset. In 1998, the St. Johns River was named one of 14 American Heritage Rivers, a designation that identifies the river as historically, economically, and culturally important and gives federal recognition and support to efforts to protect its environment and local heritage. The District, as local sponsor of the Atlantic Intracoastal Waterway project in Florida, assists governmental agencies with the development of waterway access.

**b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

Lemon Bluff Park provides public access to the St. Johns River, stretching 310 miles and winding through or bordering 12 Florida counties, including three of the state's largest. Approximately 3,500 lakes lie within the overall St. Johns watershed and more than 3.5 million people live within the various watersheds that feed into the river. The St. Johns River is one of the few rivers that flows north, with a habitat that varies from marsh in Indian River County to broad waterways in northeast Florida.

Lemon Bluff Park will provide much needed public access for area residents and visitors that currently have limited access to the St. Johns River. A point of reference being Seminole County Mullet Lake Park located in Geneva, the closest area boat launch. On the numerous days when Lemon Bluff boat launch is full, boaters travel 13.9 miles to Mullet Lake Park to access the St. Johns River. A preventable solution to this additional twenty minute trip, with boat in tow to the closest boat launch, would be to fill the need for public access to this beautiful river.

Upon its completion, beneficial additional public access will be provided via the boat launch and improved parking, fishing area, seawall, canoe/kayak launch, restrooms and access to pavilions. A navigational benefit is the increased availability for waterway usage, consistent and in conjunction with the Navigation District's function to maintain the ICW and adjoining waterways.

*(For reviewer only)*  
*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:****a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

Parking at the boat ramp is limited to only six spaces for boat trailers and one handicapped spot. On weekends and holidays, these parking spaces have historically filled very quickly, leading users to park their vehicles and boat trailers along the right of way, sometimes blocking the driveways and mailboxes of the adjacent homes. Homeowners complained and in some cases, law enforcement became involved. In response to these issues, the Volusia County Council in 2013 approved the acquisition of the Lemon Bluff Fish Camp through a direct expenditure of



Volusia ECHO funds. The fish camp property is approximately 200 feet south of the existing boat ramp. Grass parking and bumper stops have been added, and the site has been cleaned and trimmed. However, the seawall, dock and existing structures have remained in poor condition, with fencing added along the seawall to keep the public away from this unsafe area. Interviews with boaters have resulted in information on the high level of alligators available for catch during the season, and fisherman have relayed the availability of fish in the area. This project will provide increased public access to the St. Johns River in an area that has been identified and quantified by staff, boaters, fishermen and the neighborhood that has reached beyond the public usage.

**b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The St. Johns River is accessed by thousands of citizens and visitors of Volusia County daily. It is expected that this park will be used by numerous people on a daily basis for boat launches, picnics, fishing, and nature walks. This park will create a passive recreational facility that improves access to the St. Johns River with added dockage that will enhance the boating experience by decreasing congestion at the existing boat ramp.

Recreational services are an important attribute when businesses and families are looking to relocate. This is supported by numerous studies performed by real estate entities across the country. Volusia County is gifted with many beautiful natural resources from the Atlantic Ocean on the east and the St. Johns River on the west and with untouched green spaces within its central region. Trails and parking areas are available to access the natural areas in Volusia County's central region. However, there is limited access to the St. Johns River in the southwest area. The City of Deltona, Volusia County's most populous city of 88,474, is located a short 3.8 miles from Lemon Bluff Park. Also, park amenities directly on the St. Johns River are rare. This project will relieve congestion at the Lemon Bluff boat ramp and provide a much improved user experience. An ADA restroom will be constructed and thus negate the need for users to travel many miles to the nearest facility. A designated canoe/kayak launch will provide users easy access to this pristine area of the St. Johns. Large pavilions will give residents and visitors a place to congregate on this beautiful St. Johns vista. Picnic areas will be available to further improve this outdoor recreational experience and increase the quality of life to Volusia County's residents and visitors.

Development of this facility will fill a significant unmet need. It will not only benefit Volusia County residents and visitors, but will also have a significant regional economic impact. With the addition of these accessible amenities it is anticipated that an increase in users from other counties will frequent this facility.

**c) Are there any restrictions placed on commercial access or use of this site?**

The current boat ramp restricts access of commercial vessels due to its limited size. The new boat ramp is designed to provide access to the St. Johns River by an increased variety of boats, both large and small, private and commercial. The boat ramp will be available for recreation and commercial use.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The conceptual drawings are complete and the design is under contract. County staff will hold a meeting for public input on the project design. The design will be finalized by August 2017, staff will obtain all associated local and state permits, and select a contractor through the County's bid process by October 2017. Construction will begin by December 2017, with an expected completion date of September 2018.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

New construction projects often have the potential to deviate from the time-line due to unforeseen factors such as material availability, weather conditions, and permitting processes. We do not anticipate any issues once the project is underway. We have taken steps during the design phase to alleviate any potential deviations by using proven construction methods and materials, and will use this method during the bid process in selecting the appropriate vendor for the project. The County of Volusia Construction Engineering Project Manager and Parks, Recreation and Culture Director will work in conjunction throughout the entire construction phase. The Engineer will be given advanced notice of the critical stages of construction such as completion of construction stakeout, initial sheet piling installation, concrete forming and rebar placement prior to casting concrete, and the first section of concrete casting and finishing.

*(For reviewer only)*  
*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

Matching dollars are funded from revenues associated with the Florida Boating Improvement Program (FBIP). Volusia County receives a portion of each boat registration fee purchased by a county resident. These funds are used for improving boating in the County they are collected.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

Standard marine construction materials will be used. Materials will be selected that have an increased useful life and low on-going maintenance costs. For example, fiberglass restroom doors with high grade stainless will be used. This will extend the doors useful life and decrease annual maintenance expenses. Hand dryers will be used to decrease plumbing related expenses related to paper towels. Metal roofing material will be used to extend the life of the roof on the restrooms and picnic pavilion. Pressure treated lumber and stainless steel screws will be used along the dock.



**c) Describe any methods to be utilized to increase the cost efficiency of this project.**

County of Volusia Engineering Project Manager and Parks, Recreation and Culture Director and staff will oversee the project with continuous monitoring to minimize potential problems or change orders. Pre-qualified consultants familiar with Volusia County projects will be retained. Restroom and pavilion design has been used at other Volusia County facilities and will minimize costs at this location. County staff will be utilized to obtain permits, thereby reducing contractor costs.

Construction of this park will be done in a way to minimize the environmental impact on the area. Where possible green products will be utilized. We will be using marine grade pressure treated lumber for construction and all hardware will be grade #316 stainless steel, which is suitable for marine application.

**d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

No fees are associated with the use of this facility. The park will be open the public to be used for their enjoyment at no cost. There are no other comparable access points in Volusia County.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

The project fills the need for increased water access for boaters. Volusia County has many beautiful natural resources along the St. Johns River, however, there is limited access in the southwest region. The Lemon Bluff boat ramp is located on the St. Johns River in Osteen. It is a very popular site for fishing and boating. However, this site is limited in parking with only six trailered spaces and one handicap space are available at the ramp. Historically, on weekends and holidays boaters park along the right-of-way, and in some cases in front of adjacent homeowner's driveways and mailboxes. In response to the limited parking options, in 2013 Volusia County Council approved the acquisition of the Lemon Bluff Fish Camp. The acquired lands are approximately 200 feet south of the existing Lemon Bluff boat ramp.

The Lemon Bluff project will create a family-friendly park with pavilions, restrooms, sidewalks, a fishing area, seawall and dockage, parking and a canoe/kayak launch. These new amenities will be used to service users of the Lemon Bluff boat ramp, as well as, add a beautiful community park where citizens can enjoy the outdoors on the shores of the St. Johns River. It is expected that when the park is developed, many additional visitors will frequent this facility increasing the need for restrooms. Restroom facilities are not in close proximity and boat ramp users must travel miles to the closest location. The addition of restroom facilities associated with this project will alleviate this issue. The restroom will be ADA accessible and will be constructed to minimize on-going maintenance costs and utility expenses.

The new dockage will also allow boaters to load and unload gear and passengers and free up congestion at the boat ramp. Currently, when the boat spaces are filled at the launch area, boaters must launch their boat and drive their trailer 200 feet to the south to park their vehicle, then walk back to the boat launch to access their boat and begin their trip. This tends to impact other boater's ability to launch and can result in unruly behavior. The congestion will be alleviated with the new dock and ramp resulting in an area for additional users to launch their boat without delay. This will result in a more pleasant boating experience.

This project directly meets the goals set by Volusia County Council Resolution 2000-156 in that it increases the quality of life of Volusia county residents. The project is included in the County Council's Dynamic Master Plan. The development of this park will afford residents and visitors convenient access and a beautiful vista of the St. Johns River. This will allow users to launch a canoe/kayak and access a quiet area of the St. Johns River. It is anticipated that the pavilion areas will become a welcome location for activities ranging from a quiet resting place to celebratory events. In addition, the Lemon Bluff Park project would be an asset to Volusia County's outstanding parks and recreation system that last year attracted almost 450,000 visitors. These activities make Volusia County a great place to have fun and spend time outdoors.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

Daily maintenance will extend the life of the park's amenities. Any replacement needs will be part of the park's capital improvement program. Materials will be selected that have an increased useful life and low on-going maintenance costs. For example fiberglass restroom

doors with high grade stainless will be used. This will extend the doors useful life and decrease annual maintenance expenses. Hand dryers will be used to decrease plumbing related expenses related to paper towels. Metal roofing material will be used to extend the life of the roof on the restrooms and picnic pavilion. Pressure treated lumber and stainless steel screws will be used along the dock. Maintenance programming for capital improvement will use the following schedule: restroom building - 40 years, pavilions and medal roof - 25-30 years, wooden promenade - 10-15 years, concrete surfaces and parking - 20-25 years.

All on-going maintenance expenses will be funded through the County's General Fund 73% and the Municipal Service District 27%. These will be budgeted annually. Restrooms will be cleaned and trash collected on a daily basis.

The southcentral Volusia County parks maintenance crew will maintain this facility. This crew maintains other existing parks in the southcentral area of Volusia County and this site will be added to their route. They also currently maintain the existing boat launch and overflow parking area. Adding this site to their route will have minimal impact on their daily activities. It is planned that maintenance services will be provided for two hours per day seven days per week. This equates to a .35 man-year or full time equivalent. No new staffing will be added at this time since mowing, edging and blowing, and tree trimming will be contracted to outside vendors. The .35 man-year for staffing the park, which is based on our hourly wage plus overhead, is \$22,786 plus \$7,399 for annual equipment and supply costs. This equates to \$30,185 per year. A contractor will be used for mowing purposes at an estimated annual cost of \$2,400. This is based on our current contracted mowing expenses per acre.

Incremental increases in actual expenses include utilities estimated at \$4,500 and contract services estimated at \$2,400 will be funded through the County's General Fund and Municipal Service District. They are broken down as follows: Total incremental increase: \$4,500 (utilities) plus \$2,400 (contract services) equates to \$6,900. General fund impact is  $\$6,900 * 73\% = \$5,037$  and Municipal Service District is  $\$6,900 * 27\% = 1,863$ .

**c) Will the program result in significant and lasting benefits? Explain.**

This project will increase property values and give users an option to improve their quality of life through use, and help the environment by maintaining a high level of green space. Also, park amenities directly on the St. Johns River are few. This project will relieve congestion at the Lemon Bluff boat ramp and provide a much improved user experience. An ADA restroom will be provided and thus negate the need for users to travel many miles to the nearest facilities. A designated canoe/kayak launch will provide users easy access to this pristine area of the St. Johns. Large pavilions will provide families and other groups to congregate on this beautiful St. Johns vista. Picnic areas will be provided to further improve this outdoor recreational experience and increase the quality of life to Volusia County's residents and visitors.

Development of this facility will fill a significant unmet need. It will not only benefit Volusia County residents but it will also have a significant economic impact to Volusia County. With the addition of these useful amenities additional users are expected to frequent this facility.

**d) Please describe any environmental benefits associated with this project.**

Water saving equipment will be used in the restrooms. Timed pressure release water faucets will be used to minimize water consumption in the restroom sinks. This results in the



preservation of water due to the automatic shut off valve which stops the water flow after approximately 15 seconds. This will save approximately 5% of water usage related to hand cleansing. Green technology such as low flow toilets will be installed to further reduce water usage. This can reduce daily water usage by 80%. This will use 3.5 gallons per flush as opposed to 18 gallons used by traditional toilets. Electric hand dryers will be used in lieu of paper towels. This will eliminate all hand towel expenses. Recycled toiletry products will be used. Soap dispensers will use a foam based product that will significantly reduce the quantity of soap used on an annual basis. Fiberglass restroom doors will be used in lieu of a steel doors. This will eliminate corrosion due to environmental issues and will increase the useful life of the restroom doors. Automatic lighting will be installed to reduce electricity usage.

Medal roofing material will be used to extend the life of the pavilions and restroom structures. There is already an existing footprint for the seawall and dockage that will be utilized during construction to avoid any environmental impacts.

Silt fence will be installed to ensure construction activities are contained within the project boundaries. There will be a minimal number of trees taken down to ensure a natural look and avoid unnecessary environmental destruction.

*(For reviewer only)*  
*(1-7 points)*

---

SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

---

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

No, the permits will not be applied for until the project is ready to move onto the next phase.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

The design and engineering work is complete and included in this application. Volusia County staff will obtain the necessary permits from the Florida Department of Environmental Protection and the U.S. Army Corp of Engineers. The Lemon Bluff Park project construction is estimated to be \$950,000.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

There are no significant impediments identified that would potentially delay the issuance of the required permits.

*(For reviewer only)  
(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

The design work is complete and attached to this application.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

Unique beneficial aspects of the design include the increased size of the ramp and staging area provide for additional space to navigate the launching of boats, the inclusion of a floating dock system with canoe/kayak launch, the location of the pavilions in proximity to the water, the exterior 5' wide sidewalk placement aids in pedestrian safety, and ADA parking and crosswalk for pedestrian safety and amenity access.

Construction of this park will be done in a way to minimize the environmental impact on the area. Where possible green products will be utilized. Marine grade pressure treated lumber will be used for construction and all hardware will be grade #316 stainless steel, which is suitable for marine application.

Water saving equipment will be used in the restrooms such as timed pressure release water faucets to minimize water consumption. Green technology such as low flow toilets will be installed to further reduce water usage, reducing water usage by 80%. Electric hand dryers will be used in lieu of paper towels, eliminating hand towel and waste expenses. Recycled toiletry products and foam soap dispensers will significantly reduce the quantity of soap used on an annual basis. Fiberglass restroom door will be used in lieu of a steel door. This will eliminate corrosion due to environmental issues and will increase the useful life of the restroom doors. Automatic lighting will be installed to reduce electricity usage.

Medal roofing material will be used to extend the life of the pavilions and restroom structures. The existing footprint for the seawall and dockage will be utilized during construction to avoid any environmental impacts.

*(For reviewer only)*  
*(1-2 points)*

---



**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

Construction of this park will be done in a way to minimize the environmental impact on the area. Where possible green products will be utilized. Marine grade pressure treated lumber will be used for construction and all hardware will be grade #316 stainless steel, suitable for marine application. The construction drawings (included in this application) provide the specifications required.

The existing footprint for the seawall and dockage will be utilized during construction to avoid any environmental impacts.

Silt fence will be installed to ensure construction activities are contained within the project boundaries. There will be a minimal number of trees taken down to ensure a natural look and avoid unnecessary environmental destruction.

- b) How are the utilized construction techniques appropriate for the project site?**

During the bidding process, we will specifically advertise the project to firms that are experienced in projects of this type to include boat ramp construction. The construction techniques utilized by the chosen firm will afford the greatest protection to the natural environment. The batter piles, king piles and new concrete cap are designed especially for the brackish water environment. The contractor shall have a minimum of five years of experience installing pre-stressed concrete batter and king piles. The boat launch and bulkhead composite sheet-pile wall is Everlast Synthetic Products EverComp 80.5 or Crane Material International. All requirements included in the construction drawings will be in compliance.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

By utilizing the original footprint of the existing boat ramp and seawall, the project costs will be much lower than if the project was constructed without any existing structures. In addition, permitting criteria will be easier to meet since there is an existing structure in place.

*(For reviewer only)*

*(1-3 points)*

---

**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

All timber and lumber will be marine grade and identified via treatment mark to American lumber standards. All fasteners included screws, bolts, nuts, washers, plates will be 316 stainless steel. All structural steel and metal items will be grade 316 stainless steel or ASTM A36 steel. All requirements included in the general notes portion of the design will be complied. Marine grade pressure treated lumber, stainless steel grade #316 hardware suitable for marine application has a life expectancy of 20 years. The dock and canoe/kayak launch will consist of aluminum material, which is less expensive and will last longer than traditional wooden dock. The floating dock provides minimal impact to the water and a life expectancy of 30 years.

- b) Identify any unique construction materials that may significantly alter the project costs.**

The materials chosen for this project are standard materials, the project costs are expected to remain the same.

*(For reviewer only)*  
*(1-3 points)*

**RATING POINT  
 TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	Lemon Bluff Park
<b>Applicant:</b>	County of Volusia - Parks, Recreation & Culture

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Boat Ramp and Seawall	\$342,956	\$171,478	\$171,478
Accessory Docks/Kayak Canoe Launch	156,880	103,358	53,522
Mobilization/Demobilization, Surveying and Environmental Compliance	57,399	57,399	0
Cleaning, Demolition, Grading and Stormwater	63,276	63,276	0
Paving, Sidewalks, Restrooms, and Pavilions	329,489	329,489	0

<b>**TOTALS =</b>	<b>\$950,000</b>	<b>\$725,000</b>	<b>\$225,000</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

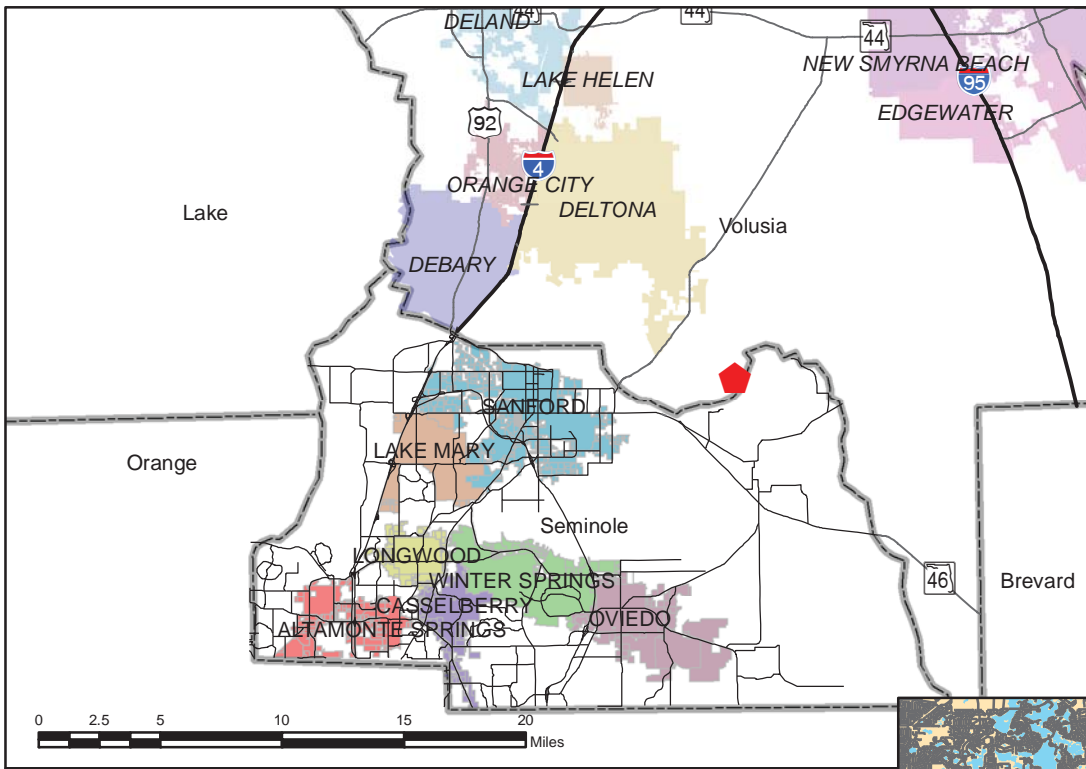
<b>Project Title:</b>	Lemon Bluff Park
<b>Applicant:</b>	County of Volusia - Parks, Recreation & Culture




The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Task/Month	April 17 to May 17	May 17 to June 17	July 17 to September 17	October 17 to December 17	October 17 to September 18	September 18
Hold public meetings						
Finalize design						
Bid out project						
Award contract and begin construction						
Project Construction						
Final Inspection						

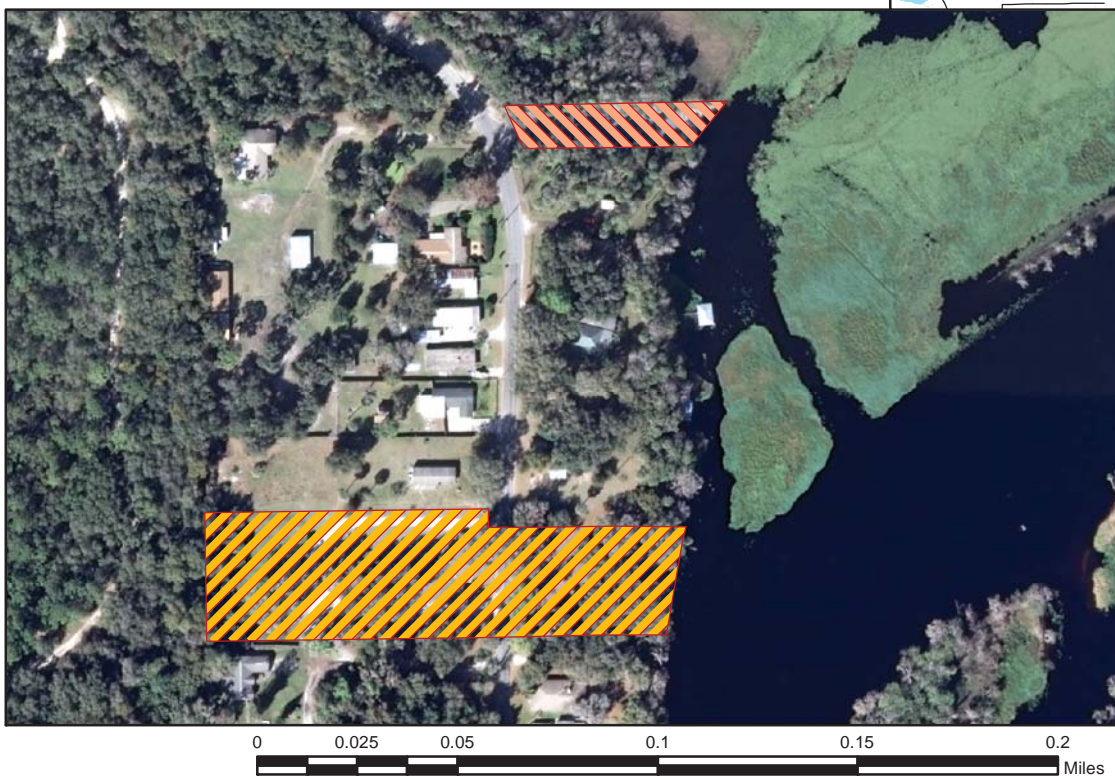
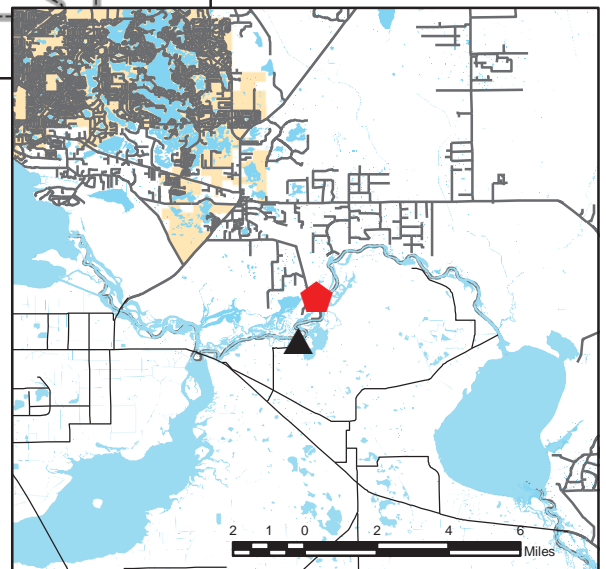
# Lemon Bluff Boat Ramp and Park



-  Lemon Bluff Boat Ramp
-  Mullet Lake Boat Ramp
-  Deltona City Limit

Distance from Lemon Bluff Park to Mullet Lake Park - 13.9 miles

Distance from Lemon Bluff Park to Deltona City Limits - 3.75 miles

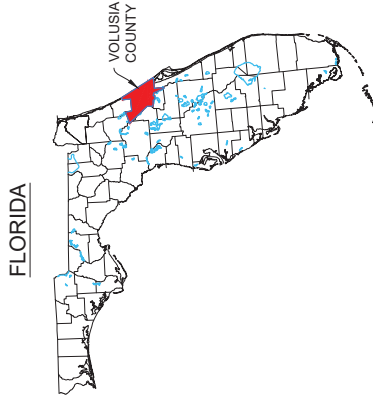


## Lemon Bluff Boat Ramp

-  Current
-  Proposed



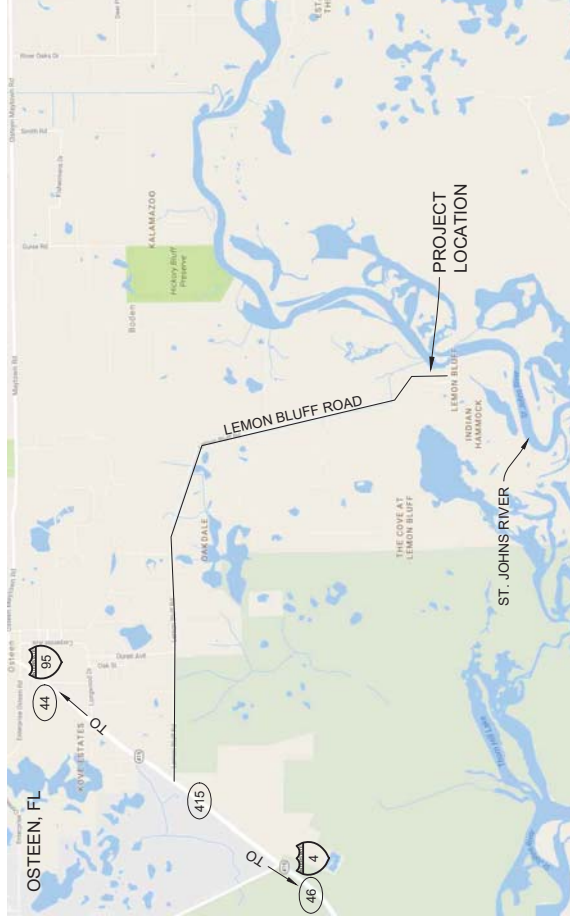
# CONSTRUCTION DRAWINGS



VOLUSIA COUNTY  
LEMON BLUFF MARINE PARK  
FEBRUARY 08, 2017



**PROJECT LOCATION MAP**  
949 LEMON BLUFF ROAD  
OSTEEN, FL 32764



## INDEX

SHEET	DESCRIPTION
CVR	INDEX & LOCATION MAP
01	AERIAL
02	DEMOLITION PLAN
03	SITE PLAN
04	BOAT RAMP DETAILS
05	STORMWATER & PAVEMENT DETAILS
06	GENERAL NOTES
07	GENERAL NOTES
08	GENERAL NOTES

## COUNTY COUNCIL

ED KELLEY	COUNTY CHAIR
PAT PATTERSON	DISTRICT 1
BILLIE WHEELER	DISTRICT 2
DEBORAH DENYS	DISTRICT 3 / VICE CHAIR
HEATHER POST	DISTRICT 4
DR. FRED LOWRY JR.	DISTRICT 5
JOYCE CUSACK	AT LARGE
JAMES DINNEEN	COUNTY MANAGER



**Know what's below.  
Call before you dig.**

**NOTE:**

THESE DRAWINGS AND THE PROJECT SPECIFICATIONS ARE COMPLEMENTARY, AND ANY REQUIREMENT OF ONE SHALL BE A REQUIREMENT OF THE OTHER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE THE DRAWINGS AND SPECIFICATIONS AND TO COMPARE THE REQUIREMENTS OF EACH DIVISION AND ENSURE THAT EACH TRADE OR SUBCONTRACTOR IS MAKING THE ALLOWANCES NECESSARY TO PROVIDE THE OWNER A COMPLETE FACILITY, OPERATIONAL IN ALL RESPECTS, UNLESS OTHERWISE SPECIFICALLY STATED IN THE DRAWINGS OR PROJECT MANUAL.

IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY INTERFERING DISCREPANCIES PRIOR TO THE DATE THE BIDDING DRAWING AND SPECIFICATIONS PRIOR TO THE BIDDING. NEITHER THE OWNER OR ENGINEER WILL BE RESPONSIBLE FOR ANY DEFICIENCIES OR DISCREPANCIES RAISED AFTER THE BID OPENING. ACCORDINGLY, IN LIGHT OF THESE OBLIGATIONS, THE ENGINEER IS OBLIGATED TO INTERPRET THE DRAWINGS SPECIFICATIONS IN A MANNER THAT WILL PROTECT THE OWNER WITH A COMPLETE, FUNCTIONING FACILITY FOR THE BID PRICE.

## ENGINEER CERTIFICATION:

I HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA PRACTICING WITH DMC, DREDGING & MARINE CONSULTANTS LLC, A CORPORATION, AUTHORIZED TO OPERATE AS AN ENGINEERING BUSINESS, CERTIFICATE OF AUTHORIZATION # 9410, BY THE STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION, AND THAT I OR OTHERS UNDER MY DIRECT SUPERVISION, HAVE PREPARED OR APPROVED THE EVALUATIONS, FINDINGS, OPINIONS, CALCULATIONS, CONCLUSIONS OR TECHNICAL ADVICE HEREIN REPRESENTED BY THESE DRAWINGS.

STEPHEN J. KUHN, P.E.  
FLORIDA LICENSE NO. 67486

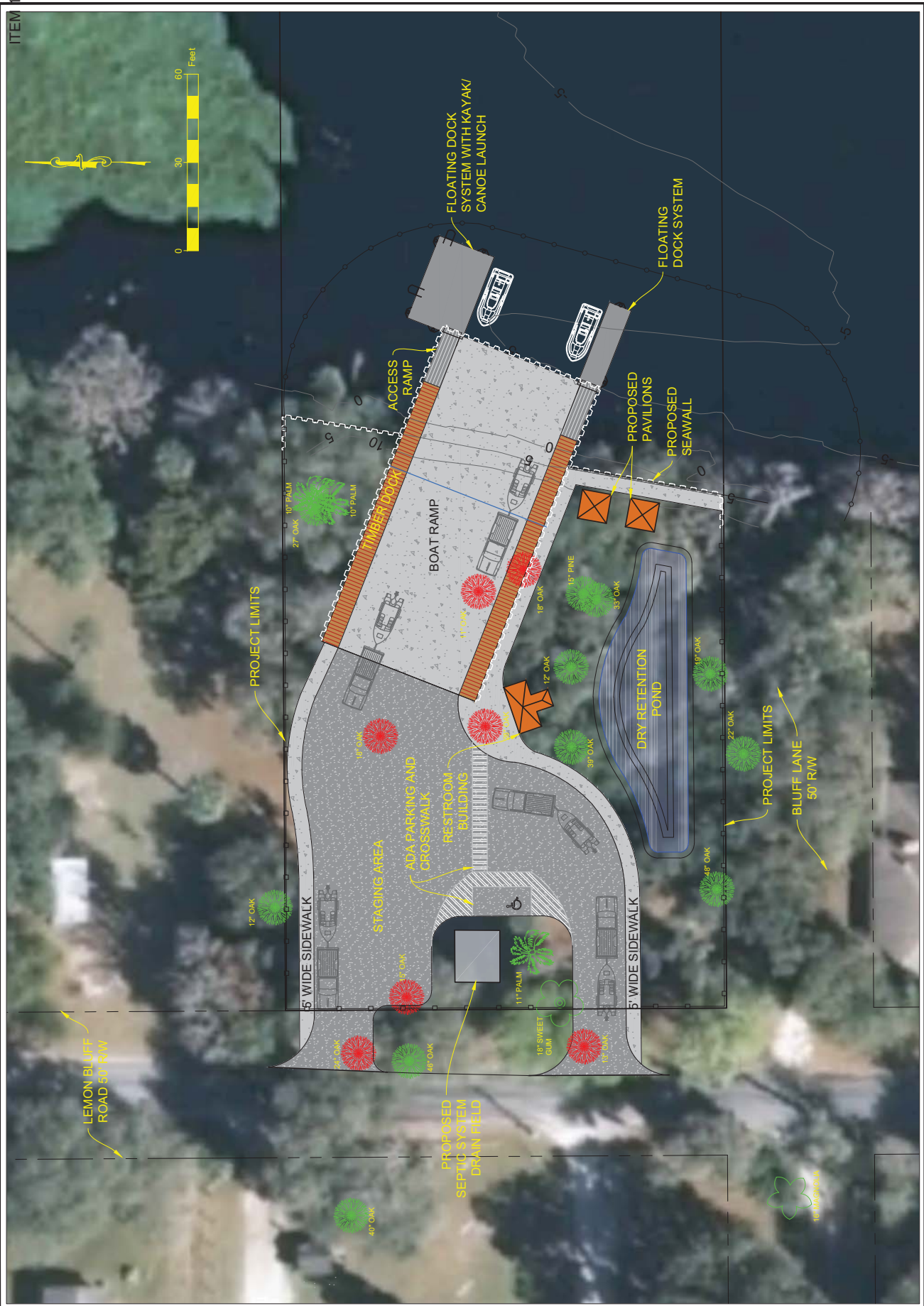
**Dredging & Marine Consultants**

**DMC**

**ENGINEERS • SCIENTISTS**

4943 S. Clyde Morris Blvd  
Unit 302  
Port Orange, FL 32129  
Phone: (386) 304-6505  
Fax: (386) 304-6506  
www.dmcinc.com 263





## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b> City of St. Augustine			
<b>Department:</b> General Services			
<b>Project Title:</b> Riberia Pointe Kayak Launch – Phase II			
<b>Project Director:</b> James C. Piggott		<b>Title:</b>	Director, General Services
<b>Project Liaison:</b> <i>(if different from Project)</i>		<b>Title:</b>	
<b>Mailing Address:</b>	P.O. Box 210		
<b>City:</b>	St. Augustine, Florida	<b>Zip Code:</b>	32085-0210
<b>Email Address:</b>	<a href="mailto:jpiggott@citystaug.com">jpiggott@citystaug.com</a>	<b>Phone #:</b>	(904) 825-1010
<b>Project Address:</b>	399 Riberia Street, St. Augustine, Florida 32084		

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

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

3-23-17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

This Phase II project will provide for construction of a public kayak launch and dock to be located in the Eddie Vickers Recreational Park in St. Augustine, Florida. The kayak launch project will provide a new avenue of public access for recreational kayakers and canoers into the Maria Sanchez Creek, which connects via the Matanzas River into the Atlantic Intracoastal Waterway. The 118 foot dock will be constructed of marine grade pressure treated lumber. The floating kayak platform will be composed of concrete modular sections, imbedded in expanded polystyrene with marine grade pressure treated wood framing. The floating platform will be secured with prestressed concrete piles and access to the platform will be provided by an aluminum gangway.

There will be no fees associated with use of the kayak launch. The project will provide new and continued access for low impact recreational kayakers and canoers to the waters of the Maris Sanchez Creek, the Matanzas and San Sebastian Rivers and the Atlantic Intracoastal Waterway. It will be accessible to residents of the City of St. Augustine and St. Johns County, as well as the residents of surrounding Duval, Putnam, Clay and Flagler counties.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b> City of St. Augustine	<b>Project Title:</b> Riberia Pointe Kayak Launch – Phase II	
<b>Total Project Cost:</b> \$180,000.00	<b>FIND Funding Requested:</b> \$90,000.00	<b>% of Total Cost:</b> 50%
<b>Amount and Source of Applicant's Matching Funds:</b>  St. Augustine Port, Waterway & Beach District	The St. Augustine Port, Waterway & Beach District is funding the Applicant's portion of the project (please see attached interlocal agreement between the City of St. Augustine and the District).	

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

3. Has the District previously provided assistance funding to this project or site? Yes: ☒ No: ☐

4. If yes, please list:

On October 19, 2015, the City was awarded a Phase I grant (#SJ-SA-15-61) from the District for design, engineering and permitting for this project.

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

At present, there is no public access whatsoever to the area waterways (Maria Sanchez Creek and Matanzas River) at the proposed project site.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

This project will provide an access driveway for vehicles, a 118 foot walkway/dock and a kayak launch,

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	No		
DEP	Yes	05/11/2016	07/14/2016
ACOE	No		
COUNTY / CITY	N/A		



## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Riberia Pointe Kayak Launch – Phase II
<b>Applicant:</b>	City of St. Augustine

---

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of one type based upon the predominant cost of the project elements.)

No. 7 – Acquisition, dredging shoreline stabilization & development of public boat ramps and launching facilities.

- b) Explain how the project fits this priority category.**

This project will provide for construction of a public kayak launch and dock into Maria Sanchez Creek, a tributary of the Atlantic Intracoastal Waterway (AICW).

*(For reviewer only)*

Max. Available Score for application 47

Question 1. Range of Score (1 to 5 points)

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## 2) WATERWAY RELATIONSHIP:

### a) Explain how the project relates to the ICW and the mission of the Navigation District.

This project supports the second of the Florida Inland Navigation District's two primary missions: "...to provide assistance to other governments to develop waterway access and improvement projects". This project will provide access to, and enhance recreational boating in the AICW and its adjoining waterways.

### b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

This project will provide a new avenue of public access for recreational kayakers/canoers into Maria Sanchez Creek and from there into the AICW.

(For reviewer only)  
(1-6 points)

---

## 3) PUBLIC USAGE & BENEFITS:

### a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

The location of the proposed kayak launch, Eddie Vickers Recreational Park, is a City-owned recreational area, open to the general public. The kayak launch would provide access for the public to Maria Sanchez Creek and to the AICW via the Matanzas River.

It is estimated that the proposed kayak launch would be used approximately 150 – 200 times per year.

### b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

The kayak launch would be utilized by local residents of St. Augustine and St. Johns County as well as residents of neighboring Flagler, Duval, Clay and Putnam counties. The launch facility will be located within the City of St. Augustine and is accessible by paved roads from U.S. Highway 1, less than one mile away, to residents of the City, St. Johns County and the surrounding counties as well.

### c) Are there any restrictions placed on commercial access or use of this site?

The proposed kayak launch is intended for recreational use only. No commercial activity will be allowed at the site.

(For reviewer only)  
(1-8 points)

---

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Design and engineering is complete and the City has construction plans in hand. The required permit from the Florida Department of Environmental Protection has also been received. It is estimated that the construction phase of this project, bidding through substantial completion, should be completed within ten (10) months of commencement.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

There are no unique aspects of this project which could influence the project timeline.

*(For reviewer only)*  
*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The St. Augustine Port, Waterway & Beach District is providing the difference between the total cost of the project and the grant amount provided by FIND (Please see attached interlocal agreement)

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

The City is unaware of any project costs which may increase based upon materials or site conditions.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

The City will solicit, through competitive bidding, the services of a licensed and qualified contractor who will provide and install all the project components. This work will be performed in the most cost effective and timely manner.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees associated with use of the proposed kayak launch and the other two (2) similar facilities, Joe Pomar Park and the Lighthouse Park Boat Ramp, are also free of charge.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?**

This project will provide additional recreational access and opportunities for the Maria Sanchez Creek and Matanzas River / AICW areas.

The kayak launch is listed as part of the Lincolnville Community Redevelopment Area Comprehensive Plan.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of St. Augustine will continue to maintain and fund the public access kayak launch as part of its standard maintenance schedule.

- c) **Will the program result in significant and lasting benefits? Explain.**

The kayak launch will provide new and continued access for recreational kayakers and canoers to the waters of the Maria Sanchez Creek, the Matanzas River and the AICW.

- d) **Please describe any environmental benefits associated with this project.**

This project will allow for increased low-impact ecological and environmental recreation in the area's waterways.

*(For reviewer only)*  
*(1-7 points)*

---

SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25  
 Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

**7) PERMITTING:**

- a) **Have all required environmental permits been applied for? (USACE, DEP and WMD)**  
If permits are NOT required, explain why not.

- Florida Department of Environmental Protection  
FDEP Permit #55-0343756-001-EG was received on July 14, 2016.
- U.S. Army Corps of Engineers  
This project qualifies for Federal authorization pursuant to State Programmatic General Permit IV-R1. A separate permit or authorization is not required for the U.S. Army Corps of Engineers.

- b) **If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

N/A – This is not a Phase I project.

- c) **Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

The required permits have been received. The City is not aware of any other significant impediments.

*(For reviewer only)*  
*(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

The design and engineering work has been completed and the City has received the construction drawings.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

This proposed kayak launch will provide for new public access to area waterways for low-impact (non-motorized) recreational watercraft such as kayaks and canoes.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

The 118 foot dock will be constructed of marine grade pressure treated lumber. The floating kayak launch platform will be composed of concrete modular sections imbedded in expanded polystyrene with pressure treated wood framing. The floating platform will be secured with prestressed concrete piles. Access to the wooden dock from the floating platform will be provided by an aluminum gangway.

- b) **How are the utilized construction techniques appropriate for the project site?**

All wooden components will be constructed of marine grade pressure treated lumber; all metal hardware will be either corrosion resistant aluminum or stainless steel and the floating platform will be designed to survive in a salt water environment.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

The City is not aware of any unusual construction techniques which are applicable to this project.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Materials to be used will be concrete, polystyrene, pressure treated pine, aluminum and stainless steel. The utilization of stainless steel hardware on the floating platform, in lieu of galvanized steel, should provide a twenty to twenty-five year useful life span.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

The construction budget includes the cost of using stainless steel hardware in lieu of galvanized steel hardware in the floating platform.

*(For reviewer only)*  
*(1-3 points)*

---

**RATING POINT**  
**TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A  
Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)



**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Riberia Pointe Kayak Launch, Phase II
<b>Applicant:</b>	City of St. Augustine

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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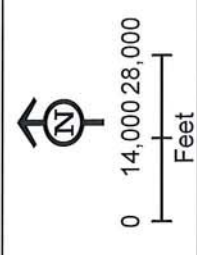
- 11/01/2017: Solicit bids for construction of project (Phase II)
- 12/01/2017: Issue Notice of Award and execute contract for construction
- 01/01/2018: Issue Notice of Commencement for construction of project
- 01/15/2018: Construction work commences
- 08/31/2018: Final approval and acceptance of project construction
- 09/30/2018: Project completion and dedication ceremony for kayak launch (Phase II)





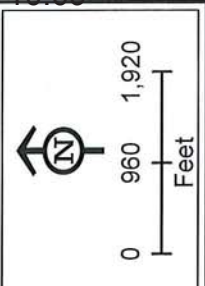
# St. Johns County

## Project Location



Map created with St. Johns County's Map  
DISCLAIMER:  
This map is for reference use only. Data  
provided are derived from multiple sources with  
varying levels of accuracy. The St. Johns County  
GIS Division disclaims all responsibility for the  
accuracy or completeness of the data shown herein.  
Date: 3/23/2017





# Riberia Pointe Kayak Launch

## Project Location Map

Map created with St. Johns County's iMap

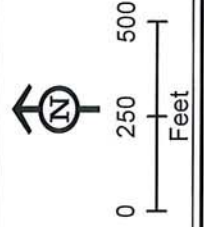
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Date: 3/22/2017





# Riberia Pointe Kayak Launch Site Map

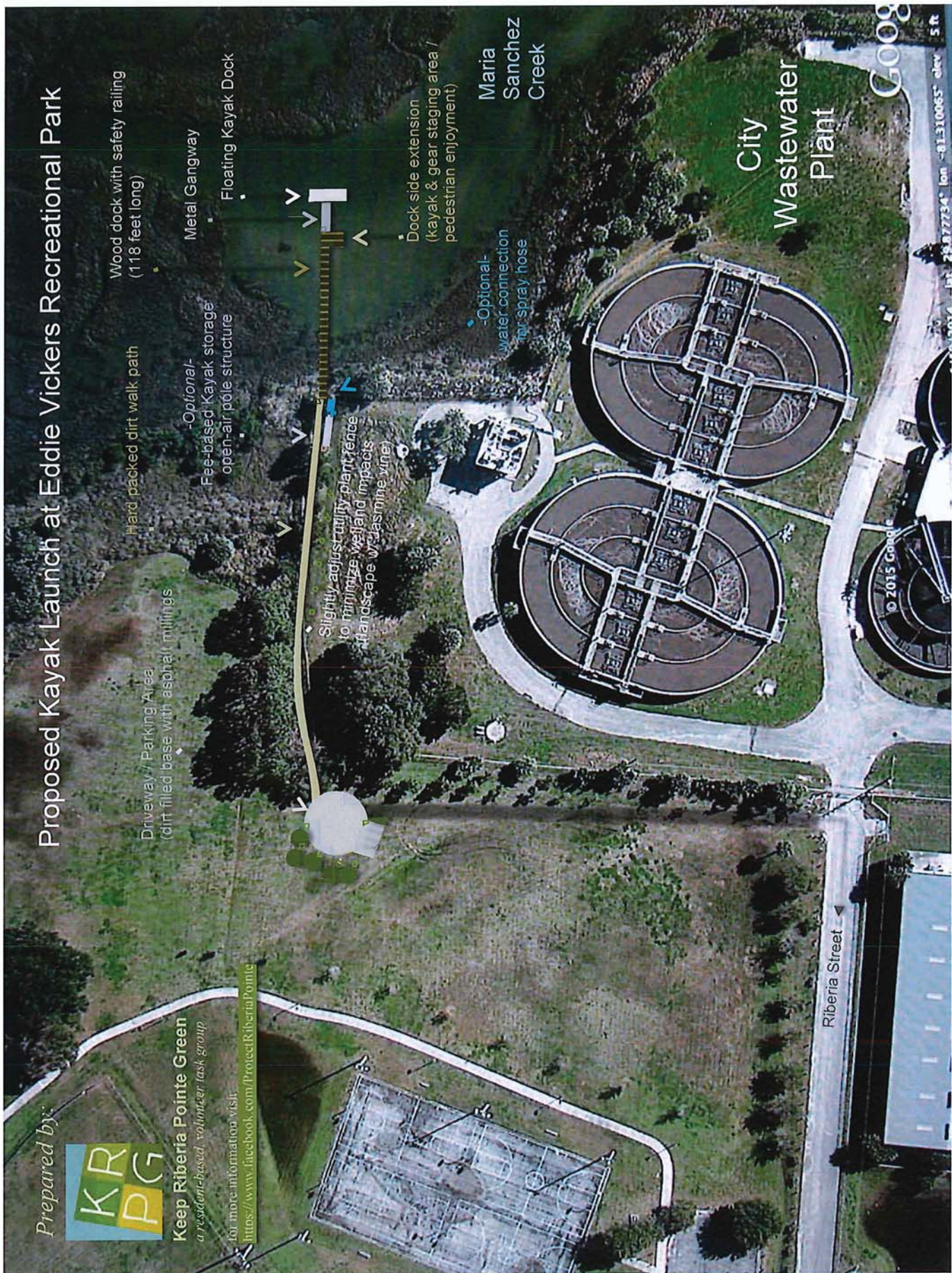


Map created with St. Johns County's iMap

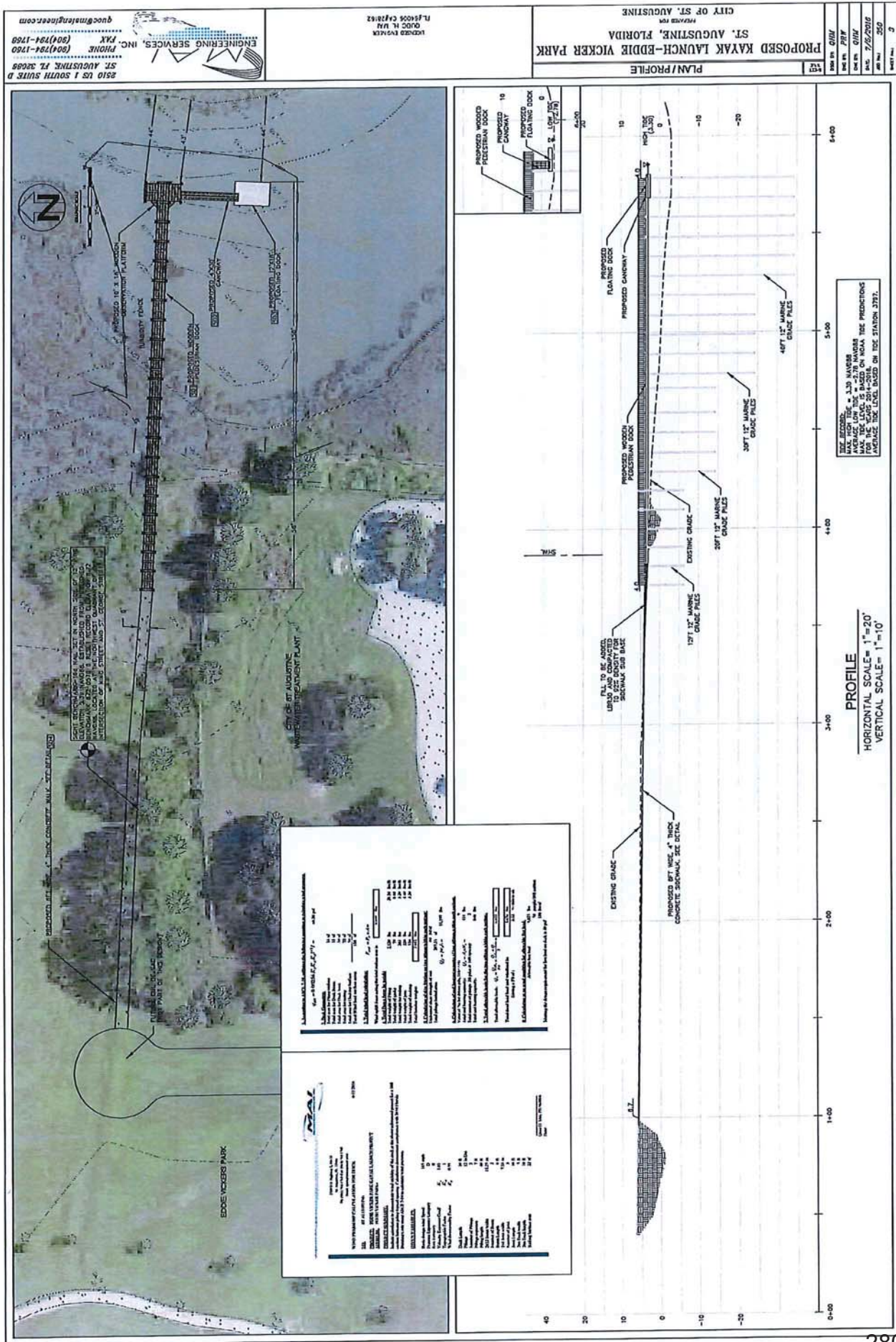
**DISCLAIMER:**  
This map is for reference use only. Data provided are derived from multiple sources with varying levels of accuracy. The St. Johns County GIS Division disclaims all responsibility for the accuracy or completeness of the data shown herein.

Date: 3/22/2017










## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of St. Augustine		
<b>Department:</b>	General Services		
<b>Project Title:</b>	City of St. Augustine Law Enforcement Patrol Boat		
<b>Project Director:</b>	Anthony Cuthbert	<b>Title:</b>	Assistant Chief of Police
<b>Project Liaison:</b> <i>(if different from Project)</i>	Timothy W. Fleming	<b>Title:</b>	Deputy Director, General Services
<b>Mailing Address:</b>	P.O. Box 210		
<b>City:</b>	St. Augustine, Florida	<b>Zip Code:</b>	32085-0210
<b>Email Address:</b>	<a href="mailto:tfleming@citystaug.com">tfleming@citystaug.com</a>	<b>Phone #:</b>	(904) 209-4302
<b>Project Address:</b>	111 Avenida Menendez, St. Augustine, Florida 32084		

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

SIGNATURE:  DATE: 03/23/2017

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of St. Augustine is seeking funding from the Florida Inland Navigation District for replacement of its 2010 Nautica Model R24L law enforcement patrol boat. Due to its length of service, this rigid inflatable vessel has developed several maintenance and repair issues as well as severe stress fractures in the inflatable hull sections and is becoming unfit for service. In the period 2015-2017, the City's patrol boat accumulated a total of 372 patrol hours and was responsible for 10 rescue operations, 22 vessel assists, 262 safety inspections and 15 other interactions with the boating public within the City's 10.5 miles of waterways.

The City's marine unit works to increase boater safety through education, the location and removal of navigational hazards and derelict vessels, and resolving conflicts between boaters. This replacement vessel will enable the City of St. Augustine to continue and enhance its goal of making the area waterways safe and enjoyable for all recreational and commercial boating interests.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b> City of St. Augustine		<b>Project Title:</b> City of St. Augustine Law Enforcement Patrol Boat	
<b>Total Project Cost:</b> \$120,000		<b>FIND Funding Requested:</b> \$60,000	<b>% of Total Cost:</b> 50%
<b>Amount and Source of Applicant's Matching Funds:</b> St. Augustine Port, Waterway & Beach District		The St. Augustine Port, Waterway & Beach District has agreed to provide the Applicant's share of the project cost (please see attached interlocal agreement).	

1. Ownership of Project Site (check one): Own: ☐ Leased: ☐ Other: ☒

2. If leased or other, please describe lease or terms and conditions:

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒

4. If yes, please list:

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

N/A

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

N/A

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	N/A		
DEP	N/A		
ACOE	N/A		
COUNTY / CITY	N/A		

## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	City of St. Augustine Law Enforcement Patrol Boat
<b>Applicant:</b>	City of St. Augustine

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**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of one type based upon the predominant cost of the project elements.)

Priority 14. Waterway boating safety programs and equipment

- b) Explain how the project fits this priority category.**

The proposed law enforcement vessel will be capable of providing immediate response to all water emergencies; utilized to enforce boating safety laws as well as locating and identifying derelict vessels and other hazards to navigation and will provide boater education.

*(For reviewer only)*

Max. Available Score for application     44

Question 1. Range of Score    (1 to 2 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

This project will help fulfill the second of the Navigation District's missions – providing assistance to other governments to develop waterway access and improvement projects. The proposed patrol vessel would enhance boater safety by providing law enforcement and emergency response capabilities. In addition, a significant portion of the City's marine jurisdiction includes the AICW navigation channel through the Matanzas River/Bay.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The proposed vessel would provide high quality law enforcement, emergency response and boater educational opportunities and be available to assist commercial and recreational users of the AICW, Matanzas and San Sebastian Rivers and the St. Augustine Inlet. Public navigation is improved when hazards and derelict vessels are identified and removed, safety education and assistance is provided and marine laws are enforced.

*(For reviewer only)*  
*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

This patrol vessel will be utilized to patrol and respond to emergencies in the area waterways within the City's jurisdiction including the AICW (Matanzas River), the San Sebastian River, Salt Run and the St. Augustine Inlet. The benefit to the public is documented in the City's records of calls for assistance responded to as well as records of law enforcement.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

Residents from other counties transiting the AICW within the City of St. Augustine's jurisdiction, including adjacent Flagler, Putnam, Clay and Duval counties, will directly benefit from the law enforcement and boating safety activities of the City's marine patrol. Also, the City has a mutual aid agreement with St. Johns County to provide critical assistance to their marine units when needed.

- c) Are there any restrictions placed on commercial access or use of this site?**

N/A

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The St. Augustine Police Department has a sufficient number of officers to man the patrol boat and it will be placed into service immediately after procurement. When the grant agreement has been finalized, the City will solicit formal sealed bids, award a contract and finalize the purchase within an estimated time frame of 90 to 120 days.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

The City does not anticipate any unique aspects of the project which would delay the timeline.

*(For reviewer only)*  
*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The St. Augustine port, Waterway & Beach District has agreed to provide the Applicant's portion of the funding (please see attached interlocal agreement).

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

The City does not anticipate any increased costs due to materials or site conditions. All equipment and accessories have been factored in. Only inflation or increased manufacturer's prices may increase the project cost.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

The vessel will be put out to competitive sealed bids and a contract awarded to the lowest responsive and responsible bidder.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

N/A

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

The proposed vessel will provide for enhanced boater safety and enjoyment of the area waterways, including the AICW, as well as identifying and removing navigational hazards such as derelict vessels and floating debris.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of St. Augustine will continue to maintain and fund the law enforcement patrol boat as part of its standard maintenance schedule.

- c) Will the program result in significant and lasting benefits? Explain.**

The vessel will provide patrol and enforcement operations which will result in safer waterways for recreational and commercial boaters as well as marine wildlife. Also, the vessel will engage in boating safety operations to provide guidance on the use of the area waterways.

- d) Please describe any environmental benefits associated with this project.**

The proposed vessel will be used to identify and locate hazards such as derelict vessels and have them towed and properly disposed of to prevent contamination of the waterways by fuel, oil, etc. In addition, hazards such as floating debris can be located and removed to prevent collisions with boaters.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25  
Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4C**  
**LAW ENFORCEMENT & BOATING SAFETY PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM**  
**APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A LAW  
ENFORCEMENT OR BOATING SAFETY PROJECT

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**7) VIABILITY:**

- a) **Describe how the project will address particular public health, safety, or welfare issues of the Navigation District's Waterways.**

The patrol vessel will provide law enforcement and emergency response capability for all the City's waterways, including the Matanzas River and that portion of the AICW which transits the river.

- b) **How does the project provide significant benefits or enhancements to the District's Waterways?**

In addition to its law enforcement and emergency response functions, the vessel will participate in boater safety education encounters to create a safer boating environment. Also, through the City's mutual aid agreement with the St. Johns County Sheriff's Office, the vessel will be available to assist with any emergency response situations when needed.

*(For reviewer only)*  
*(1-3 points)*

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## 8) EXPERIENCE & QUALIFICATIONS:

- a) **List the personnel tasked with the implementation of this project, their qualifications, previous training and experience.**

Sergeant Jerry Whitehead:	23 years with the St. Augustine Police Department 15 years with the Marine Patrol Unit 100.5 hours training
Sergeant Mike Castaing:	16 years with the St. Augustine Police Department 6 years with the Marine Patrol Unit 6.5 hours training
Corporal Jeffrey Truncellito	10 years with the St. Augustine Police Department 6 years with the Marine Patrol Unit 6.5 hours training
Corporal Kevin Carroll:	13 years with the St. Augustine Police Department 6 years with the Marine Patrol Unit 6.5 hours training

- b) **Have the personnel participated in or received state marine law enforcement training?**

Yes. All personnel have received the prerequisite training.

*(For reviewer only)*  
*(1-2 points)*

---

## 9) DELIVERABLES:

- a) **Describe the anticipated, long-term measurable results of implementing this project.**

Replacement of the existing patrol boat will allow the City to continue actively patrolling the area waterways, educating boaters on safety regulations and identifying & removing navigational hazards and derelict vessels.

- b) **What is the range or area of coverage for this project? Please provide a map of the coverage area.**

The City's marine jurisdiction includes the Matanzas River, San Sebastian River, Tolomato River, Hospital Creek, Salt Run and the St. Augustine inlet, roughly on a line from the St. Johns County Road 312 bridge (Mickler-O'Connell Bridge) north to the Highway A1A bridge (Francis & Mary Usina Bridge).

- Please see "City of St. Augustine Marine Jurisdiction" map attached

**c) Does the project fulfill a particular community need?**

This project will assist in increasing safety and reducing the risk of injury or death to all boaters making use of the area waterways.

*For reviewer only)*  
*(1-4 points)*

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**10) EDUCATION:****a) What are the educational benefits (if any) of this proposed project?**

The presence of this patrol vessel on the City's waterways will increase the number of contacts where boaters can be educated and made aware of the state laws, rules and regulations for proper operation of their vessel(s).

**b) How does the project or program provide effective public boating education or expand boater safety?**

Contacts between the City's marine officers and the boating public help to make all waterway users aware of the law and their responsibility to operate their vessel in a safe and courteous manner. The officers can also provide boaters with sources of reference materials to help them become informed in order to comply with all boating safety regulations.

*(For reviewer only)*  
*(1 -3 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	City of St. Augustine Law Enforcement Patrol Boat
<b>Applicant:</b>	City of St. Augustine

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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October 1, 2017	Grant agreement finalized
November 1, 2017	Request for Bids issued
December 1, 2017	Sealed bids received and evaluated
December 15, 2017	Contract for vessel awarded
February 15, 2018	Vessel received and placed into service

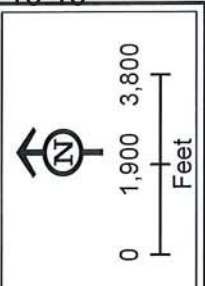
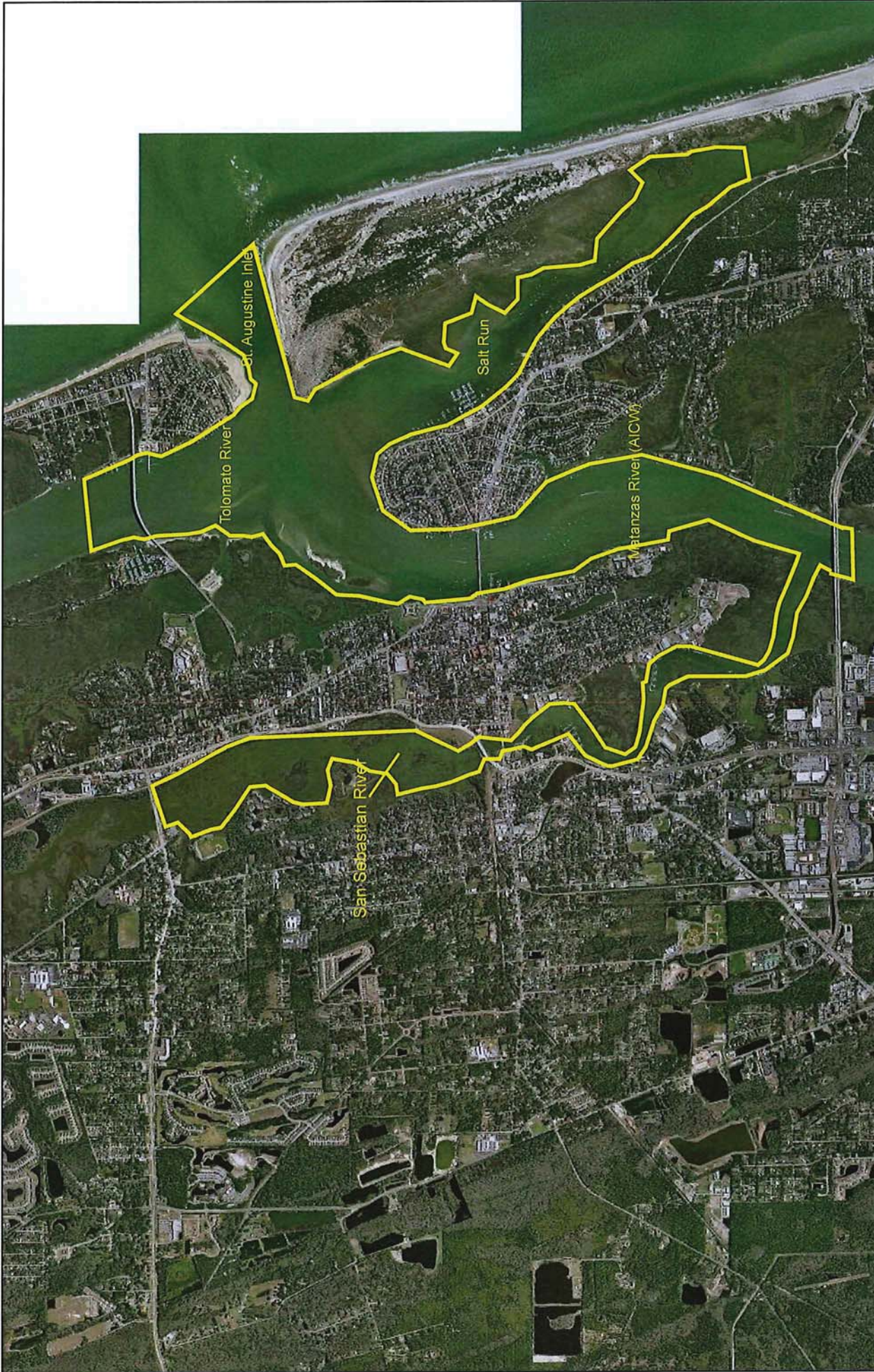


Map created with St. Johns County's iMap

**DISCLAIMER:** This map is for reference use only. Data provided are derived from multiple sources with varying levels of accuracy. The St. Johns County GIS Division disclaims all responsibility for the accuracy or completeness of the data shown hereon.

Date: 3/23/2017





# City of St. Augustine

## Marine Jurisdiction

Map created with St. Johns County's iMap

**DISCLAIMER:**  
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Date: 3/22/2017



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of St. Augustine		
<b>Department:</b>	General Services		
<b>Project Title:</b>	Dredging of Salt Run Channel – Continuation of Multi-Phase Project		
<b>Project Director:</b>	James C. Piggott	<b>Title:</b>	Director, General Services
<b>Project Liaison:</b> <i>(if different from Project)</i>		<b>Title:</b>	
<b>Mailing Address:</b>	P.O. Box 210		
<b>City:</b>	St. Augustine, Florida	<b>Zip Code:</b>	32085-0210
<b>Email Address:</b>	<a href="mailto:jpiggott@citystaug.com">jpiggott@citystaug.com</a>	<b>Phone #:</b>	(904) 825-1010
<b>Project Address:</b>	Salt Run Navigation Channel		

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

SIGNATURE: 

DATE: 3-19-17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

Salt Run was the natural channel providing ocean and AICW access to St. Augustine until 1940, when a new inlet was dredged by the ACOE north of the natural inlet. This action created a lagoon now known as Salt Run. Salt Run is home to the St. Augustine Lighthouse Park Boat Ramp, which is used by both recreational boaters and marine contractors loading materials onto their barges. Also located in Salt Run is the Conch House Marina & Resort, which has a 194 slip marina providing both short term and long term slip rentals. The Marina sells fuel, has a sewage pumpout facility, a repair service, provides short term boat rentals and is home to 14 charter fishing boats. Approximately 60 sailboats are also moored in Salt Run and it is a popular overnight anchorage for vessels traveling the AICW. The Salt Run Channel provides boaters access to Anastasia State Park and to the AICW for over 60 boats docked at private, single-family docks. Note that the St. Augustine Yacht Club, founded in 1873, is located at the St. Augustine Lighthouse Park Boat Ramp.

The natural, marked-access channel begins at the AICW and runs 1.8 miles south to the Lighthouse Park Boat Ramp. This project will continue to address shoaling in the channel which is negatively impacting all the vessels using Salt Run. The maintenance plan is to dredge an additional 5,938 cubic yards which will bring the channel to a depth of -10 feet MLW and a width of 80 feet. The dredge spoil will be dewatered at a temporary site at the Lighthouse Park Boat Ramp and ultimately trucked to a disposal site west of St. Augustine. Dredging activities will be conducted during the 1<sup>st</sup> quarter of 2018.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	<b>Project Title:</b>	
<b>Total Project Cost:</b> \$200,000	<b>FIND Funding Requested:</b> \$150,000	<b>% of Total Cost:</b> 75%
<b>Amount and Source of Applicant's Matching Funds:</b> The St. Augustine Port, Waterway & Beach District	The St. Augustine Port, Waterway & Beach District will provide at least 25% of the required funding (\$50,000.00) for this project, as detailed in the attached interlocal agreement. Please note that the Port District has provided 100% of the funding (\$48,000.00) necessary to secure the required permits from the Florida Department of Environmental Protection (FDEP) and the U.S. Army Corps of Engineers (ACOE).	

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

If yes, please list:

FIND WAP Grants were awarded in 2007 for 50% of the cost of a new floating dock system at the Lighthouse Park Boat Ramp; in 2009 for 75% of the cost of the initial dredging of the Salt Run Channel, and in 2010, 2012, 2013, 2014, 2015, and 2016 for 75% of the cost of the second, third, fourth, fifth, sixth and seventh phases of dredging respectively. Also, WAP Grant funds were awarded in 2014 for 50% of the cost of repairs to the Lighthouse Park Boat Ramp.

**4. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

There are approximately 10,000 launches at the Lighthouse Park Boat Ramp annually. There are 94 wet slips at the Conch House Marina, along with 14 charter fishing boats based at the same facility. There are 60 City operated moorings in Salt Run and approximately 60 vessels based at private docks

**5. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

This is a channel dredging project – new ramps, slips or other structures will not be added.

**6. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	N/A	N/A	N/A
DEP	Yes	10-2007	02-06-2009
ACOE	Yes	10-2007	02-10-2009
COUNTY / CITY	N/A	N/A	N/A



## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Dredging of Salt Run Channel – Continuation of Multi-Phase Project
<b>Applicant:</b>	City of St. Augustine

---

**1) PRIORITY LIST:**

- a) **Denote the priority list category of this project from Attachment C in the application.** (The application may only be of one type based upon the predominant cost of the project elements.)

No.1 – Public Navigation Channel Dredging

- b) **Explain how the project fits this priority category.**

This project improves the existing natural channel which provides public access from the AICW to the Lighthouse Park Boat Ramp, the Conch House Marina (194 wet slips, fuel, repairs, charter fishing & sewer pump out services) and Anastasia State Park. It also provides access to a protected anchorage for vessels using the AICW.

*(For reviewer only)*

Max. Available Score for application     50

Question 1. Range of Score    (1 to 8 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

The Salt Run Channel starts at the intersection of the AICW and the St. Augustine Inlet. This project will improve the access to the AICW for the vessels using the public boat ramp at Lighthouse Park, including commercial marine construction barges. It will also improve the access for vessels traveling the AICW that need dockage, fuel, supplies and repairs from the Conch House Marina.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

In addition to providing public access to and from the AICW from the Lighthouse Park Boat Ramp and the Conch House Marina, the project also provides public boater access to Anastasia State Park and the anchorage in Salt Run, including 60 permanent moorings.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The public boat ramp averages 10,000 launches per year. The Conch House Marina has a capacity to serve 200 vessels between 30 and 100 feet in length. There are 60 vessels moored in Salt Run and 60 additional vessels docked at private docks served by the Salt Run Channel. Additionally, vessels traveling the AICW in the spring and fall use the Salt Run Channel to obtain fuel, supplies and short term dockage and anchoring.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

This project will improve the public channel which connects Salt Run to the AICW. Salt Run provides public access to the AICW via the Lighthouse Park Boat Ramp and also the Conch House Marina, which has 14 charter fishing vessels as well as a short term boat rental facility. Salt Run is used by local residents as well as tourists visiting the St. Augustine area. The Salt Run Channel also provides access to a protected anchorage for vessels using the AICW.

- c) Are there any restrictions placed on commercial access or use of this site?**

N/A

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The St. Augustine Port, Waterway & Beach District has funded the cost of obtaining permits from the ACOE and FDEP. The permit applications were submitted in 2007 and were reviewed, and agency questions answered. The FDEP permit was issued on 06-06-2009, and the ACOE permit was received on 02-10-2009. Dredging will commence in the 1<sup>st</sup> Quarter of 2018.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

The dredge spoil generated by the project will be dewatered and offloaded at the Lighthouse Park Public Boat Ramp which is owned by the City. The boat ramp and adjacent parking lot will remain operational and open to the public at all times.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The St. Augustine Port, Waterway & Beach District will fund at least 25% of the total cost of this project through an interlocal agreement with the City of St. Augustine.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

The major factor which could impact the cost of this project will be the cost of diesel fuel during the 1<sup>st</sup> Quarter of 2018.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

This project will be bid giving the contractor the option of using either a hydraulic dredging method or a mechanical dredging method. The most efficient method with the lowest cost will be selected, subject to its ability to meet the project schedule.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

No fees are charged to use the Lighthouse Park Boat Ramp. Currently, anchorage in Salt Run is free and open to the public without restrictions.

*(For reviewer only)*  
*(1-6 points)*

---



**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes. St. Johns County and Northeast Florida are one of the fastest growing areas in the Southeast United States. Salt Run provides public access to the AICW and the St. Augustine Inlet for this growing population. This channel dredging project will improve access to the AICW for boats on trailers, local fishing boats, charter fishing boats, sailboats, sightseeing boats, law enforcement vessels and marine contractors picking up dock materials at the public boat ramp.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The St. Augustine Port, Waterway & Beach District, in partnership with the City of St. Augustine, will place a high priority on the maintenance of this channel subject to the availability of adequate revenue to meet the overall budget of the City and the Port District. The Port District installed and has maintained the channel markers for over twenty (20) years.

- c) Will the program result in significant and lasting benefits? Explain.**

The Salt Run Channel was the natural waterway which provided ocean access to the City of St. Augustine for the first 375 years of the City's existence. This channel is a historic asset in the Nation's Oldest City. Salt Run is also home to a large population of marine life and birds. This channel dredging project will improve the daily tidal exchange that is necessary to maintain this important marine habitat.

- d) Please describe any environmental benefits associated with this project.**

The dredging of Salt Run Channel will increase the volume of water entering and leaving Salt Run with the tide. This flushing action of the tide improves the water quality, causing a positive impact on the marine habitat in Salt Run, including active oyster beds, and the marshes inside Anastasia State Park which are a habitat for migrating waterfowl.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

**ATTACHMENT E-4D**  
**INLET MANAGEMENT and PUBLIC NAVIGATION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM**  
**APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS AN INLET  
MANAGEMENT or PUBLIC NAVIGATION PROJECT

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**7) WATERWAY RELATIONSHIP:**

**a) How does the project directly benefit the Atlantic Intracoastal Waterway (AICW)?**

The Salt Run Channel connects to the AICW where the AICW intersects with the St. Augustine ocean inlet. This channel dredging project will improve the access of deep draft sailboats, charter fishing vessels, government vessels, barges and recreational vessels which are either based in Salt Run or are visiting St. Augustine as they travel up and down the AICW, or enter the AICW from the Atlantic Ocean.

**b) Identify any long-term sedimentation problems and briefly discuss any methods or activities that will address these issues.**

Taylor Engineering has conducted several studies of Salt Run and the adjacent ocean inlet over the last decade. Several options to reduce long term sedimentation in Salt Run, the adjoining AICW and the inlet, as well as beach erosion, have been explored. Many of these options would involve a significant permitting effort, may not be acceptable to the public and are very costly. There have been several combination navigation and beach renourishment projects in the AICW, adjacent to the Salt Run Channel, completed in the last seventeen (17) years. Both the St. Augustine Port, Waterway & Beach District and St. Johns County have engineering staff looking at sedimentation problems and beach renourishment issues.

**c) Will the project inhibit sediment inflow into, or reduce the dredging frequency of the AICW?**

Yes. Salt Run has a tidal connection directly to the AICW. Any dredge spoil which is removed from the Salt Run Channel is spoil that will not ultimately find its way to the AICW.

*(For reviewer only)*  
*(1-5 points)*

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**8) PUBLIC ACCESS:****a) Will the project enhance public access to or from the waterways? Describe in brief detail.**

Yes. This project will increase the depth of Salt Run Channel close to Salt Run's connection with the AICW and the St. Augustine Inlet. Currently, the natural channel is only -8 to -9 feet deep at MLW. This project will increase and maintain the depth to -10 feet at MLW, allowing deep draft sailboats, larger inboard power boats, charter fishing boats, government vessels, loaded barges and recreational vessels to access the Lighthouse Park Public Boat Ramp, the Conch House Marina, Anastasia State Park and the public mooring/anchoring area.

**b) List the upstream publicly accessible facilities with improved access as a result of this project.**

This dredging project will increase and maintain access to the Lighthouse Park Boat Ramp, Anastasia State Park and the City of St. Augustine's Salt Run mooring field.

*(For reviewer only)*  
*(1 -3 points)*

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**9) BENEFICIAL PROJECT ELEMENTS:****a) Are there additional economic benefits to be realized by implementing this project?**

Yes. The project will help restore and maintain the natural historic channel which provided ocean access to St. Augustine for over 375 years. In 1940, the ACOE dredged the current ocean inlet north of the natural inlet, located at the St. Augustine Lighthouse. This action ultimately closed the natural inlet and created Salt Run. This project will help maintain the historic channel used by both the Spanish and the British residents of St. Augustine prior to the birth of the United States and the creation of the State of Florida.

**b) Briefly spell out any water quality, environmental or habitat benefits to be realized by this project.**

Salt Run is connected to the AICW at its north end and there is a tidal exchange with the AICW and the Atlantic Ocean. The dredging of Salt Run Channel will increase the volume of water entering and leaving Salt Run with the tide. This flushing action of the tide improves the water quality, causing a positive impact on the marine habitat in Salt Run, including active oyster beds, and the marshes inside Anastasia State Park.

*(For reviewer only)*  
*(1 -2 points)*

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**10) PROJECT MAINTENANCE:****a) When was this area last dredged? What is the expected frequency of future dredging?**

The most recent phase of completed dredging activity was finished in February, 2015. The City currently has a dredging firm under contract to complete Phase VI and VII of work by June 30, 2017. Additional dredging operations are anticipated annually until the entire 1.8 mile navigation channel is dredged to a depth of -10 feet MLW and maintained at that depth.

**b) Explain the funding mechanism for the long-term maintenance of the project.**

The St. Augustine Port, Waterway & Beach District will provide at least 25% of the required funding for this project as detailed in the attached interlocal agreement between the City of St. Augustine and the Port District. Note that the Port District has provided 100% of the funding (\$48,000.00) necessary to secure the required permits from the FDEP and the ACOE.

Historically, the St. Augustine Port, Waterway & Beach District, in partnership with the City of St. Augustine, has maintained the Salt Run Channel navigation aids, the Lighthouse Park Public Boat Ramp and performed other maintenance activities such as the removal of derelict vessels in Salt Run. This partnership should continue. Sources of funding for these efforts are local real estate taxes and grant funding. Note that this is a phased project. To complete the dredging of the entire 1.8 mile Salt Run Channel to a depth of -10 feet MLW required the removal of 60,600 cubic yards of dredge spoil. This project addresses the most traveled section of the channel, located on the north end near Salt Run's connection with the AICW. This maintenance project will dredge an additional 5,938 cubic yards of spoil.

**c) Describe the long-range dredge material management plans.**

The dredged spoil and sediment will be dewatered and transported by the dredging contractor to a Florida Department of Environmental Protection approved disposal site.

*(For reviewer only)*  
*(1 -2 points)*

**RATING POINT**  
**TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

## ATTACHMENT E-5

FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017

## PROJECT COST ESTIMATE

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

<b>Project Title:</b>	Dredging of Salt Run Channel – Continuation of Multi-Phase Project	
<b>Applicant:</b>	City of St. Augustine	

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Engineering consultation and supervision	\$ 10,000.000	\$ 2,500.00	\$ 7,500.00
Dredging, temporary storage and final disposal of dredged material	\$ 190,000.00 5,938 Cubic Yards	\$ 47,500.00	\$ 142,500.00

<b>**TOTALS =</b>	<b>\$ 200,000.00</b>	<b>\$ 50,000.00</b>	<b>\$ 150,000.00</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

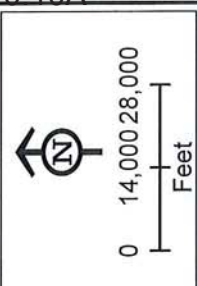
<b>Project Title:</b>	Dredging of Salt Run Channel – Continuation of Multi-Phase Project	
<b>Applicant:</b>	City of St. Augustine	

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Permitting and Design	Completed
Bidding, Approval and Award	Completed
Initial Surveying of Navigation Channel	December 15, 2017
Contractor Mobilization to Site	February 1, 2018
Dredging Operations Commence	February 15, 2018
Dredging Operations Conclude	April 30, 2018
Final Surveying	May 5, 2018
Contractor Demobilization	May 15, 2018
Project Closeout	May 30, 2018





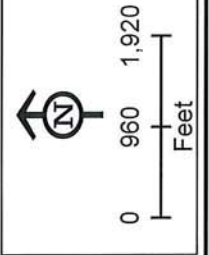
# **St. Johns County** Project Location - Salt Run

Map created with St. Johns County's Map  
306  
DISCLAIMER:  
This map is for reference use only. Data  
provided are derived from multiple sources with  
varying levels of accuracy. The St. Johns County  
Geographic Information System does not warrant the  
accuracy or completeness of the data shown herein.  
Date: 3/23/2017





# Salt Run Channel

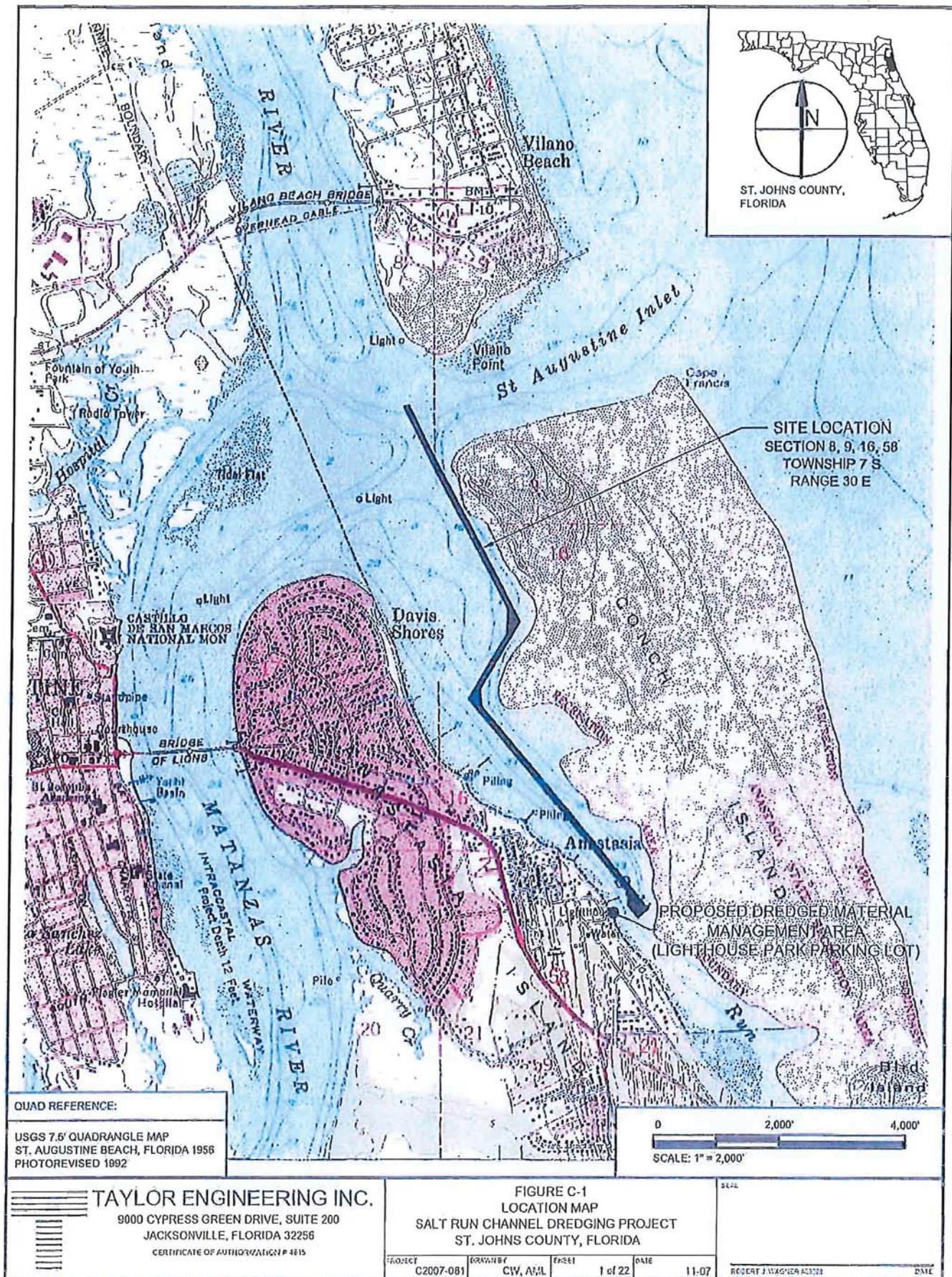


Map created with St. Johns County's iMap

**DISCLAIMER:**  
This map is for reference use only. Data provided are derived from multiple sources with varying degrees of accuracy. St. Johns County GIS does not assume any responsibility for the accuracy or completeness of the data shown herein.

Date: 3/23/2017







## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

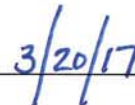
<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b> St. Johns County			
<b>Department:</b> Parks and Recreation Department			
<b>Project Title:</b> Palm Valley Boat Ramp Phase I			
<b>Project Director:</b> William C. Smith		<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project)</i>		<b>Title:</b>	
<b>Mailing Address:</b>	2175 Mizell Road		
<b>City:</b> St. Augustine	<b>Zip Code:</b>	32080	
<b>Email Address:</b> wsmith@sjcfl.us	<b>Phone #:</b>	(904)209-0324	
<b>Project Address:</b>			

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

SIGNATURE: \_\_\_\_\_



DATE: \_\_\_\_\_



**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The Palm Valley Boat Ramp proposed project is located in Northeast St. Johns County underneath the westside of Palm Valley Bridge. The site currently does not have any waterway related improvements but does provide ample parking to accommodate a multilane ramp as well as a dock with floating dock. The location of the site in Northeast St. Johns County makes it well qualified for additional waterway related activities. Next to the development known as Nocatee, this area has seen exponential growth over the last 8 years with Nocatee being the third fastest growing community in the state. Additionally, St. Johns County has approved 72,000 homes which the majority are located in Northeast and Northwest St. Johns County. The closest waterway access is the existing Palm Valley Boat Ramp located on the east side underneath the Palm Valley Bridge. The site contains a single ramp and small dock with an even smaller floating dock. Built by FDOT when the old Palm Valley wooden bridge was replaced in 2001, the ramp and amenities are now insufficient based on the growth and demand for public access to the waterway.

This project proposes for a Phase I, Design Engineering and Permitting of a multilane boat ramp and dock with floating dock located underneath the west side of the Palm Valley Bridge. St. Johns County has our local match and we are ready to get this much needed public access point underway.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>		<b>Project Title:</b>	
<b>Total Project Cost: \$80,000.00</b>	<b>FIND Funding Requested:</b> 40,000	<b>% of Total Cost: 50%</b>	
<b>Amount and Source of Applicant's Matching Funds:</b> \$40,000.00 from the Florida Boaters Improvement Program Fund			

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒

4. If yes, please list:

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

There are currently no boat ramps, docks or floating docks located in this area. The site, however, provides ample parking for a multiple lane boat ramp to provide public access to the Atlantic Intracoastal Waterway.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project? The project proposes for a Phase I, Design, Engineering and Permitting of a multiple lane boat ramp and dock with floating dock.

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	Yes	NA	
DEP	Yes	NA	
ACOE	Yes	NA	
COUNTY / CITY	Yes	NA	



**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Palm Valley Boat Ramp West Phase I
<b>Applicant:</b>	St. Johns County

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

7-Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities. The project proposes a Phase I, Design, Engineering and Permitting of a multilane boat ramp with dock and floating dock.

- b) Explain how the project fits this priority category.**

The project is a Phase I design, engineering and permitting of a multilane ramp with a dock and floating dock to provide public access to the Atlantic Intracoastal Waterway. Upon successful funding of the Phase I application, St. Johns County will submit for Phase II construction of the boat ramp, dock and floating dock.

(For reviewer only)                      47  
Max. Available Score for application    \_\_\_\_\_

Question 1. Range of Score    (1 to 5 points)



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## 2) WATERWAY RELATIONSHIP:

- a) Explain how the project relates to the ICW and the mission of the Navigation District.

The project proposes a new boat ramp, dock and floating dock which will allow direct public access to the AICW once completed.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

The completed project will allow St. Johns County to meet its level of service standards for public access to the AICW. The completed project will consist of a multilane boat ramp with a dock and floating dock to allow for direct public access to the AICW.

*(For reviewer only)*  
*(1-6 points)*

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## 3) PUBLIC USAGE & BENEFITS:

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

The existing ramp, located directly across the river, is inadequate for the demand for public access. Weekend usage of the ramp results in phone call and email complaints to the Parks and Recreation office. With the tremendous growth in Northern St. Johns County, an additional facility providing multiple lanes and adequate floating dock will allow for greater use for public access to the AICW.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

Due to the proposed projects location, the facility will not only service St. Johns County residents but Duval county residents as well. The location is approximately 5 miles from the St. Johns County/Duval County line. Members from other FIND districts currently use the existing facility, and with the addition of another facility located directly across the AICW, public access will be enhanced and we will be able to meet the demand for such access.

- c) Are there any restrictions placed on commercial access or use of this site?

The addition of another access point will actually increase the availability for commercial access to the AICW. Currently, marine contractors are having to use other access points located along the AICW because of the existing single lane ramp and minimal staging area located under the east side of the Palm Valley Bridge.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Upon a successful application, St. Johns County will work directly with one of our continual contractors to secure permitting, design and engineering of the proposed improvements. St. Johns County will be ready at the beginning of the next grant cycle, March 31, 2018, to submit an application for Phase II Construction of the amenities. Our local match for Phase II is also already secured.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

With the addition of a multilane boat ramp and dock with floating dock, and due to its location, St. Johns County does not foresee any issues that would affect or negatively impact the projects timeline. Our goal is to be ready to submit a Phase II application and begin construction as soon as possible once all permits are secured.

*(For reviewer only)*  
*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

St. Johns County currently has \$40,000 designated in our FY17 budget under the Florida Boaters Improvement Program to complete this project in a timely manner once funding is approved from the District.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

The site is conducive to an additional boat ramp, dock and floating dock and the existing parking area makes it an ideal location for these amenities. We do not foresee any increases in costs due to materials utilized or the site location.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

St. Johns County will be able to decrease costs through contract administration and construction administration because of having in house staff that will oversee the project. Additionally, continual contract Marine Contractors will be used which will decrease overall costs on the Phase II construction once approved.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are currently no fees charged to use public boat ramps in St. Johns County and none are proposed. Being that the only public access point in this area is the existing boat ramp under the east side of the Palm Valley Bridge there are no other locations that charge a fee for access to the AICW.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

The project fills a very specific need in the growing area of Northern St. Johns County and also helps St. Johns County meet the level of service standards in our Comprehensive Plan and Land Development Code. The site has also been identified in our Parks and Recreation Master Plan for 2017 and through public workshops, the majority of the participants expressed the need for additional public access points to the waterway which included fishing piers and boat ramp access to the AICW. There is very little publicly owned land in this area and the majority of it has been slated for future development which is why this project is a top priority for St. Johns County.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The project will be listed on our Parks and Recreation Department's inventory and will be maintained regularly just as the existing facility located directly across the AICW is. The park will be insured just as all of our other parks are in St. Johns County.

- c) Will the program result in significant and lasting benefits? Explain.**

The completion of this project will provide residents, guests and members from the other District's communities a much needed public access point to the AICW. Based on public workshops and information obtained from statistically valid surveys during our needs assessment phase of our Parks and Recreation Master Plan, this project meets the needs of what our taxpayers say was needed in this area of St. Johns County. Also, based on the growth this area has experienced over the last 8 years, the existing single lane ramp does not meet the demand for public access to the AICW.

- d) Please describe any environmental benefits associated with this project.**

While there are no significant environmental benefits to be realized from this Phase I application, as with all boat ramps in St. Johns County, we have worked with our St. Johns County Environmental Division to have educational signs at all of our ramps to educate the public on specific things as they relate to the waterway, whether it be shore birds, manatees, right whales, etc. The completed project will include educational signage regarding the native fauna that can be found within the area and how to use caution when operating a vessel in the vicinity of these animals.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

This application is for a Phase I which will include securing all permits needed to eventually construct a multilane boat ramp with dock and floating dock. Permits will be secured once a fully executed grant award agreement has been secured. St. Johns County has our local match and is ready to begin work on this project.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

The phase I work will consist of the following work: survey of the existing conditions and hydrographical survey, geotechnical work, natural resource assessment, design development, permitting work and construction plans. The consultant has estimated this work to take 30 weeks from start to finish and finalized by having bid documents ready for the bid process. The estimated cost of the Phase II Construction of these amenities is \$500,000 and currently St. Johns County has for its FY19 budget a local match of \$246,000 from the Florida Boaters Improvement Program.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

Based on the preliminary meetings with the consultant, there are no foreseeable impediments that would delay the timely issuance of the required permits. Being that a boat ramp, dock and floating dock have been previously permitted directly across the AICW from the proposed site, it is our belief that this process will be consistent with the previously approved facilities.

*(For reviewer only)  
(1-4 points)*

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## 8) PROJECT DESIGN:

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

This project is a Phase I project and a preliminary design has not been developed as of the time of this application. Should one be completed for the Grant hearings, it will be presented to the District Commissioners for review and approval.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

Due to the existing facility across the AICW, it is our belief that we will have no issues arise from the permitting process and the completed project will significantly enhance the public access the AICW, not only for St. Johns County residents, but for other district members as well. The existing location also makes it conducive to minimize the environmental impacts that a project such as this would typically have. Access will be directly into the AICW which will significantly reduce the amount of dredge maintenance that is typically performed at a facility such as this.

*(For reviewer only)*  
*(1-2 points)*

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## 9) CONSTRUCTION TECHNIQUES:

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

St. Johns County has adopted the Tedder/BNC Boat ramp system which is a preformed slab technique which allows for less construction on site time which will provide for a more timely project. The dock will be a wooden dock of either Marine grade PT or Trex decking, based on project budget and maintenance factors, the gangway will be aluminum and the floating dock will be concrete. All hardware will be stainless due to the salt water environment in which the project site is located.

- b) **How are the utilized construction techniques appropriate for the project site?**

St. Johns County has partnered with the District on multiple boat ramp projects over the years and have had great success with the above mentioned techniques for marine construction. We see this project being no different and all work and materials will be at or above industry accepted standards. The project proposes for the addition of a multilane boat ramp with dock and floating dock to enhance public access in an area that lacks appropriate or adopted levels of service standards.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

We believe that by using our adopted ramp system which minimizes on site construction that the project timeline will be decreased which will allow us cost savings in mobilization and construction time. Other techniques may be identified in the design, engineering and permitting process in which will be provided to the District commissioners at the grant hearing presentation of this project.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Although the project is a Phase I, Phase II will include the construction and installation of a concrete boat ramp, either Marine Grade PT or Trex or composite decking and an aluminum gangway for access to the concrete floating dock. Typically, we have seen from other projects in St. Johns County, barring any hurricanes like Hurricane Mathew, a 25 to 30 year life span on marine construction within the AICW. All hardware will be stainless steel which will increase construction costs but provide cost savings in long term maintenance.

- b) Identify any unique construction materials that may significantly alter the project costs.**

As previously mentioned, Phase II will include proposed construction techniques which may include the use of Trex or composite decking boards and stainless steel hardware. Although the initial costs will be higher based on the use of this material, long term maintenance will be reduced due to the design life of the proposed materials. Construction techniques and materials will be identified in the Phase II application.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	Palm Valley Boat Ramp West Phase I
<b>Applicant:</b>	St. Johns County

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
<i>The tasks for this Phase I project are defined below.</i>			
<i>Task A – Survey</i>	\$9,500.00	\$4,750.00	\$4,750.00
<i>Task B – Geotechnical Services</i>	\$8,500.00	\$4,250.00	\$4,250.00
<i>Task C – Natural Resource Assessment</i>	\$4,500.00	\$2,250.00	\$2,250.00
<i>Task D – Design Development</i>	\$27,500.00	\$13,750.00	\$13,750.00
<i>Task E – Permitting</i>	\$16,000.00	\$8,000.00	\$8,000.00
<i>Task F – Construction Plans</i>	\$14,000.00	\$7,000.00	\$7,000.00

<b>**TOTALS =</b>	<b>\$80,000.00</b>	<b>\$ 40,000.00</b>	<b>\$40,000.00</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Palm Valley Boat Ramp West Phase I
<b>Applicant:</b>	St. Johns County

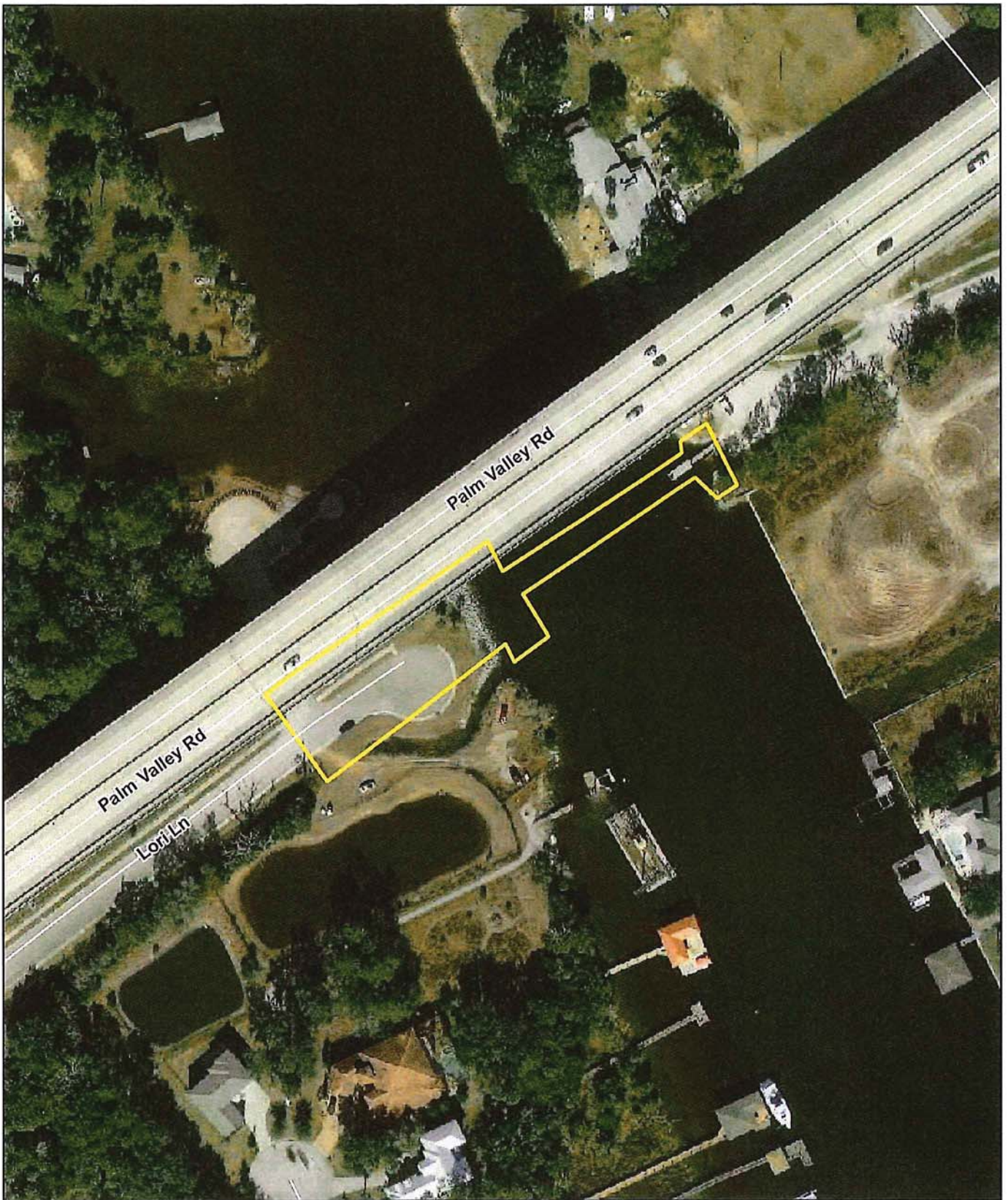
The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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October 2017	Grant approved and awarded to St. Johns County.
November 2017	Fully executed Grant Award agreement.
December 2017	Consultant retained and ready to begin work.
December 2017	Survey completed.
January 2018	Geotechnical Services delivered and completed.
January 2018	Natural Resource Assessment completed.
February 2018	Design Development begins.
March 2018	Design Development complete.
April 2018	Permitting begins.
June 2018	Permitting completed.
June 2018	Construction Plans begin.
July 2018	Construction Plans complete waiting approval for Phase II construction from the District.





ProjectID: j17229

**DISCLAIMER:**  
This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. St. Johns County GIS Division disclaims all responsibility for the accuracy or completeness of the data shown herein.



0 90 180  
Feet

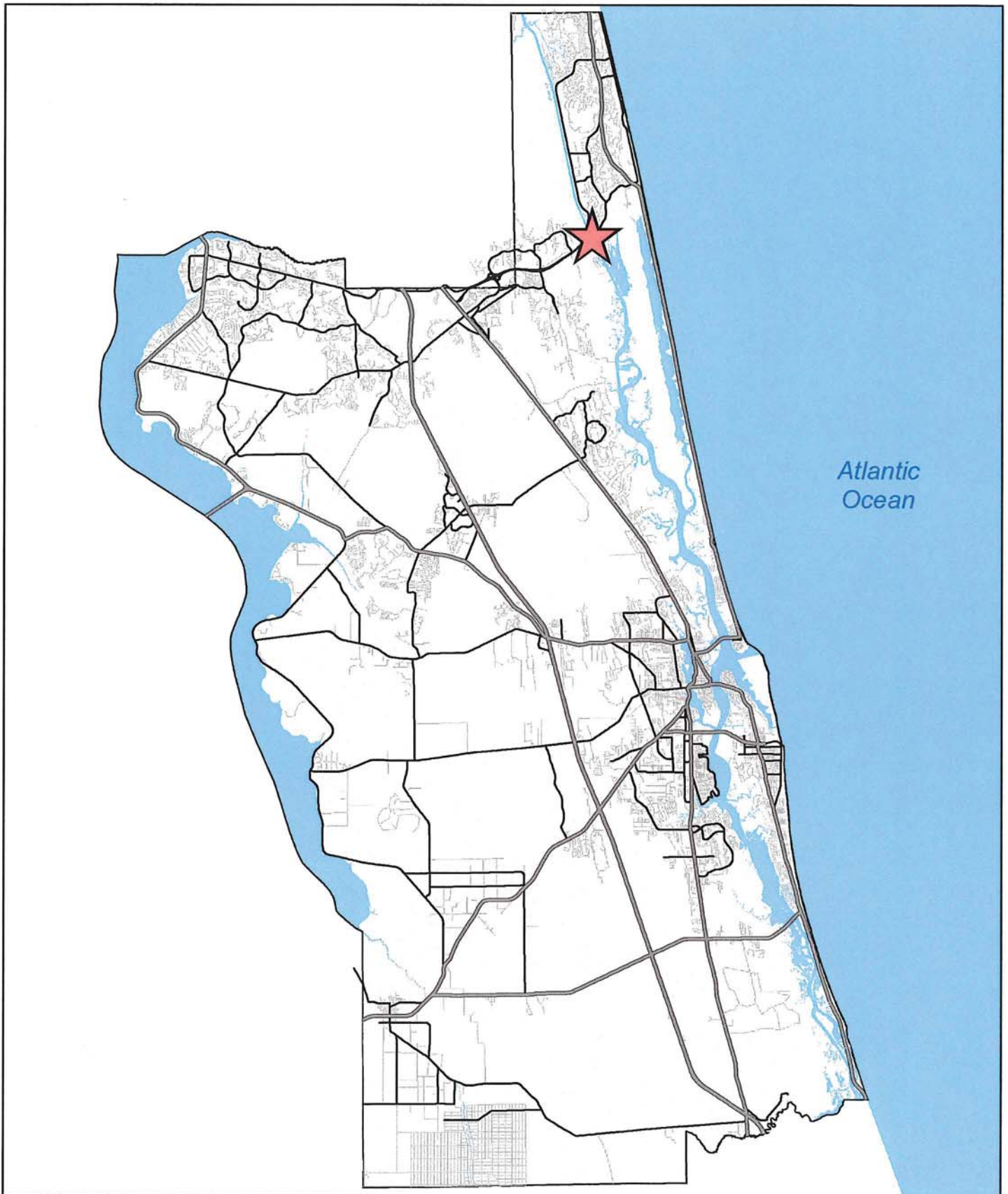
Photography Date: 2/2016

Date Prepared: 3/27/2017

Palm Valley Boat Ramp  
(West)







ProjectID: j17229

**DISCLAIMER:**

This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. St. Johns County GIS Division disclaims all responsibility for the accuracy or completeness of the data shown hereon.

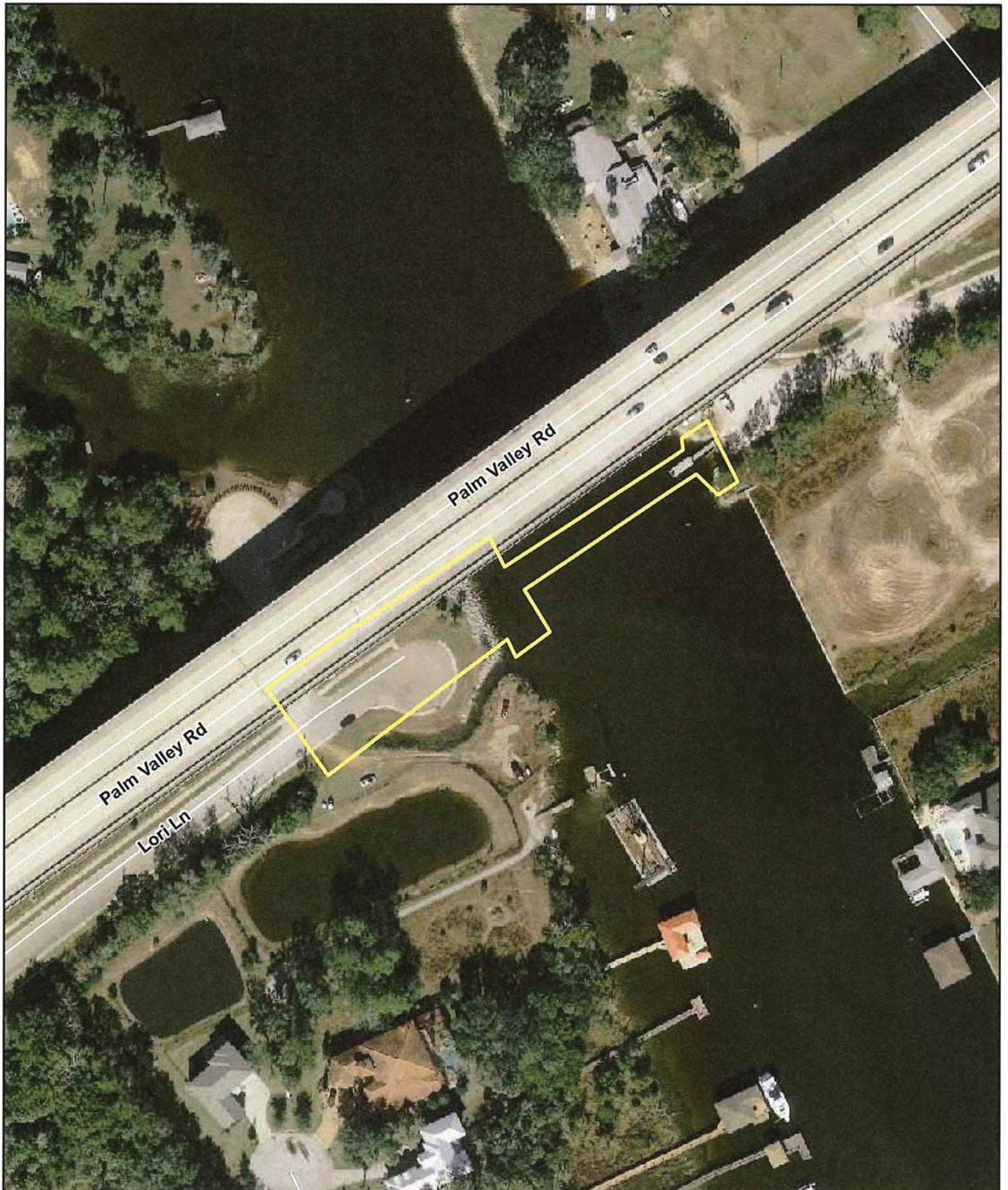


**Photography Date: 2/2016**

**Date Prepared: 3/27/2017**

**County Location Map  
Palm Valley Boat Ramp  
(West)**





ProjectID: j17229

**DISCLAIMER:**

This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. St. Johns County GIS Division disclaims all responsibility for the accuracy or completeness of the data shown herein.



0 90 180  
Feet

Photography Date: 2/2016

Date Prepared: 3/27/2017

**Palm Valley Boat Ramp  
(West)**



322



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	St. Johns County Fire Rescue		
<b>Department:</b>	Fire Rescue		
<b>Project Title:</b>	Public Safety Docking Facility		
<b>Project Director:</b>	Carl Shank	<b>Title:</b>	Fire Chief
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Jeremy Robshaw	<b>Title:</b>	Captain
<b>Mailing Address:</b>	3657 Gaines Road		
<b>City:</b>	St. Augustine	<b>Zip Code:</b>	32084
<b>Email Address:</b>	jrobshaw@sjcfl.us	<b>Phone #:</b>	(904) 209-1750
<b>Project Address:</b>	101 Vilano Causeway, St. Augustine, FL 32084		

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

SIGNATURE:  DATE: 2/14/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

Within the County's jurisdiction are 42 miles of Atlantic coastline, the St. Augustine Inlet and Matanzas Inlet, the Intracoastal Waterway, and the St. Johns River. Because of the abundance of available recreational water areas, a significant growth of boating and beach use has been realized. Over 500 boat slips and moorings are also located at the three primary marinas in St. Johns County. In 2015, over 13,300 vessels were registered in the County, with a significant number of registered vessels within one hour travel distance to St. Johns County waterways

St Johns County Fire Rescue (SJCFR) is requesting Florida Inland Navigation District (FIND) funding to complete construction of a secure public safety docking facility. The facility will have gated access and will contain lifts/slips for Local Law Enforcement and Fire Rescue. Currently there is only one public marina providing lift capabilities. This marina is open to the public and often tidal dependent on operations. No current facility is secure and the public currently has access to these vessels. Additionally, this project is needed to protect valuable Law Enforcement and a Fire Rescue vessels from public access.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	St. Johns County Fire Rescue	<b>Project Title:</b>	Public Safety Docking Facility		
<b>Total Project Cost: \$</b>	503,398.00	<b>FIND Funding Requested: \$</b>	164,564.00	<b>% of Total Cost:</b>	33%
<b>Amount and Source of Applicant's Matching Funds:</b>	Total Project Cost - \$503, 398 Federal Port Authority Funding - \$172,500 Local Port Authority Funding - \$57,500 Requested FIND Funding - \$164,564 (33%) Fire Rescue and Sheriff's Office Funding - \$164,564 to be funded through the annual budget process.				

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

3. Has the District previously provided assistance funding to this project or site? Yes: ☒ No: ☐

4. If yes, please list:

SJ12-51 – Boat Ramp Dredging, SJ89-6 – Boat Basin Dredging,

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

NA

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

NA

7. Are fees charged for the use of this project? No ☐ Yes ☒ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	NA	NA	NA
DEP	YES		7/28/2016
ACOE	YES		7/28/2016
COUNTY / CITY	YES		7/12/2016



## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Public Safety Docking Facility
<b>Applicant:</b>	St. Johns County Fire Rescue

---

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of one type based upon the predominant cost of the project elements.)

Category 14, Waterway boating safety programs and equipment.

- b) Explain how the project fits this priority category.**

The project is for the construction of a public safety docking facility for St. Johns County Fire Rescue and St. Johns County Sheriff's Office. Both will use this new facility to house public safety vessels utilized in emergency response and public safety patrols.

*(For reviewer only)*  
*Max. Available Score for application*      44

*Question 1. Range of Score (1 to 2 points)*

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**2) WATERWAY RELATIONSHIP:**

- a) **Explain how the project relates to the ICW and the mission of the Navigation District.**

The boat slip will be utilized by SJCFR and SJSO to patrol 42 miles of waterway to increase boater safety, improve boater experience and protect the marine life that shares the waterway. The facility will allow both agencies to dock the vessels in a secure and response ready state.

- b) **What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

Public navigation is improved when hazards are identified and removed, inexperienced boaters receive education and public safety is enforced. The new facility will increase patrol capability, response to emergencies and greatly aid in public safety presence on the waterways.

*(For reviewer only)*  
*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:**

- a) **How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

This facility will be used exclusively by SJCFR and SJSO. The public will benefit by increased patrols and public safety presence on the waterways.

- b) **Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

This facility will be used exclusively by SJCFR and SJSO. The public will benefit by increased patrols and public safety presence on the waterways.

- c) **Are there any restrictions placed on commercial access or use of this site?**

This will be a government/public safety operated facility that will not have commercial activity.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Currently this project has completed all design and engineering as well as all required State and Federal permitting. Upon securing total funding the project is ready to be released for competitive bid with construction commencing upon accepted bid. If funding is approved Oct 2017, project is estimated to take 4-6 months for completion.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

No delays are anticipated at this time.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

Federal Port Funding - \$172,500, Local Port Funding - \$57,500 for a total of \$230,000 currently committed to the project. Remaining funding will be secured through the FIND program and the annual budget of SJCPR and SJSO.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

Not anticipated at this time. Only increased prices from the manufacturer could increase the project cost.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

St. Johns County commits to a full and appropriate maintenance schedule for the dock and associated lifts. This will ensure all equipment remains operational for the anticipated life span.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

NA

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

This facility will accommodate the SJCFR Fire Rescue vessel and the SJSO Law Enforcement response vessel which are both key components of our Marine Rescue response plan. This facility will allow us to respond to all areas of the intracoastal waterway and near shore Atlantic Ocean. Given the historical nature of St. Augustine our waterways are a significant draw to our community and lead to a very active marine and boating population.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

All county equipment stored at this facility will be maintained by St. Johns County Facilities Maintenance in accordance with manufacturers recommendations. The facility will be insured under the St. Johns County property and casualty policy.

- c) **Will the program result in significant and lasting benefits? Explain.**

The docking facility will provide a secure location for Local Law Enforcement, and a Fire Rescue vessel. The construction of the multi-agency secure public safety docking facility will reduce risk in a cost effective measure. The facility is located within close proximity of several high marine traffic areas to include, the Vilano inlet, the Northeast Florida Regional Airport, downtown St. Augustine. This strategic location will allow for a rapid response from all vessels housed at the facility increasing safety and preparedness for the future.

- d) **Please describe any environmental benefits associated with this project.**

Both vessels housed at this facility work closely with State and Federal Fish and Wildlife officials to ensure that all species are protected from unsafe and/or unlawful waterway and boating practices.

*(For reviewer only)*  
*(1-7 points)*

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**SUB-TOTAL** \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4C  
LAW ENFORCEMENT & BOATING SAFETY PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A LAW  
ENFORCEMENT OR BOATING SAFETY PROJECT

---

**7) VIABILITY:**

- c) Describe how the project will address particular public health, safety, or welfare issues of the Navigation District's Waterways.**

The project will allow SJCFR and SJSO to better protect the public utilizing on water public safety presence including fire rescue and law enforcement access, response time and aquatic agility. The new dock is designed for rigorous environments and is well suited for marine operations including: fires, search and rescue, hazmat, law enforcement, multi-agency training and other public safety activities.

- d) How does the project provide significant benefits or enhancements to the District's Waterways?**

SJSO and SJCFR will increase patrols and presence on the waterways which will better protect the public and create a safer boating experience. Having multiple mission specific response vessels docked at a centralized location will allow public safety to enhance our response to a variety of emergency missions creating a safer marine environment for first responders and the citizens and visitors of St. Johns County.

*(For reviewer only)  
(1-3 points)*

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**8) EXPERIENCE & QUALIFICATIONS:**

- a) **List the personnel tasked with the implementation of this project, their qualifications, previous training and experience.**

St. Johns County Sheriff's Office - Sheriff David Shoar  
St. Johns County Fire Rescue - Fire Rescue Chief Carl Shank

- b) **Have the personnel participated in or received state marine law enforcement training?**

SJSO personnel assigned to operate and respond on these vessels have received multiple appropriate LEO trainings in addition to required maritime response and vessel operations training. SJCFR personnel assigned this facility have received multiple layers of boating safety training including: Coast Guard OUPV, Swift-water, Advanced PWC operations and Fast Boat training. This is in addition to required Fire, Paramedic and Emergency Medical Technician certifications.

*(For reviewer only)*  
*(1-2 points)*

---

**9) DELIVERABLES:**

- a) **Describe the anticipated, long-term measurable results of implementing this project.**

The long term result will be a safer boating experience in the intracoastal waterway and the adjacent Atlantic Ocean waterways to St. Johns County. Increased patrols will result in better education, increased visibility, improved response and incident mitigation.

- b) **What is the range or area of coverage for this project? Please provide a map of the coverage area.**

Please see attached map of St. Johns County.

- c) **Does the project fulfill a particular community need?**

The project will assist in reducing boating incidents and increase overall safety on the waterway. The addition of this facility will result in a more enjoyable and safer boating experience for those visiting and the residents of St. Johns County.

*(For reviewer only)*  
*(1-4 points)*

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**10) EDUCATION:****a) What are the educational benefits (if any) of this proposed project?**

Increased marine unit presence on the waterways will ensure boaters are more aware of and following all applicable marine related laws and regulations. As patrols are able to reach more boaters the county will be made aware of educational shortfalls and can design public safety messages to reach the maritime community and increase boater education.

**b) How does the project or program provide effective public boating education or expand boater safety?**

With the increased presence of this facility at a highly utilized boat ramp, the ability of public safety to interact and educate the public will be greatly enhanced.

*(For reviewer only)*  
*(1 -3 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Public Safety Docking Facility
<b>Applicant:</b>	St. Johns County Fire Rescue

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Feb 2017 - Submit application to FIND Commissioner Carl Blow for review

March 2017 - Submit official FIND grant application to review committee.

June 2017 - Present application to FIND commissioners at meeting in Brevard County

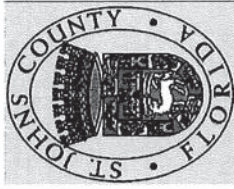
October 2017 - Pending funding approval Public Safety Dock project will go to competitive bid

December 2017 - Bids awarded construction of facility will commence

May 2017 - Construction completed and docking facility operational with SJCFR and SJSO response vessels.

# CONSTRUCTION DRAWINGS ST. JOHNS COUNTY, FLORIDA PUBLIC SAFETY DOCKING FACILITY

SEPTEMBER 9, 2016



## COUNTY COMMISSIONERS:

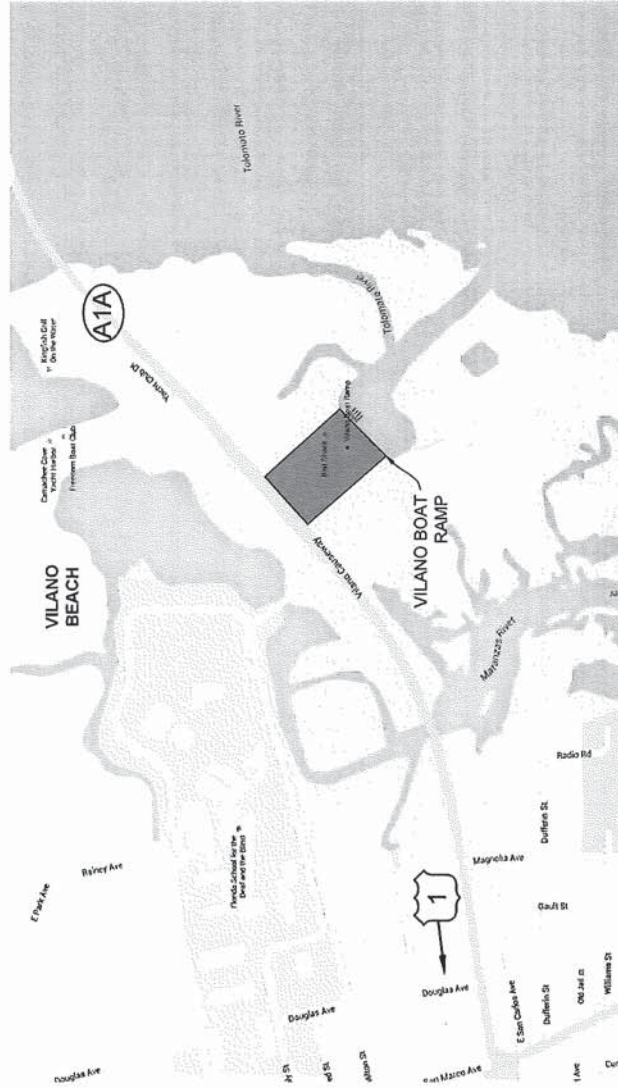
- JAMES K. JOHNS  
JEB SMITH  
BILL MCCLURE  
JAY MORRIS  
RACHAEL L. BENNETT
- DISTRICT 1  
DISTRICT 2  
DISTRICT 3  
DISTRICT 4  
DISTRICT 5

## FLORIDA



## LOCATION MAP

SECTION 8, TOWNSHIP 7 SOUTH, RANGE 30 EAST



## SHEET INDEX

No.	DESCRIPTION
C-01	COVER SHEET & LOCATION MAP
C-02	AERIAL
C-03	SITE PLAN
C-04	DREDGE PLAN
C-05	DOCKING FACILITY PLAN
C-06	ELEVATION A-A
C-07	ELEVATION B-B & SECTION C-C
C-08	ROOF GIRDERS & DETAILS
C-09	ROOF DETAILS
C-10	GENERAL NOTES
C-11	SPECIAL ENVIRONMENTAL CONDITIONS



## NOTE:

THESE DRAWINGS AND THE PROJECT SPECIFICATIONS ARE COMPLEMENTARY, AND ANY REQUIREMENT OF ONE SHALL BE A REQUIREMENT OF THE OTHER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE THE DRAWINGS AND SPECIFICATIONS AND TO COMPARE THE REQUIREMENTS OF EACH DIVISION AND ENSURE THAT EACH TRADE OR SUBCONTRACTOR IS MAKING THE ALLOWANCES NECESSARY TO PROVIDE THE OWNER A COMPLETE FACILITY, OPERATIONAL IN ALL RESPECTS, UNLESS OTHERWISE SPECIFICALLY STATED IN THE DRAWINGS OR PROJECT SPECIFICATION.

IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DEFICIENCIES OR DISCREPANCIES AMONG THE DIVISIONS OF THE DRAWING AND SPECIFICATIONS PRIOR TO THE BID DATE. NEITHER THE OWNER OR ENGINEER WILL BE RESPONSIBLE FOR ANY DEFICIENCIES OR DISCREPANCIES RAISED AFTER THE BID OPENING. ACCORDINGLY, IN LIGHT OF THESE OBLIGATIONS, THE ENGINEER IS OBLIGATED TO INTERPRET THE DRAWINGS SPECIFICATIONS IN A MANNER THAT WILL PROVIDE THE OWNER WITH A COMPLETE, FUNCTIONING FACILITY FOR THE BID PRICE.

## ENGINEER CERTIFICATION


I HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA PRACTICING WITH DREDGING & MARINE CONSULTANTS LLC, (DMC) CORPORATION, AUTHORIZED TO OPERATE AS AN ENGINEERING BUSINESS, CERTIFICATE OF AUTHORIZATION # 9410, BY THE STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION, AND THAT I, OR OTHERS UNDER MY DIRECT SUPERVISION, HAVE PREPARED OR APPROVED THE EVALUATIONS, FINDINGS, OPINIONS, CALCULATIONS, CONCLUSIONS OR TECHNICAL ADVICE HEREBY REPRESENTED BY THESE DRAWINGS.

**DMC**  
ENGINEERS • SCIENTISTS

Dredging & Marine Consultants  
4643 S. Clyde Morris Blvd  
Unit 302  
Port Orange, FL 32129  
Phone: (386) 304-6505  
Fax: (386) 304-6506  
www.dmcsc.com

STEPHEN J. KUHN, P.E.  
FLORIDA LICENSE NO. 67486



 <p>St. Johns County 500 Sun Spoken Way St. Augustine, FL 32084 (904) 209-0150</p>		<p><b>ENGINEERS • SCIENTISTS</b> <b>DMC</b> Dredging &amp; Marine Consultants 4643 S. Cyda Monte Blvd Fort Orange, FL 32128 Phone (386) 304-6505 Fax (386) 304-6506 www.dmcscs.com</p>		<p>CLIENT: ST. JOHNS COUNTY PROJECT NAME: PUBLIC SAFETY DOCKING FACILITY DESIGN BUILD SERVICES</p>		<p>APPROVED BY: [Signature] DATE: 09-09-2016 SCALE: AS SHOWN SHEET NO: C-01</p>	
<p>DRAWN BY: [Signature] DWC JOB NO: [Number] AERIAL</p>		<p>PROJECT NAME: PUBLIC SAFETY DOCKING FACILITY DESIGN BUILD SERVICES</p>		<p>CLIENT: ST. JOHNS COUNTY</p>		<p>APPROVED BY: [Signature] DATE: 09-09-2016 SCALE: AS SHOWN SHEET NO: C-01</p>	







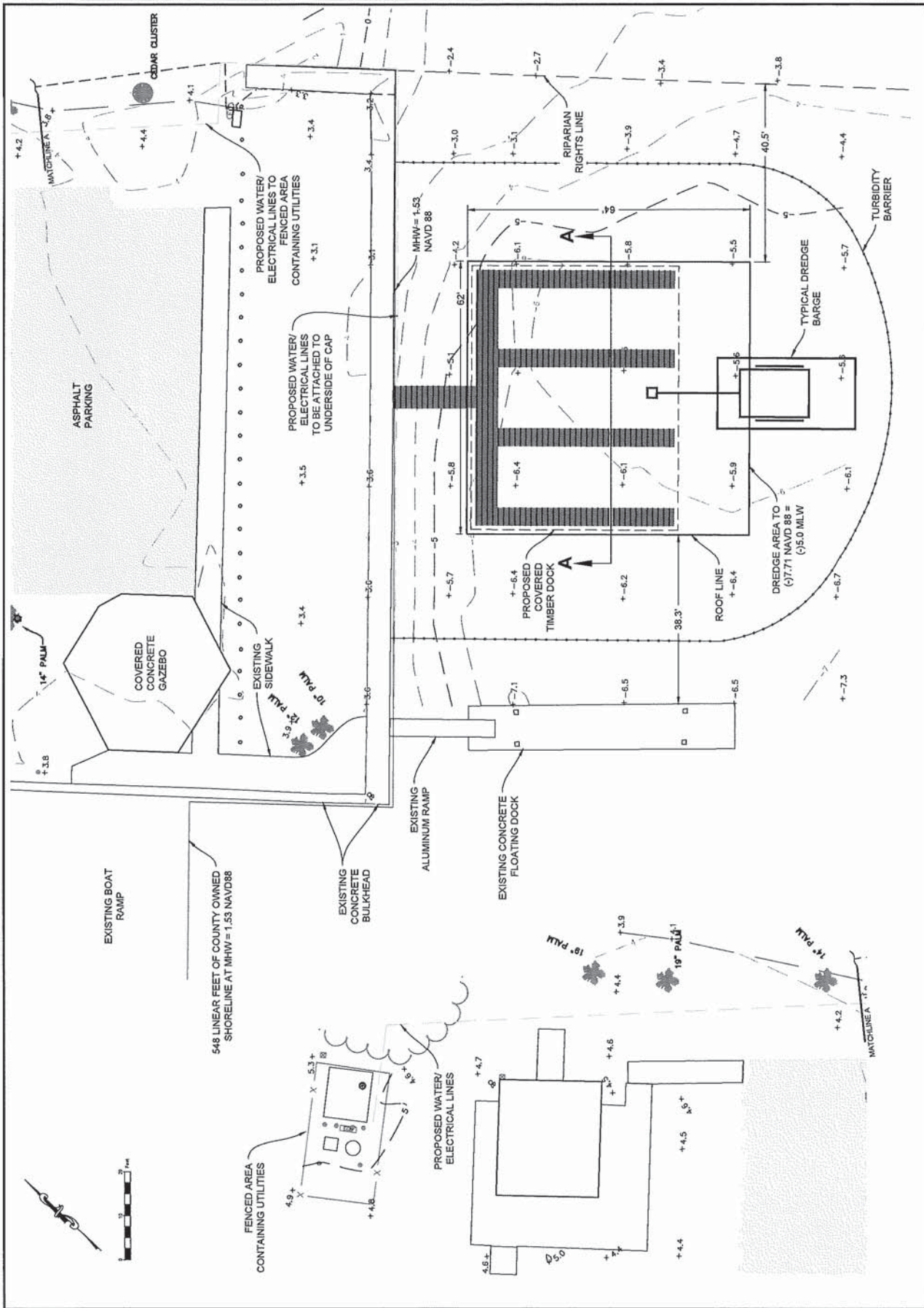
St. Johns County  
500 San Sebastian Way  
St. Augustine, FL 32084  
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Stephen J. Kuhl, Ph.D.  
LORDALICE@ISN10.67455

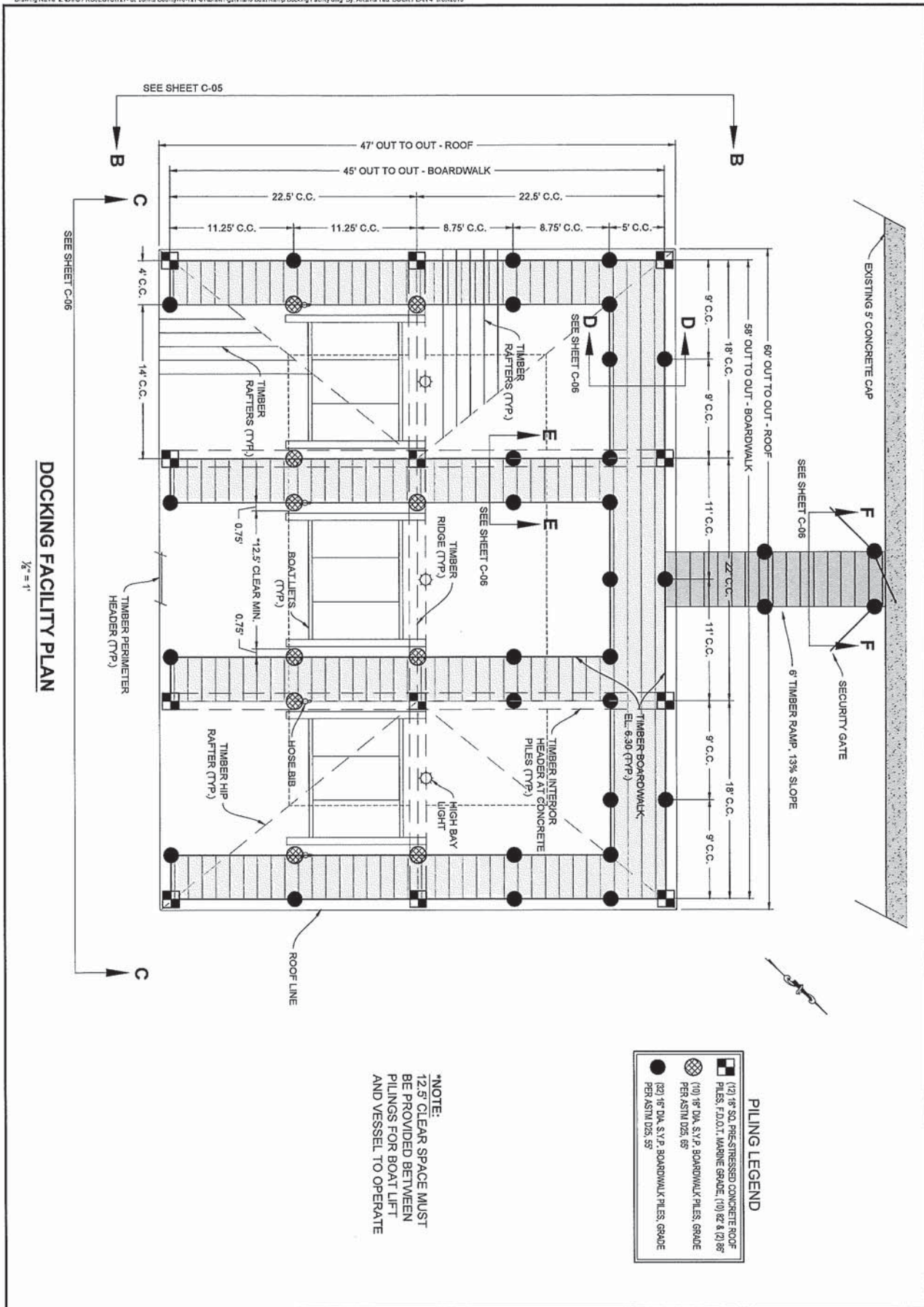
PROJECT NAME: PUBLIC SAFETY DOCKING FACILITY  
DESIGN BUILD SERVICES  
ST. JOHNS COUNTY CLIENT:

DRAWING NO.		SITE PLAN		DWG. JOB NO.	
DRAWN	AR	CAD	CJD	CHECKED	CJM
APPROVED BY		DATE 09-09-2010		C-02	
SHEET NO.		SCALE AS SHOWN			





Drawing Name: Z:\DMC\PROJECTS\127-St. Johns County\16-127-GID\Drawings\16 Boat Ramp Docking Facility.dwg By: Ariana Tava DOCK PLAN 4 6/28/2016



St. Johns County  
500 San Sebastian View  
St. Augustine, FL 32084  
(904) 209-0150

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www.dmcsc.com

Stephen J. Kuhn, P.E.  
FLORIDA LICENSE NO. 67486

PROJECT NAME:  
**PUBLIC SAFETY DOCKING FACILITY  
DESIGN BUILD SERVICES**

CLIENT:  
**ST. JOHNS COUNTY**

DRAWING: **DOCKING FACILITY PLAN**  
DMC JOB NO.  
DRAWN: AIR CAD: C30  
CHECKED: CKM SCALE: AS SHOWN  
APPROVED: SJK DATE: 09-29-2016

387  
C-04





## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	Miami-Dade County Parks, Recreation and Open Spaces Department		
<b>Department:</b>	Parks, Recreation and Open Spaces Department		
<b>Project Title:</b>	Pelican Harbor Marina Boat Ramps Parking Lot Renovations Phase II		
<b>Project Director:</b>	Enrique Gaston	<b>Title:</b>	Manager, Capital Programs
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Joyce Denny	<b>Title:</b>	Grants Specialist
<b>Mailing Address:</b>	275 NW 2nd Street		
<b>City:</b>	Miami	<b>Zip Code:</b>	33128
<b>Email Address:</b>	jdenny@miamidade.gov	<b>Phone #:</b>	305-755-7878
<b>Project Address:</b>	1275 N. E. 79th Street, Miami, FL 33138		

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

SIGNATURE: \_\_\_\_\_

  
Michael Spring, Senior Advisor to Mayor

DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less)

This project renovates the 1980s parking lot at the Pelican Harbor Marina boat ramps. This renovation reconfigures the parking scheme to create more parking spaces and to relieve the traffic back up on to the 79<sup>th</sup> Street Causeway, while adding additional lighting and drainage to the facility.

Lengthening the entrance road within the marina will alleviate traffic back-up onto the main thoroughfare. The new striping and car-bumper configuration will establish an orderly parking layout that can accommodate more and larger vehicles and deter parking on the grass. Turfblock will be used in the overflow parking section to further protect green areas. Parking lot grading will enhance water run off into the proposed new artificial drainage swales to prevent standing water in the lot that now both inconveniences boaters and creates potholes and cracks in the pavement. To improve safety and meet new lighting requirements of the Miami-Dade Building Code, the candle power in the parking lot will be increased by installing forty, 35-foot tall metal poles and cost saving LED lighting fixtures.

**ATTACHMENT E-3 - PROJECT INFORMATION 2017**

<b>Applicant:</b>	Miami Dade County Parks, Recreation and Open Spaces Dept.	<b>Project Title:</b>	Pelican Marina Boat Ramp Parking Lot Renovations Ph. II		
<b>FIND Total Project Cost: \$</b>	\$1,984,000	<b>FIND Funding Requested: \$</b>	\$992,000	<b>% of Total Cost:</b>	50%
<b>Amount and Source of Applicant's Matching Funds:</b>	\$1,148,00 is the amount of funding needed to complete the project inclusive of all costs not eligible for the FIND grant. This funding will come from Florida Boating Improvement Fund Vessel Fees Allocation Fund				

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

**3. Once completed, will this project be insured against damage?** Yes Explain:

The Parks, Recreation and Open Spaces Department's properties are covered under the County's Master Property Insurance Program. The County is self-insured for the first \$5,000,000 of property losses for most perils. Insurance coverage is maintained with independent carriers for property losses in excess of self-insured retentions. Windstorm coverage is limited to \$725,000,000 countywide with a \$200,000 self-insured retention per named storm.

**4. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**5. If yes, please list:**

See attached Addendum #1 to Attachment E-3

**6. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

There are eight boat ramp lanes, four boarding piers, and a boat ramp parking lot having 54 marked trailer spaces and five car spaces on the south side of the causeway. On the north side of the causeway are 120 wet-slips, one fuel dock, one pump out station, and one boater's amenities building providing showers, restroom, laundry and vending machine access.

**7. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

This project will remill, resurface and stripe the entrance way and parking lot to create a better traffic flow. The project will add 93 trailer and 19 car parking spaces, additional lighting and drainage swales will also be added.

**8. Are fees charged for the use of this project?** No ☐ X Yes

**9. If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

See attached Addendum # 2 to Attachment E-3 showing Miami-Dade County fees compared to other marina facilities in the area. Fee charges for parking at boat ramps are \$6.00 Friday, Saturday, Sunday and holidays and \$5.00 Monday through Thursday. Launch fees are \$16.00 on Friday, Saturday, Sunday and holidays, and are \$12.00 Monday through Thursday. An annual pass of \$176.55 regular and \$80.25 for seniors is good for all six marinas.

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	No	n/a	n/a
DEP	No	n/a	n/a
ACOE	No	n/a	n/a
COUNTY / CITY	Yes	Pending const documents	n/a



### Addendum # 1 to Attachment E-3

#### 2017 SCHEDULE OF PREVIOUS FIND GRANTS FOR PELICAN HARBOR MARINA

Year	Grant Amount	Project Cost	Project Name
2014	\$ 37,296	\$ 74,592	Pelican Island Day Dock Replacement Phase 1
2014	\$ 256,470	\$ 512,940	Pelican Marina Wetslips Frameworks Renovations
2014	\$ 60,000	\$ 167,000	Pelican Marina Boat Ramp Pk Lot Renovation Phase 1
2013	\$ 7,500	\$ 10,000	Exotic Florida Removal and Replacement Pelican Island
2012	\$ 1,200,000	\$ 2,758,000	Construction of Pelican Harbor Utilities Replacements
2010	\$ 56,000	\$ 12,000	Design of Pelican Harbor Replacement Utilities
2008	\$ 493,716	\$ 987,432	Pelican Harbor Restrooms and Boater Amenities
2006	\$ 111,000	\$ 222,000	Design of Pelican Harbor Boater's Building
2002	\$ 18,000	\$ 32,000	Pelican Harbor Fishing Pier Design
2002	\$ 25,000	\$ 50,000	Pelican Harbor Moorings Design
1992	\$ 500,000	\$ 740,000	Marine Patrol building, fuel docks, fuel tanks const.
1990	\$ 320,000	\$ 640,000	Spoil Island shelters, site furniture, wood walkways, etc.
1989	\$ 500,000.00	\$ 4,975,000	Design and construction of recreational facility
1987	\$ 750,000.00	\$ 3,300,000	Phases 1, 2 and 3 marina construction
1986	\$ 400,000.00	\$ 4,075,000	Design and construct wetslips, floating docks, etc.

**Addendum #2 to Attachment E-3**  
**2017 Miami-Dade County Wet-slips and Boat Launch Fee Survey**

<b>WETSLIP RENTAL RATES</b>	
<b>PROS MARINAS</b>	<b>Annual (Per ft/Per Day)</b>
Black Point Marina	\$14.37
Crandon Marina	\$15.51
Haulover Marina	\$16.73
Homestead Marina	\$11.86
Matheson Hammock Marina	\$15.51
Pelican Harbor Marina	\$13.08
<b>SOUTH FLORIDA PUBLIC MARINAS</b>	<b>Annual (Per ft/Per Day)</b>
City of Miami: Dinner Key Marina Miamarina at Bayside	\$19.00
City of Dania: RFP w/ Westrec	Flat rate of \$725
City of Hollywood: Hollywood Marina	\$16.50
City of Ft. Lauderdale: Cooley's Landing Marina	\$19.80
New River/Downtown Docks	\$21.60
Las Olas Marina	\$27.00
<b>SOUTH FLORIDA PRIVATE MARINAS</b>	
Keystone Point Marina Miami	\$20.25
Harbor Islands-Loggerhead (Hollywood)	\$15-\$39
Miami Beach Marina	\$31-\$40
Sealine/Sea Isle Miami	\$19.50
Waterways Loggerhead Aventura	\$22.00

<b>BOAT LAUNCH FEES</b>	
<b>PROS MARINAS</b>	<b>Launch Fees (Per use)</b>
Black Point Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
Crandon Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
Haulover Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
Homestead Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
Matheson Hammock Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
Pelican Harbor Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
<b>SOUTH FLORIDA BOAT RAMPS</b>	<b>Boat Launch Fees      Daily</b>
City of Miami Dinner Key Seminole Ramp	\$10.00 parking fee
City of Marathon      (3 ramps)	No fee
City of Hollywood	\$1.00 Pr Hr parking
City of Ft Lauderdale Cox's Landing	\$2.00 Pr Hr parking
City of Ft Lauderdale H George English Pk and Cooley's Landing	\$1.00 Pr Hr parking



**ATTACHMENT E-4  
2017  
WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**STEP 1:** All applicants will complete Attachment E-4 of the worksheet, which includes questions 1 through 6. **\*\*Do not answer with more than four sentences.\*\***

**STEP 2:** Complete **one and only one** sub-Attachment (E-4 A, B, C, D or E, questions 7-10) according to the applicant's project type.

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	<b>Pelican Harbor Marina Boat Ramps Parking Lot Renovations Ph. II</b>
<b>Applicant:</b>	<b>Miami-Dade County Parks, Recreation and Open Spaces Dept.</b>

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**1) PRIORITY LIST:**

- a) **Denote the priority list category of this project from Attachment C in the application.** (The application may only be of one type based upon the predominant cost of the project elements.)

The priority category best suited to this project is #7 Acquisition, Dredging, Shoreline Stabilization and Development of Public Boat Ramps and Launching Facilities.

- b) **Explain how the project fits this priority category.**

The project comprises renovation, expansion and improvement of the parking lot at the Pelican Marina Boat Ramp, which will add to the supply of parking spaces for the marina.

*(For reviewer only)*

Max. Available Score for application    47

Question 1. Range of Score    (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project directly relates to the ICW and the mission of the Navigation District.**

Pelican Harbor Marina is located at 25° 50' 47.53" North, 80° 09' 55.06" West and is directly accessible from the Atlantic Coastal Inland Waterway.

According to Florida's Statewide Comprehensive Outdoor Recreation Plan, outdoor recreation is a public responsibility to be met through government as a means of occupying the leisure time of its citizens. FIND's mission, in part, is to assist local government in development of waterway improvement projects such as this to improve facilities for recreational boating.

**What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

This project expands and improves the marina boat ramp parking lot. This boat ramp is located at the Pelican Harbor Marina, on the south side of the 79<sup>th</sup> Street Causeway.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

There were 15,739 boat launches from the Pelican Harbor Marina Boat Ramps in the last 12 months, based on revenue received for launch fees.

- b) Discuss the regional and local public benefits that will be provided by the project.**

This project will add 93 trailer parking spaces for a new total of 147 and will add 19 car parking spaces for a new total of 24. The traffic pattern will be changed to alleviate traffic backing up onto the causeway. Candle power in the lot will be increased by adding 35 LED light fixtures. Drainage will be aided through proper grading and the addition of drainage swales.

- c) Can residents from other counties of the District reasonably access and use the project? Explain.**

Yes, boaters from anywhere are welcome at the marina. There is no difference in availability or price charged to local boaters and boaters from outside Miami-Dade County. Ten percent of dockage space is always available for transient boaters.

*(For reviewer only)*  
*(1-8 points)*



---

**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The project is now in the construction document phase. Planning is expected to be completed by May 2017, at which time we will pursue the consent of DERM. DERM accord is expected to be received before September 2017.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

There is a small portion of land within the marina property that is now owned by Florida Department of Transportation (FDOT). It will be deeded to Miami-Dade County before the project begins. Although FDOT has participated in the project design and is willing to convey the property, delayed receipt of the conveyance agreement could influence the timeline. The project implementation will be scheduled to allow continued public access to the ramps throughout the construction period.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

Florida Boating Improvement Program Vessel Fees Allocation Program funding of \$1,148,000 has been set aside for the project. This amount is sufficient to cover the FIND grant required match plus all project costs that are not eligible for FIND reimbursement.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

Although all materials are subject to price increases, none are expected within the proposed grant period.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

The use of concrete for sidewalks lengthens their design life. The use of LED lighting fixtures reduces the cost of electricity. Provisions for better drainage will reduce standing water and thereby prolong the life of the asphalt.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

See attached Addendum#2 to Attachment E-3.

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

This project improves and increases capacity of an existing facility. This project implements the existing Master Plan for the site. According to Florida's Statewide Comprehensive Outdoor Recreation Plan, 26% of residents in the Southern region of Florida utilize saltwater boat ramps at least annually. Public boat ramps and associated parking are in short supply in Miami-Dade, but adding new facilities is hindered by increased private development on waterfront property. Although this project does not create a new facility it does substantially expand capacity and improve an existing centrally located one.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

Routine maintenance of marinas and coastal parks is performed by the marina maintenance staff of four full-time and four part-time technicians paid from the annual budget of coastal parks and marinas. Funding for capital improvements comes from the Coastal Park and Marina Trust Fund. Net operating revenues are contributed to the Trust Fund. The legislation establishing the Trust is attached in Addendum # 1 to Attachment E-4. A Statement of Revenue and Expenses covering the last five years for Pelican Harbor Marina is attached in Addendum # 2 to Attachment E-4.

- c) Will the program result in significant and lasting benefits? Explain.**

The design life of the renovated parking lot is expected to be at least 25 years.

- d) Please describe any environmental benefits associated with this project.**

Because the parking lot striping has faded and because there are an insufficient number of spaces, users park randomly, including on the green areas causing damage. By adding spaces, proscribing the boundaries of the spaces and using turf block in grassy areas, damages will be lessened or eliminated and capacity will be increased.

*(For reviewer only)*  
*(1-7 points)*

SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

---

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? If permits are NOT required, explain why not.**

This project only requires DERM review and approval which will be sought as soon as construction documents are completed. DERM has been a partner throughout the project planning phase.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work. Please provide a general cost estimate for the future Phase II work.**

This is a Phase II project

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

None are expected as this project only requires DERM review and approval.

*(For reviewer only)  
(1-4 points)*

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**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

This is a Phase II project. The project is currently in the construction documentation phase.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

Lengthening the entrance road within the marina will alleviate traffic backups onto the main thoroughfare. The new layout adds more parking spaces to allow more boaters to access the ramps. The use of LED lights will reduce operating costs and enhance safety. Use of turf block will prevent soil erosion when users park on unpaved areas for overflow parking. Improving drainage to the site will prevent standing water which improves convenience to boaters and extends the life of the pavement.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

Re-grading and installation of artificial drainage swales will improve drainage. Turf block will be used to protect unpaved areas when they are used for overflow parking.

- b) **How are the utilized construction techniques appropriate for the project site?**

Nothing unusual is planned at this site.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

No unusual techniques are planned.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

The parking lot will be paved with asphalt which has a design life of 25 years. The use of concrete for the parking lot was not contemplated because the added value does not justify the expense. Regrading and adding drainage swales is less expensive than installing catch basins and is expected to last at least 25 years. Purchasing LED lights is initially much more expensive, but the savings in operating costs produce a short time to break even; their design life is 25 years. Sidewalks will be made of concrete because they require much less material than the parking lot surface.

- b) Identify any unique construction materials that may significantly alter the project costs.**

No unique materials are planned.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

## ATTACHMENT E-5

FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017

## PROJECT COST ESTIMATE

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

<b>Project Title:</b>	<b>Pelican Harbor Marina Boat Ramp Parking Lot Renovations Ph. II</b>
<b>Applicant:</b>	<b>Miami-Dade County Parks, Recreation and Open Spaces Department</b>

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <b>(Number and/or Footage etc.)</b>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
<b>Contractor to:</b>			
<b>Renovate/regrade and restripe parking lot and install curbing and turfblock</b>	<b>\$1,206,400</b>	<b>\$603,200</b>	<b>\$603,200</b>
<b>Install and electrify 35 LED light poles and fixtures</b>	<b>\$305,600</b>	<b>\$152,800</b>	<b>\$152,800</b>
<b>Close present entrance and reconfigure road to create entrance/exit on east side of parking</b>	<b>\$472,000</b>	<b>\$236,000</b>	<b>\$236,000</b>

<b>**TOTALS =</b>	<b>\$1,984,000</b>	<b>\$992,000</b>	<b>\$992,000</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

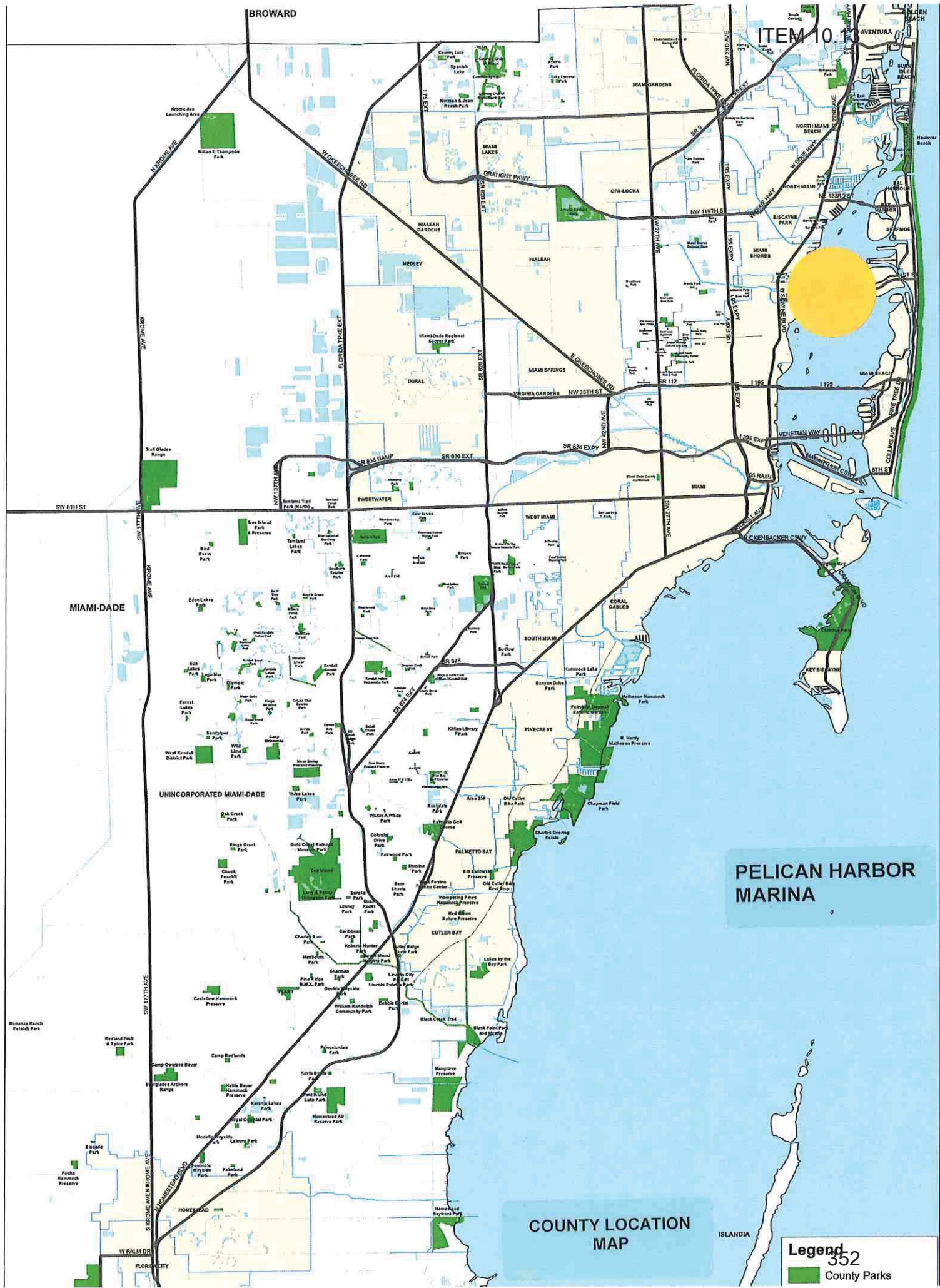
**PROJECT TIMELINE**

<b>Project Title:</b>	<b>Pelican Harbor Marina Boat Ramp Parking Lot Renovations Ph. II</b>
<b>Applicant:</b>	<b>Miami-Dade County Parks, Recreation and Open Spaces Department</b>

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

TASK	COMMENCES	CONCLUDES
Bid and Award	1-10-18	5-30-18
Construction	6-5-18	7-30-19
Final Checklist	8-1-19	9-1-19



PELICAN HARBOR MARINA

COUNTY LOCATION MAP

Legend  
352  
County Parks





Park and Recreation Department

## Pelican Harbor Marina

### Project Boundary Map

al









## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	Miami-Dade County Parks, Recreation and Open Spaces Department		
<b>Department:</b>	Parks, Recreation and Open Spaces Department		
<b>Project Title:</b>	Haulover Marina Wet-slips Electrical Upgrades		
<b>Project Director:</b>	Enrique Gaston	<b>Title:</b>	Manager of Capital Projects
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Joyce Denny	<b>Title:</b>	Grants Specialist
<b>Mailing Address:</b>	275 NW 2nd Street		
<b>City:</b>	Miami	<b>Zip Code:</b>	33128
<b>Email Address:</b>	jdenny@miamidade.gov	<b>Phone #:</b>	305-755-7878
<b>Project Address:</b>	10800 Collins Avenue, Miami Beach, FL 33154		

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

SIGNATURE: \_\_\_\_\_

  
Michael Spring, Senior Advisor, Office of the Mayor

DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

This proposed grant project will increase electrical service for boaters at Haulover Marina. It will design and construct 100 amperage electrical pedestals equipped with usage meters to replace the present 50 amperage, non-metered service. These 25 pedestals will be located at 50 foot intervals (as they are currently) along Piers A and F, which are the breakwater piers. The demand for dockage along piers A and F has shifted to larger boats (60 feet and over) that require higher electrical power. Piers A and F are the only locations in the marina that are configured to accommodate larger vessels and thus the only locations needing upgraded pedestals. Many users on Piers A & F are forced to use connections to two pedestals to recruit sufficient amperage. Adding electrical usage meters to the pedestals will oblige boaters to pay for exactly the electricity they use, which will be more equitable.

Dockage on the inside of the piers is utilized for annual rentals while the outside locations are reserved for transient users. Most years, all of the 135 annually contracted wet-slips in the marina are filled to 100% capacity and there are 37 boaters on a waiting list of only boats over 60 feet. Transient spaces along Piers A & F are also usually occupied.

**ATTACHMENT E-3 - PROJECT INFORMATION 2016**

<b>Applicant:</b>	Miami-Dade County Parks Recreation and Open Spaces Dept.	<b>Project Title:</b>	Haulover Marina Wet-slips Electrical Upgrades		
<b>Total FIND Project Cost: \$</b>	\$623,637	<b>FIND Funding Requested: \$</b>	\$311,819	<b>% of Total Cost:</b>	50%
<b>Amount and Source of Applicant's Matching Funds:</b>	\$362,219, an amount which is sufficient to cover the balance of the costs of the project over and above the grant (including project costs not eligible under FIND rules), will come from the Miami-Dade County Building Better Communities General Obligation Bond Program				

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

**3. Once completed, will this project be insured against damage? Explain**

Yes. The Parks, Recreation and Open Spaces Department's properties are covered under the County's Master Property Insurance Program. The County is self-insured for the first \$5,000,000 of property loss for most perils. Insurance coverage is maintained with independent carriers for property losses in excess of self-insured retentions. Windstorm coverage is limited to \$725,000,000 countywide with a \$200,000 self-insured retention per named storm.

**4. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**5. If yes, please list:**

See attached Addendum to Attachment E-3.

**6. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

The marina comprises 147 wet-slips, nine boat ramp lanes, five boat ramp piers, 174 paved parking spaces 74 grassy spaces for boat ramp users, and a boater's amenities building providing laundry, vending machines, restrooms and showers. There are 21 slips for charter boats and one commercial tour boat dock. Westrec Marinas, a County lessee, has just opened a new dry storage facility for 508 boats at the northern end of the park.

**7. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

This project does not add additional boater facilities. It does, however, improve access by providing 100 amperes of electrical service to accommodate the needs of larger boats.

**8. Are fees charged for the use of this project?** No ☐ Yes ☒

**9. If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

Please see attached Addendum # 2 to Attachment E-3

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	No	N/A	N/A
DEP	No	N/A	N/A
ACOE	No	N/A	N/A
COUNTY / CITY	No	N/A	N/A



**Addendum # 1 to Attachment E-3**
**2017 SCHEDULE OF PREVIOUS FIND GRANTS FOR HAULOVER MARINA**

Year	Grant Amount	Project Cost	Project Name
1995	\$ 60,000	\$ 120,000	Haulover Park Marina Renovation Design
1999	\$ 148,250	\$ 296,500	Haulover Marina Expansion Design
1999	\$ 183,750	\$ 367,500	Haulover Marina Ramp Renovations
2001	\$ 1,400,000	\$ 2,800,000	Haulover Park Marina Renovations
2004	\$ 1,134,243	\$ 4,112,393	Haulover Marina Breakwater Completion
2005	\$ 1,134,000	\$ 4,882,000	Haulover Marina Dredging, Seawall etc.

**Addendum #2 to Attachment E-3**  
**2017 Miami-Dade County Wet-slips and Boat Launch Fee Survey**

<b>WETSLIP RENTAL RATES</b>	
<b>PROS MARINAS</b>	<b>Annual (Per ft/Per Day)</b>
Black Point Marina	\$14.37
Crandon Marina	\$15.51
Haulover Marina	\$16.73
Homestead Marina	\$11.86
Matheson Hammock Marina	\$15.51
Pelican Harbor Marina	\$13.08
<b>SOUTH FLORIDA PUBLIC MARINAS</b>	<b>Annual (Per ft/Per Day)</b>
City of Miami: Dinner Key Marina Miamarina at Bayside	\$19.00
City of Dania: RFP w/ Westrec	Flat rate of \$725
City of Hollywood: Hollywood Marina	\$16.50
City of Ft. Lauderdale: Cooley's Landing Marina	\$19.80
New River/Downtown Docks	\$21.60
Las Olas Marina	\$27.00
<b>SOUTH FLORIDA PRIVATE MARINAS</b>	
Keystone Point Marina Miami	\$20.25
Harbor Islands-Loggerhead (Hollywood)	\$15-\$39
Miami Beach Marina	\$31-\$40
Sealine/Sea Isle Miami	\$19.50
Waterways Loggerhead Aventura	\$22.00

<b>BOAT LAUNCH FEES</b>	
<b>PROS MARINAS</b>	<b>Launch Fees (Per use)</b>
Black Point Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
Crandon Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
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Homestead Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
Matheson Hammock Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
Pelican Harbor Marina	\$12.00 Mon-Thurs \$16.00 Fri-Sun & Holidays
<b>SOUTH FLORIDA BOAT RAMPS</b>	<b>Boat Launch Fees      Daily</b>
City of Miami Dinner Key Seminole Ramp	\$10.00 parking fee
City of Marathon (3 ramps)	No fee
City of Hollywood	\$1.00 Pr Hr parking
City of Ft Lauderdale Cox's Landing	\$2.00 Pr Hr parking
City of Ft Lauderdale H George English Pk and Cooley's Landing	\$1.00 Pr Hr parking



## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**STEP 1:** All applicants will complete Attachment E-4 of the worksheet, which includes questions 1 through 6. **\*\*Do not answer with more than four sentences.\*\***

**STEP 2:** Complete **one and only one sub-Attachment** (E-4 A, B, C, D or E, questions 7-10) according to the applicant's project type.

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Haulover Marina Wet-slips Electrical Upgrades
<b>Applicant:</b>	Miami-Dade County Parks, Recreation and Open Spaces Department

---

**1) PRIORITY LIST:**

- a) **Denote the priority list category of this project from Attachment C in the application.** (The application may only be of one type based upon the predominant cost of the project elements.)

This project best fits Category 8: Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities.

- b) **Explain how the project fits this priority category.**

The project renovates and improves electrical service to existing wet slips facilities, including transient facilities.

*(For reviewer only)*

Max. Available Score for application    47

Question 1. Range of Score    (1 to 5 points)

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## 2) WATERWAY RELATIONSHIP:

- a) **Explain how the project directly relates to the ICW and the mission of the Navigation District.**

Haulover Marina is located at 25° 54' 24.16" N 80° 07' 89" W; it is accessible from the Atlantic Coastal Inland Waterway.

According to Florida's Statewide Comprehensive Outdoor Recreation Plan, outdoor recreation is a public responsibility to be met through government as a means of occupying the leisure time of its citizens. FIND's mission, in part, is to assist Miami-Dade County government in development of waterways improvement projects such as this project at Haulover Park Marina, which improves public recreational boating facilities.

- b) **What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

This project does not add new facilities, but it upgrades the present electrical service provided for larger vessels having higher amperage needs.

*(For reviewer only)*  
*(1-6 points)*

---

## 3) PUBLIC USAGE & BENEFITS:

- a) **How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

Marina records reflect usage of the marina through monthly slips rentals, transient rentals and boat ramp fees paid. During our fiscal year 2015-16, recreational wet-slip occupancy at this marina averaged 100% and commercial occupancy averaged 99%. Currently, there are 37 boaters on the waiting list of over 60 foot vessels for dockage at Haulover Marina. There were 2,446 days of transient use here in the last fiscal year. For that same period there were also 14,435 boat ramp launches.

- b) **Discuss the regional and local public benefits that will be provided by the project.**

Recreational boating is hugely popular in Miami-Dade County. In 2015 recreational boat vessel registrations in Miami-Dade County numbered 62,284 and 40,944 in neighboring Broward County. This public marina, located in the northern part of the County, is strategically located for use by residents of Broward as well as Miami-Dade. Increasing the amperage of the electrical service for wet slip users at this marina enhances its usefulness to the public.

- c) **Can residents from other counties of the District reasonably access and use the project? Explain.**

Yes, residents from anywhere are welcome to use this facility, and they will not pay any more than residents of Miami-Dade County.

*For reviewer only)*  
*(1-8 points)*



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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Detailed planning has not yet begun. It will be part of this project. The design and permit phase is estimated to begin in January, 2018 and conclude about September 2018. The project includes bidding and award of the construction contract as well as the actual construction work. Construction is expected to conclude July 2019.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

Nothing unique is currently known that would extend the project beyond the anticipated schedule.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

Funds in an amount sufficient to complete this project, \$362,219, will come from the Florida Boating Improvement Fund Vessel Fees Allocation Fund.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

Nothing is currently known that would increase the cost of the project.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

This will not be known until after the project design is completed. Detailed design will begin after commencement of the proposed grant.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

Please see attached Addendum #2 to Attachment E-3, which is a survey of rates of competing marinas and boat ramps in Miami-Dade County and vicinity.

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

This marina is included in the Parks, Recreation Open Spaces Master Plan. It is situated in the northern part of the County which makes it convenient for both Miami-Dade and Broward boaters. This project addresses the electrical needs of larger boats which are becoming a greater proportion of local and transient users.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

Routine maintenance of marinas and coastal parks is performed by four full-time and 4 part-time technicians paid from the annual budget of coastal parks and marinas. Funding for capital improvements of coastal park and marinas comes from the Coastal Park and Marina Trust Fund. Net operating revenues are contributed to the Trust Fund. The legislation establishing the Trust is attached in Addendum #1 to Attachment E-4. A Statement of Revenue and Expenditures of the last 5 years for Haulover Marina is attached in Addendum #2 to Attachment E-4.

- c) Will the program result in significant and lasting benefits? Explain.**

These improvements are estimated to last 20 to 25 years.

- d) Please describe any environmental benefits associated with this project.**

This project is only envisioned to involve replacing electrical pedestals, and is therefore presumed to be environmentally neutral.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25  
Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

---

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? If permits are NOT required, explain why not.**

This renovation project is not expected to need environmental permits as it solely upgrades existing electrical service at the wet-slips.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work. Please provide a general cost estimate for the future Phase II work.**

This project does include detailed design and permitting (if needed). A staff or consultant electrical engineer will be involved in the detailed design phase. The estimated FIND project cost for both phases of work is \$623,637.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

No potential impediments have been identified, detailed design has not yet begun.

*(For reviewer only)  
(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

The preliminary design retains the present electrical pedestal placement. No detailed design work has yet begun.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The purpose of the project is to enhance usage of this marina for larger boats requiring higher electrical amperage. No construction elements have yet been identified, because design has not been completed.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

Construction techniques will be identified in the planning process which is part of this project.

- b) **How are the utilized construction techniques appropriate for the project site?**

This project is envisioned to utilize only standard practices for this type of renovation.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

Although design has not begun, it is unlikely that there will be anything unusual about this project that will affect costs.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Specific materials have not yet been identified, but to make this renovation cost effective, all efforts will be made to produce a facility that will last 20 to 25 years.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

Construction materials have not yet been identified, but it is unlikely anything unusual will be recommended.

*(For reviewer only)*  
*(1-3 points)*

---

**RATING POINT**  
**TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

## ATTACHMENT E-5

FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2016

## PROJECT COST ESTIMATE

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

<b>Project Title:</b>	Haulover Marina Wet-slips Electrical Upgrades
<b>Applicant:</b>	Miami Dade County Parks, Recreation and Open Spaces Department

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Contractor to create, design then demolish existing 50 amp electrical service pedestals and replace with 100 amp service, and individual electrical usage meters at the wet-slips on docks A and F	\$623,637	\$362,219	\$362,219

<b>**TOTALS =</b>	<b>\$623,637</b>	<b>\$311,819</b>	<b>\$311,819</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2016**

**PROJECT TIMELINE**

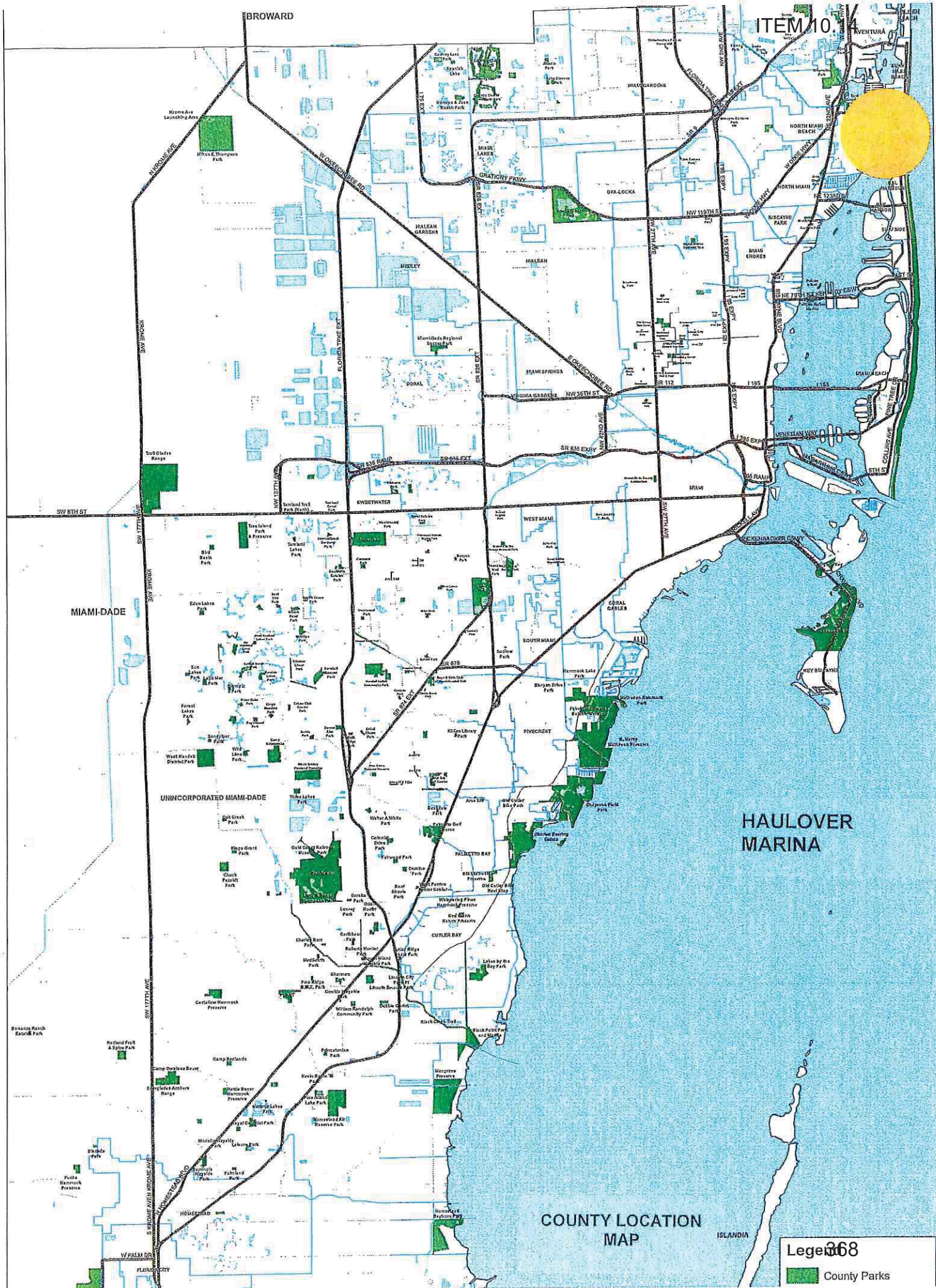
<b>Project Title:</b>	<b>Haulover Marina Wet-slips Electrical Upgrades</b>
<b>Applicant:</b>	<b>Miami-Dade County Parks, Recreation and Open Spaces Department</b>

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

<b>TASK</b>	<b>COMMENCES</b>	<b>CONCLUDES</b>
Design and Permit	1-10-18	9-1-18
Bid and Award	9-1-18	11-1-18
Construction	11-1-18	7-1-19





ITEM 10.14

COUNTY LOCATION  
MAP

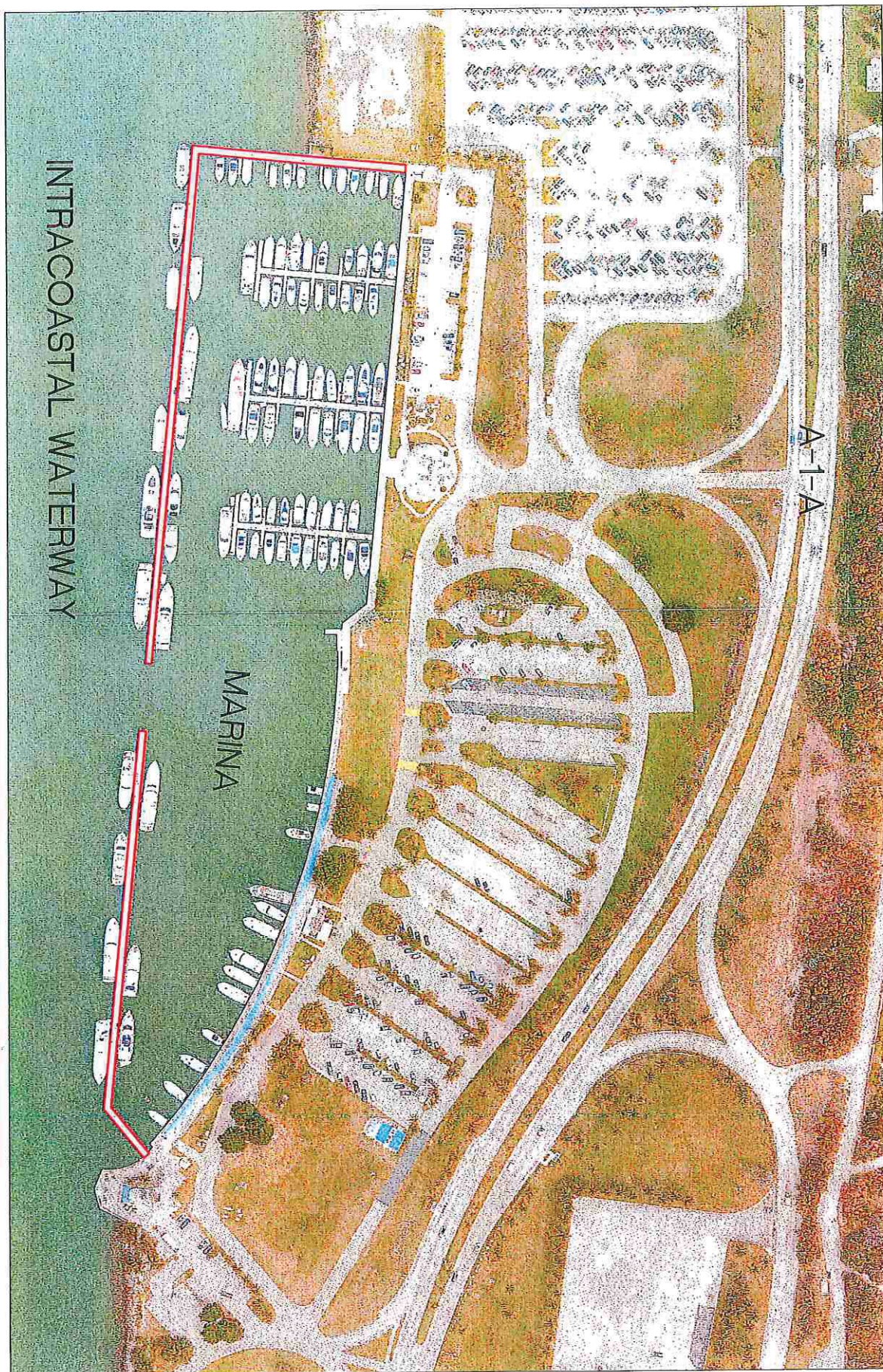
Legend  
County Parks



# HAULOVER PARK BOUNDARY MAP







HAULOVER PARK MARINA

SITE PLAN



## ATTACHMENT E-2

WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION — PROJECT SUMMARY

<b>APPLICANT INFORMATION</b>			
Applicant:	City of North Miami Beach		
Department:	Police Department		
Project Title:	Law Enforcement Patrol Boat		
Project Director:	Harvette Smith	Title:	Officer
Project Liaison: <small>(if different from Project Director)</small>		Title:	
Mailing Address:	16901 NE 19th Avenue		
City:	North Miami Beach	Zip Code:	33162
Email Address:	<a href="mailto:harvette.smith@nmbpd.org">harvette.smith@nmbpd.org</a>	Phone #:	305-948-2984
Project Address:	16901 NE 19th Avenue		

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

SIGNATURE:  DATE: 3/31/2017

PROJECT NARRATIVE (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of North Miami Beach is applying for a FIND grant for the purpose of purchasing a marine patrol vessel that will be used for police enforcement on the ICW and up several canals that connect to it. The North Miami Beach Police marine patrol unit is currently comprised of 5 certified marine patrol operators and one supervisor. The unit currently has 2 vessels, a 2001 22 foot Nautica and a 2001 17 foot logic. Both of these vessels are now older units and are constantly under repair or being serviced which causes major challenges in maintaining overall public marine safety.

This grant will allow NMB to purchase a new vessel, a 24 foot Brunswick, 750 Impact. With this boat, the NMB marine patrol will increase patrol from 30 to at least 60 operations per year. We would participate in drug interdictions operations with the US Coast Guard, Miami-Dade Police and Department of Homeland Security. We will patrol during high boating dates such as Memorial Day, Labor Day, July 4th, and during the summer. In addition we will bring back several boating safety programs: WET, Operation Safety Seal, and boating safety courses along with Coast Guard.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of North Miami Beach	<b>Project Title:</b>	Law Enforcement Patrol Boat		
<b>Total Project Cost: \$</b>	126,197	<b>FIND Funding Requested: \$</b>	60,000	<b>% of Total Cost:</b>	48%
<b>Amount and Source of Applicant's Matching Funds:</b>	North Miami Beach, Law Enforcement Trust Fund (LETf)				

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

The boat will be housed at our marina, which is owned by the city.

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☐ No: ☒

**4. If yes, please list:**

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):** +

Not Applicable

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

Not Applicable

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	N/A		
DEP	N/A		
ACOE	N/A		
COUNTY / CITY	N/A		



**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Law Enforcement Patrol Boat
<b>Applicant:</b>	City of North Miami Beach

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

#14 Waterway boating safety programs & equipment

- b) Explain how the project fits this priority category.**

North Miami Beach owns 2 vessels, both from 2001, that are constantly under repair or being serviced which cause serious difficulty in maintaining overall public marine safety. With the new boat, we will double our patrols and re-start several dormant boating safety programs.

*(For reviewer only)*

Max. Available Score for application    44

Question 1. Range of Score    (1 to 2 points)

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**2) WATERWAY RELATIONSHIP:****a) Explain how the project relates to the ICW and the mission of the Navigation District.**

With 4.9 miles of ICW that we patrol and another 32.3 of canals, we are vulnerable to speeders that can harm manatees and other boaters. Additionally, a large contingent of water-skiers and kayakers are at risk without proper enforcement, education on being safe on the water.

**b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

This vessel will allow us to provide consistent marine patrols, including answering emergency calls and mutual-aid assistance calls. For example, in the past we have helped stranded boaters by either calling for a tow or making the area visible to others.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:****a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

While the vessel is for Police use, with it we will be able to re-start our partnership with the Coast Guard that provides boater safety instruction on the water. We expect to help train 20 boaters in the first year.

**b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The first benefit would be increased ICW safety by increased patrols. Also, we will be able to provide emergency response to boaters and assist other agencies as needed. Additionally, boaters travelling from other counties on the ICW will see better enforcement of laws due to the 520 hours of patrol this boat will allow us (was 240 hours in 2016).

**c) Are there any restrictions placed on commercial access or use of this site?**

This vessel will be strictly for law enforcement use and transport of residents that have been in a boating mishap. There will be no commercial use of the vessel.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Received quote for vessel from authorized dealer (Brunswick), with a government rate.

After receiving funding, we will purchase vessel within 60 days. Boat would be delivered within 5 months and put into use by May 2018.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

Only if FIND funding is not available. As soon as it is available, we intend to order the vessel.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

North Miami Beach's Law Enforcement Trust Fund which has the requisite match of \$62,197.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

We have already received a quote from Brunswick Commercial and Government Products, Inc. which is government authorized and have verified with them that quote will be valid for the remainder of 2017.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

Utilization of Government pricing and utilization of public dock for the boat.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

Not Applicable

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Water safety is a huge concern in our area due to the large number of boaters, jet skiers and others on the water. Additionally, all our waterways are Manatee Zones and increased patrols would help protect these creatures. Personal rescue of stranded boaters is crucial due to the amount of inexperienced boaters. The boat purchase is listed in our Capital Plan.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

With over 1,000 hours on our current boats' engines, the boats are in constant need of servicing beyond normal maintenance. The new vessel will undergo timely preventive maintenance. We have a contract with TNT Custom Marine that will maintain and repair boats as necessary in order to keep them for a long time.

- c) Will the program result in significant and lasting benefits? Explain.**

With proper care and maintenance, the boat should last us 15 years. Some of the concerns with the current boat is that it is an inflatable and has issues with the tubes. This new boat has a foam-filled collar so there should not be any leaks. Also, this boat will have higher gunnels, unlike our other boat which had no sides, but only the inflatables. The collar will also help in boarding of other vessels, especially when only one officer is on the boat.

- d) Please describe any environmental benefits associated with this project.**

Because of our relationship with FIU Marine Biology Department, we would often assist in the rescue of marine animals. Also, many of our citations were to speeders in manatee zones, acquiring this vessel will help us enforce the law. In the past, we have saved injured pelicans and have helped keep boaters off of seagrass beds and in proper channels.

*(For reviewer only)*  
*(1-7 points)*

SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4C  
LAW ENFORCEMENT & BOATING SAFETY PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A LAW  
ENFORCEMENT OR BOATING SAFETY PROJECT

**7) VIABILITY:**

- c) Describe how the project will address particular public health, safety, or welfare issues of the Navigation District's Waterways.**

Getting this funding will specifically help us patrol during high boating dates such as Memorial Day, Labor Day, July 4th, and during the summer. We would also implement several marine related programs such as: WET (Water Education and Training), Operation Safety Seal, and boating safety courses in conjunction with the Coast Guard.

- d) How does the project provide significant benefits or enhancements to the District's Waterways?**

In partnership with the Coast Guard and other law enforcement agencies, with this boat we can participate in Search & Rescue operations and drug interdictions. There are also several very popular tourist and boating locations in and around our city that generate thousands of people to come into the area every year, that we will now be able to regularly patrol. We expect to provide assistance to capsized boats, distressed kayakers caught in currents, assist with wildlife rehabilitation, and help catch burglars that stake out waterfront properties.

*(For reviewer only)  
(1-3 points)*

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## 8) EXPERIENCE & QUALIFICATIONS:

- a) **List the personnel tasked with the implementation of this project, their qualifications, previous training and experience.**

Sgt. Alex Morales, who has 23 years at NMB Police Department. Sgt. Morales is a certified boat captain through the US Coast Guard. He is the Marine patrol supervisor with 5 certified marine patrol operators reporting to him. He has been with the marine unit for over 10 years.

- b) **Have the personnel participated in or received state marine law enforcement training?**

Yes, personnel have participated in or received basic seaman ship certificate through US Coast Guard Instructor with US Coast Guard Auxiliary. US customs agent (cross certified) for marine and dive operations. Marine field training officer Course taken. Tactical marine course Marine law enforcement courses. Basic and advanced Fisheries course through FWC. Derelict vessel training (proper documentation and removal).

*(For reviewer only)*  
*(1-2 points)*

---

## 9) DELIVERABLES:

- a) **Describe the anticipated, long-term measurable results of implementing this project.**

In the past, we saw a decrease in jet-ski accidents when we had more people out on the water. Additionally, as a result of an increase in patrolling, speeding will be greatly reduced. Also, the reinstatement of marine safety courses will result in an increase in boater safety.

- b) **What is the range or area of coverage for this project? Please provide a map of the coverage area.**

The range would be water boundary of North Miami Beach, to include canals and area north to Sunny Isles and south to the southernmost point of FIU Biscayne Campus. See Area of Responsibility map.

- c) **Does the project fulfill a particular community need?**

Specifically, we have been asked for assistance with high-speed boating and jet-skiers that are often in near-misses and some accidents. The extra patrols and enforcement will also help lower incidences of DUI. Also, will help us implement boater safety programs.

*(For reviewer only)*  
*(1-4 points)*

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**10) EDUCATION:****a) What are the educational benefits (if any) of this proposed project?**

We would implement several boating safety programs - taught in class or on the water. Also, NMB will provide boating safety education courses in conjunction with the US Coast Guard Auxiliary. This course will be taught by Auxiliary and NMB Marine Patrol officer. Upon completion of the course, the civilian marine boater will receive a basic seamanship certificate.

**b) How does the project or program provide effective public boating education or expand boater safety?**

A boat manual will be part of the training, but the majority of training will be hands-on. The course will be delivered by the NMB Marine Unit and Coast Guard instructors to provide basic seaman skills. NMB will also ensure that boating educational skills are used effectively on the water.

*(For reviewer only)*  
*(1 -3 points)*

---

**RATING POINT****TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Law Enforcement Patrol Boat
<b>Applicant:</b>	City of North Miami Beach

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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December 1st, 2017 - Boat ordered from Brunswick

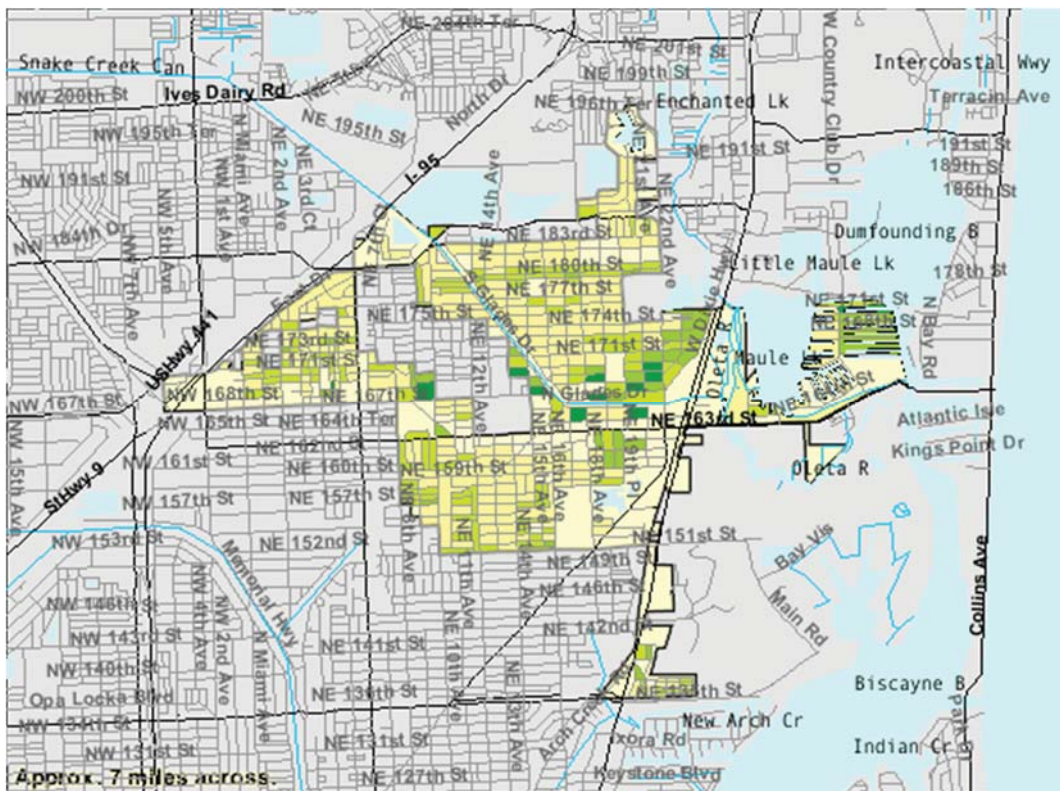
May 1st, 2018 - Boat delivered to North Miami Beach, with decals and equipment already installed

May 2nd, 2018 - Boat operational and ready to patrol

## County/City Location Map



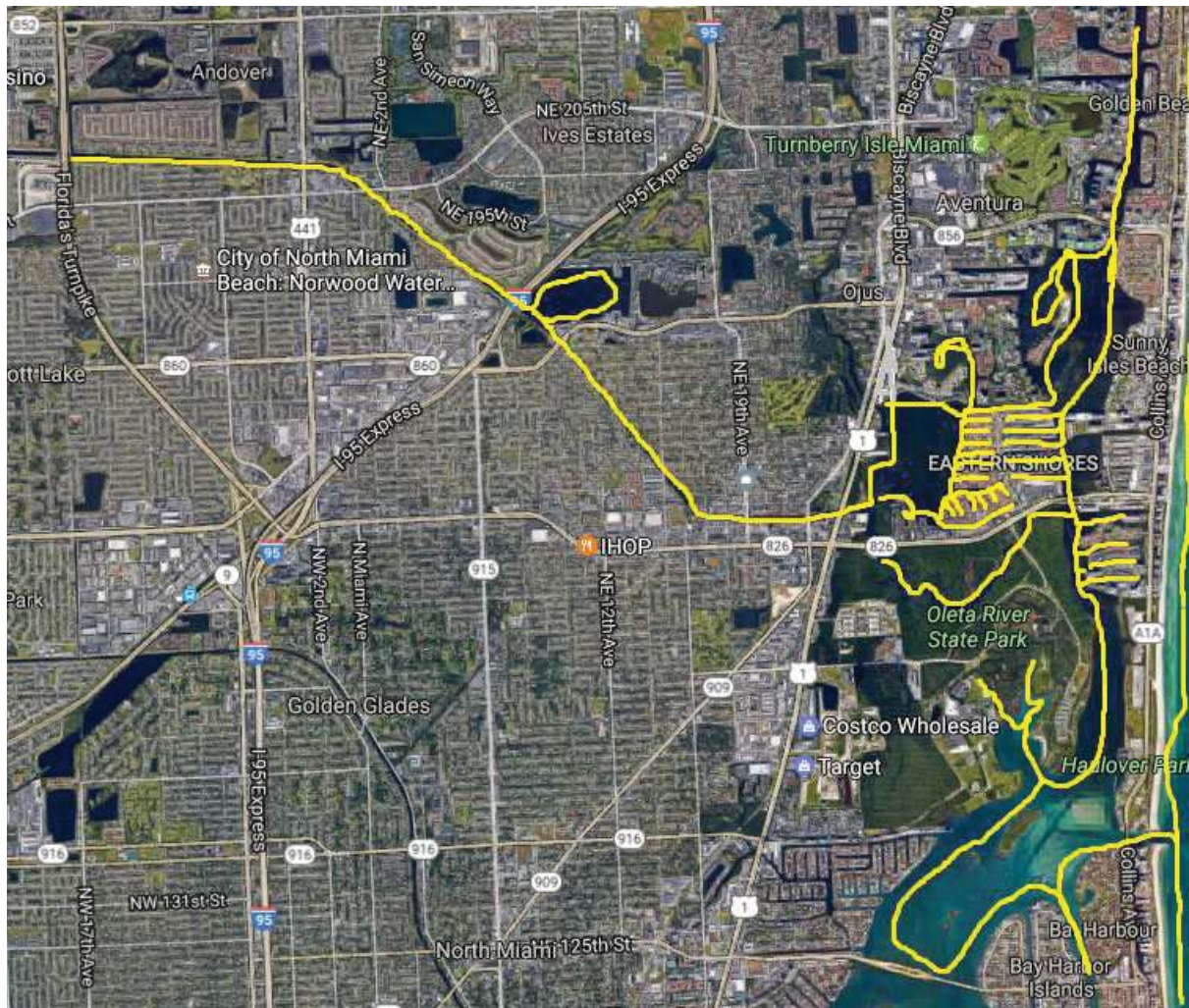
Miami Dade County (in red) above



City of North Miami Beach (in green and yellow) above



## City of North Miami Beach



**North Miami Beach PD Area of Responsibility (yellow lines)**





## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

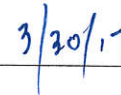
<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Miami		
<b>Department:</b>	Office of Capital Improvements		
<b>Project Title:</b>	Virginia Key Nature Center - Phase 2 - Seawall, Floating Dock & Kayak Launch		
<b>Project Director:</b>	Sandra Vega	<b>Title:</b>	Project Manager
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Lillian Blondet	<b>Title:</b>	Director, Grants Administration
<b>Mailing Address:</b>	444 SW 2nd Avenue, 5th Floor		
<b>City:</b>	Miami	<b>Zip Code:</b>	33130
<b>Email Address:</b>	lblondet@miamigov.com	<b>Phone #:</b>	305-416-1536
<b>Project Address:</b>	3801 Rickenbacker Causeway on Arthur Lamb Jr. Rd, Miami, FL		

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

SIGNATURE: \_\_\_\_\_



DATE: \_\_\_\_\_



**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of Miami seeks funding in the amount of \$1,230,869 from the Florida Inland Navigation District (FIND) for the Virginia Key Nature Center - Phase 2 - Seawall, Floating Dock and Kayak Launch project. The total cost of the installation project is \$2,769,380. This request of \$1,230,869 in FIND grant funds is needed to match resources from the Office of Capital Improvements project B-40584

The scope of work for the project includes the construction of a new seawall, kayak launch ramp, kayak storage area and replacement of the existing dock at Virginia Key Nature Center, with a floating dock. In addition, the scope of work includes the construction of a new waterfront walkway, construction of new picnic shelters, new drainage, and new lighting and utility water connection for hose bib at the kayak ramp areas. The project site is nearby to the ICW, making the area convenient for the public for recreational boat and kayak use.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Miami		<b>Project Title:</b>	Virginia Key Nature Center - Phase 2 - Se	
<b>Total Project Cost: \$</b>	\$2,769,380	<b>FIND Funding Requested: \$</b>	\$1,230,869	<b>% of Total Cost:</b>	50% (eligible)
<b>Amount and Source of Applicant's Matching Funds:</b>	The amount of this request is \$1,230,869. The City is allocating matching funds for the Construction of Virginia Key Nature Center seawall, floating dock and kayak launch (Phase II) under the Office of Capital Improvements project B-40584. The City is allocating the matching funds of \$1,230,869, or fifty percent (50%) eligible project costs, and \$307,642 ineligible costs. The City will allocate a total of \$1,538,511 for the construction project.				

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

3. Has the District previously provided assistance funding to this project or site? Yes: ☒ No: ☐

4. If yes, please list:

In 2013, FIND funded Phase I of the Virginia Key Nature Center Seawall, Floating Dock and Kayak Launch project.

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

Currently, this is a public park. When the construction is completed, the area will be easily accessible for water related activities.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

The project will include 1 kayak launch and 1 floating dock.

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	No	N/A	
DEP	Yes	8/19/2015	8/24/2016
ACOE	Yes	8/9/2015	10/1/2016
COUNTY / CITY			



## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Virginia Key Nature Center - Phase 2 - Seawall, Floating Dock & Kayak La
<b>Applicant:</b>	City of Miami

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**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority 7 - Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities.

- b) Explain how the project fits this priority category.**

The project will provide construction of a seawall, floating dock and kayak launch at the Virginia Key Nature Center.

*(For reviewer only)*

Max. Available Score for application 47

Question 1. Range of Score (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.

Located nearby to the AICW, Virginia Key Nature Center is an ideal location for boaters, kayakers, canoers and paddleboard users to access the waterway. The project aligns directly with the Navigation District's mission to provide for local governmental waterway improvement.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

The project will benefit navigation by providing water access for recreational boaters traveling to the Intracoastal Waterway from Virginia Key. The construction of the seawall, floating dock and kayak launch will serve to promote the use of the waters that lead to the ICW.

*(For reviewer only)*

*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

Usage of the kayak launch and floating dock will be accessible to the general public because of its location in a public park owned by the City of Miami. Virginia Key is 1 mile east of the AICW, and the project site is a convenient location where the local population and visitors will heavily utilize the kayak launch and dock to access recreational boating.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

The project will establish a key kayak/boat launch area and will provide easy access for the local population and visitors for navigation to the ICW and Biscayne Bay. The fully constructed seawall, floating dock and kayak launch facility will provide for unlimited public use as residents and visitors will be able to launch their boats, kayaks, canoes, paddleboards, or rent equipment at the park. By making this a stop from the ICW for recreational vessels, residents from other counties of the District and visitors will also benefit from the project. The area is not restricted to Miami residents.

- c) Are there any restrictions placed on commercial access or use of this site?

There are no restrictions placed on commercial access or use of this site.

*(For reviewer only)*

*(1-8 points)*

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**4) TIMELINESS**

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The design and permitting has been completed for this project and contractors will be selected by September 2017. Construction is anticipated to commence by mid-October 2017 and project completion is expected October 2018.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

None are anticipated.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The total project cost is \$2,769,380 and the City will provide \$1,538,511 in match funding, which is fifty percent (50%) of eligible costs and \$307,642 in ineligible administrative costs, being allocated through the Office of Capital Improvements project B-40584.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

An increase in project cost is not anticipated.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

For some materials, the City will utilize local distributors and contractors which should provide cost efficiencies.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

No fees are charged for this project. Optional equipment rental will be available for a fee.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

The area lacks a safe kayak launch and floating dock, and is in need of seawall construction. Additionally, recreational boating, kayaking, canoing, paddleboarding, and other water activities among the local and visiting population is in high demand, so water accessibility in the area is necessary. The project is incorporated in an existing Parks and Public Spaces Master Plan.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Miami's Parks and Recreation Department will be responsible for maintaining the project area.

- c) **Will the program result in significant and lasting benefits? Explain.**

Completion of this project will result in significant and lasting benefits for the citizens of Miami and those visiting the area by providing increased/improved access to a previously inaccessible shoreline located near one of Miami's most popular parks with access to the AICW and Biscayne Bay.

- d) **Please describe any environmental benefits associated with this project.**

The design of the kayak launch, floating dock and seawall restoration will decrease the amount of soil erosion that would ordinarily occur as a consequence of the water's action undermining the existing deteriorating seawall that is no longer functional. Added rip-rap will help grow marine resources such as habitats for fish and plants, essential to the marine environment.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

---

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.

All required environmental permits have been applied for and secured.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.

Not applicable.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.

No impediments are anticipated.

*(For reviewer only)  
(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

After a consultant was selected through the City's procurement process, design work was completed in Phase I of the project.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The design of the kayak launch, floating dock and seawall restoration will reduce soil erosion that would typically occur as a result of the water's contact on the existing deteriorated seawall. Added rip-rap will help grow marine resources such as habitats for fish and plants, essential to the marine environment.

*(For reviewer only)*

*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

Construction techniques for this project are standard. Pre-cast concrete sheet piling and concrete bulkhead will be used to build the seawall; concrete blocks or concrete piling and aluminum docking will be used for the floating dock; reinforced concrete will be used for the kayak launch.

- b) **How are the utilized construction techniques appropriate for the project site?**

The project uses standard construction techniques appropriate for marine construction.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

There are no unusual construction techniques that may impact the cost of the project.

*(For reviewer only)*

*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?

Materials for the seawall include pre-cast concrete sheet piling and concrete bulkhead. The design life of the seawall is at least 30 years. Materials for the floating dock include concrete blocks or concrete piling and aluminum docking. The design life of the floating dock is at least 20 years. Materials for the kayak launch include reinforced concrete. The design life of the kayak launch is at least 20 years.

- b) Identify any unique construction materials that may significantly alter the project costs.

There are no unique construction materials that may significantly alter the project costs.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)



## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

## PROJECT COST ESTIMATE

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

<b>Project Title:</b>	Virginia Key Nature Center - Phase 2 - Seawall, Floating Dock & Kayak Launch
<b>Applicant:</b>	City of Miami

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Demolition	\$311,433.00	\$155,716.50	\$155,716.50
Seawall	\$1,021,965.00	\$510,982.50	\$510,982.50
Upland Improvements	\$420,560.00	\$210,280.00	\$210,280.00
Dock	\$335,100.00	\$167,550.00	\$167,550.00
Kayak Launch	\$372,680.00	\$186,340.00	\$186,340.00
Ineligible Administration Fees	\$307,642	\$307,642	\$0.00

**TOTALS =	\$ 2,769,380	\$ 1,538,511	\$ 1,230,869
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Virginia Key Nature Center - Phase 2 - Seawall, Floating Dock & Kayak L
<b>Applicant:</b>	City of Miami

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

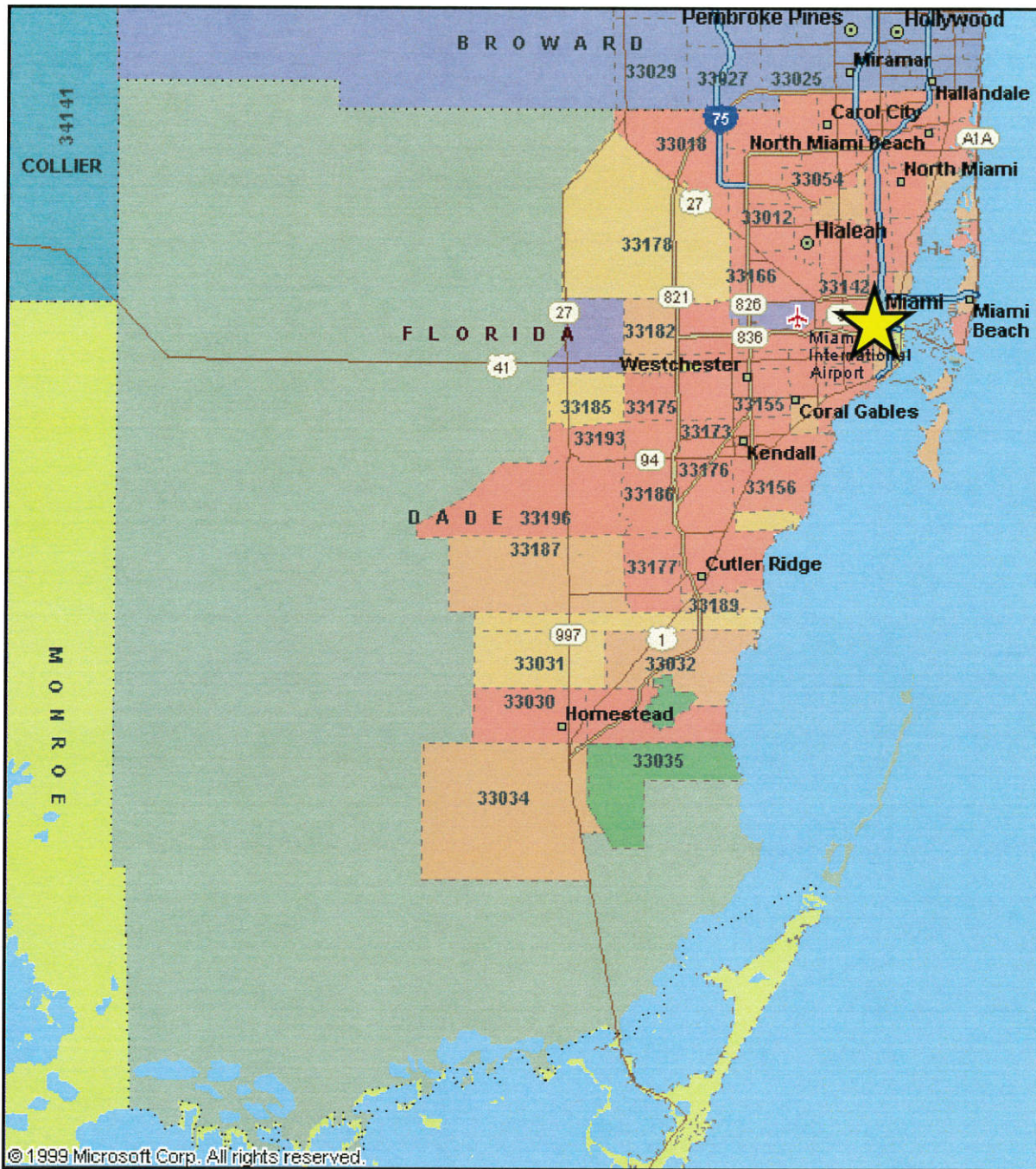
**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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Permits have been completely secured, and contractors will be selected by September 2017.

Construction is anticipated to begin mid-October 2017 and project completion is expected for October 2018.

## 10. City Location Map



2017 Waterways Assistance Program

City of Miami





# 11. Project Boundary Map



Created by the City of Miami Planning Department: 3/13/2017

City of Miami  
Application:

Virginia Key Nature Center - Phase 2  
Seawall, Floating Dock, and Kayak Launch

Miles 0 0.5 1 2





## 12. Site Development Plan Map

City of Miami  
Application:

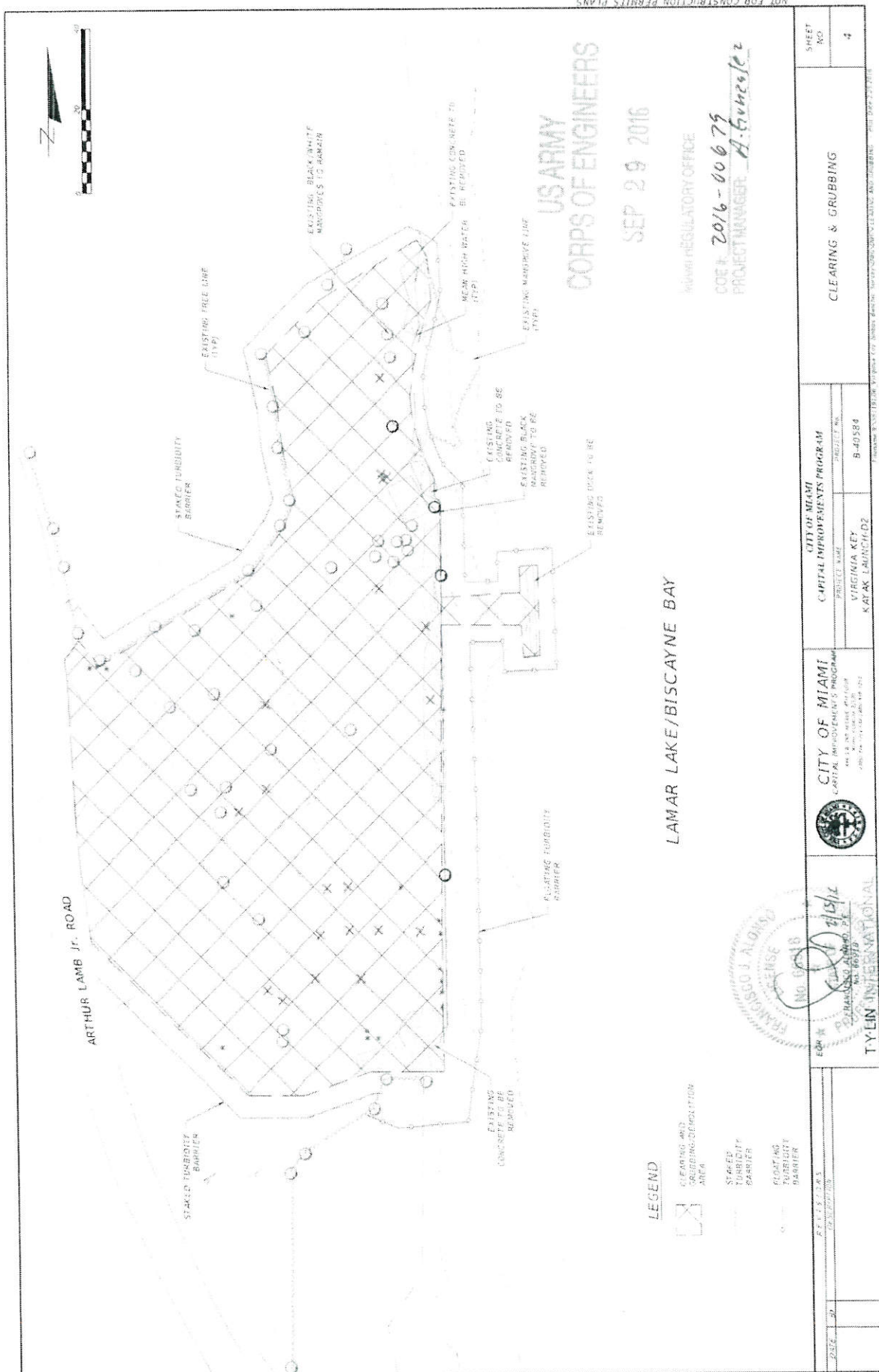
Virginia Key Nature Center - Phase 2  
Seawall, Floating Dock, and Kayak Launch



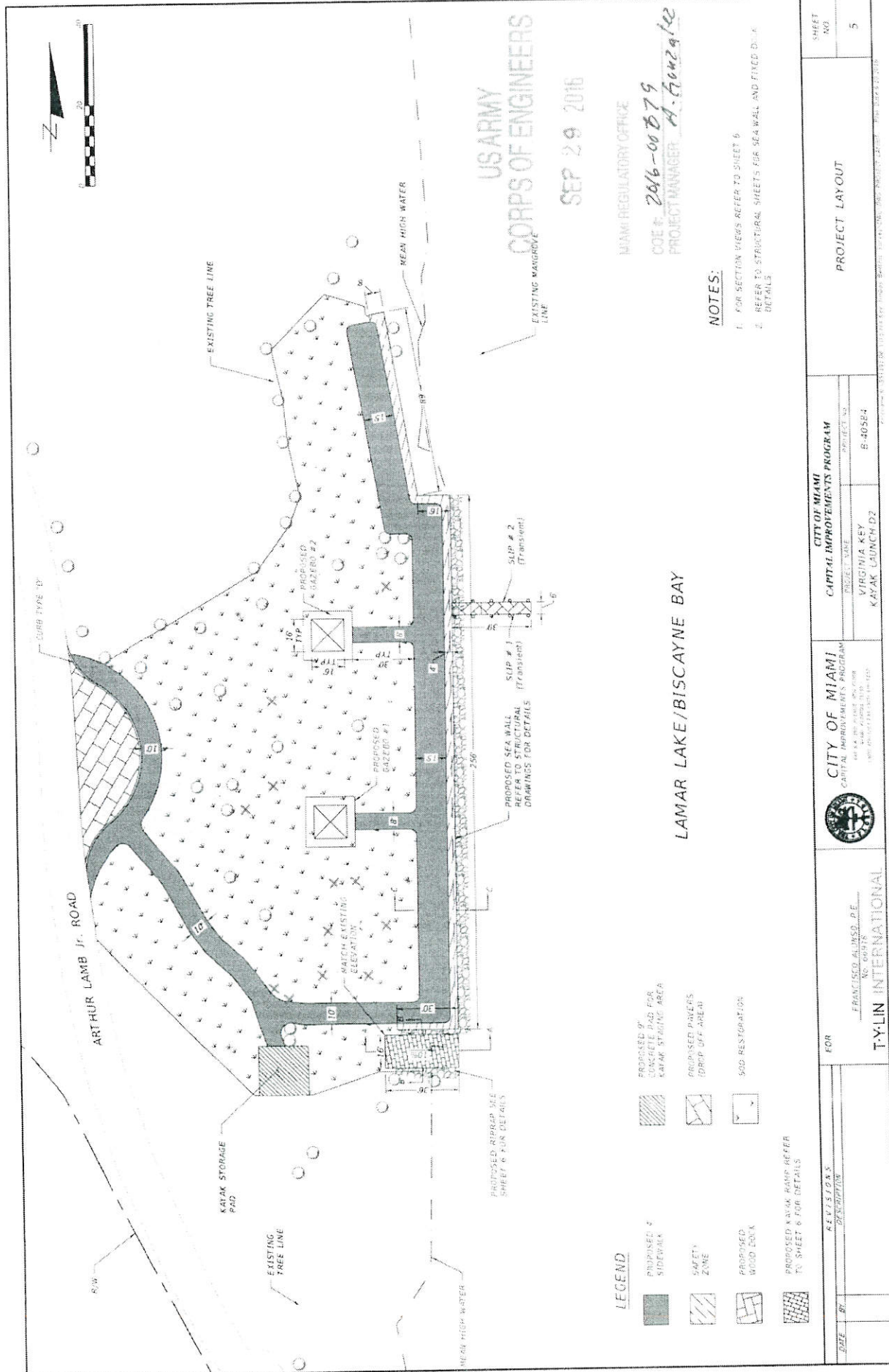
Created by the City of Miami Planning Department: 3/13/2017

Feet 0 125 250 398 500









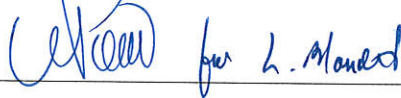
## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

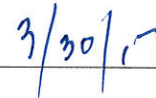
<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Miami		
<b>Department:</b>	Department of Real Estate and Asset Management		
<b>Project Title:</b>	Myers Park - Phase 1 - Seawall, Boat Ramp and Trailer Parking Improvements		
<b>Project Director:</b>	Andrew Schimmel	<b>Title:</b>	Project Manager
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Lillian P. Blondet	<b>Title:</b>	Director, Grants Administration
<b>Mailing Address:</b>	444 SW 2nd Avenue, 5th Floor		
<b>City:</b>	Miami	<b>Zip Code:</b>	33130
<b>Email Address:</b>	lblondet@miamigov.com	<b>Phone #:</b>	305-416-1536
<b>Project Address:</b>	2900 S Bayshore Drive, Miami, FL 33133		

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

SIGNATURE: \_\_\_\_\_



DATE: \_\_\_\_\_



**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of Miami seeks funding in the amount of \$100,870 from the Florida Inland Navigation District (FIND) for the Myers Park - Phase 1 - Seawall, Boat Ramp and Trailer Parking Improvements project. The total cost of the installation project is \$220,220. This request of \$100,870 in FIND grant funds is needed to match resources from the Office of Capital Improvements project 40-B183500.

The scope of work for the project includes the upgrade of dockage, boat ramp and trailer parking improvements. The current seawall is failing and will be replaced through this project, and the current baywalk, floating docks, and parking circulation for boat trailer parking will be rebuilt. The project site is nearby to the ICW, making the area convenient for the public for recreational boat use.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Miami		<b>Project Title:</b>	Myers Park - Phase 1 - Seawall, Boat Ramp	
<b>Total Project Cost: \$</b>	\$220,220	<b>FIND Funding Requested: \$</b>	\$100,870	<b>% of Total Cost:</b>	50% (of eligible)
<b>Amount and Source of Applicant's Matching Funds:</b>	The City of Miami requests \$100,870 from FIND, and will match \$119,350 through, 40-B183500, a project funding source provided through the City's Office of Capital Improvements. The City's match includes \$100,870 eligible costs as well as \$18,480 ineligible administrative costs for the project.				

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

Not applicable. The City of Miami owns the project site.

3. Has the District previously provided assistance funding to this project or site? Yes: ☒ No: ☐

4. If yes, please list:

In 1999, FIND provided \$180,000 for light poles and electrical, boat trailer parking improvements and removal/disposal of existing asphalt walkways and slabs.

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

There are currently 3 boat ramps, approximately 35 trailer parking spaces and 1 boardwalk (about 100 linear feet).

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

The current 3 boat ramps will be rebuilt to allow more boats to launch. Trailer parking spaces will be increased by 10-15%, boat trailer circulation will be improved, and baywalk improvements will allow for better public access.

7. Are fees charged for the use of this project? No ☐ Yes ☒ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	Yes	TBD	
DEP	Yes	TBD	
ACOE	Yes	TBD	
COUNTY / CITY	Yes	TBD	



## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Myers Park - Phase 1 - Seawall, Boat Ramp and Trailer Parking Improver
<b>Applicant:</b>	City of Miami

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**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority 7- Acquisition, dredging, shoreline stabilization & development of public boat ramps/launching facilities.

- b) Explain how the project fits this priority category.**

This project will include shoreline stabilization with seawall and baywalk improvements, and will rebuild 3 public boat ramps for improved efficiency and public access.

*(For reviewer only)*

Max. Available Score for application    47

Question 1. Range of Score    (1 to <sup>5</sup>\_\_\_ points)

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## 2) WATERWAY RELATIONSHIP:

- a) Explain how the project relates to the ICW and the mission of the Navigation District.

Myers Park is located about 0.75 miles West of the ICW. The construction of a boat ramp will improve public access to the ICW. This Phase I project aligns with the mission to provide for local governmental waterway improvement projects.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

This project benefits navigation by providing water access to recreational boaters traveling to the ICW from Myers Park. Phase II of this project will provide for improvements to the boat ramps, repair of a seawall and trailer parking improvements, which will improve boaters' use of waters leading to the ICW.

*(For reviewer only)*  
*(1-6 points)*

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## 3) PUBLIC USAGE & BENEFITS:

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

Public usage will be quantified by the increase in public boater access that rebuilding the current 3 boat ramps will facilitate. After improvements, at least 5 boats will be able to launch from the 3 ramps. Additionally, trailer parking spaces will be increased by 10-15% from the existing 35 spaces available, and floating docks will be added to the site.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

The project will provide easy access for all small boaters to the ICW, as well as for national and international sailing events. The redesign will also allow more non-motorized vehicle access to the area. Residents from other counties of the District will also benefit from the project. The launch area and park are not restricted to local residents and welcomes all visitors.

- c) Are there any restrictions placed on commercial access or use of this site?

There are no restrictions placed on commercial access or use of this site.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The anticipated timeline to complete Phase 1 design and permitting is 24 months.  
Months 1-6 will include contract execution, procurement, bid and award process.  
Months 7-24 will include survey, design and permit services.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

None at this time. The City of Miami is confident that design and permitting requirements will be completed as anticipated.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The City of Miami requests \$100,870 from FIND, and will match \$119,350 through, 40-B183500, a project funding source provided through the City's Office of Capital Improvements. The City's match includes \$100,870 in eligible costs as well as \$18,480 in administrative costs for the project.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

An increase in project costs is not anticipated.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

The City of Miami will be managing the contracted agency to ensure that design and permits are completed as quickly and efficiently as possible.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There is a fee associated with trailer parking in the area. Miami Parking Authority (MPA) charges \$10 per day for trailer parking. This is comparable to other MPA rates nearby.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?**

This project allows more trailer vessels to access the ICW, provides more space for sailing events in Miami and provides more local non-motorized access to the area. These gaps have been identified by the City of Miami as community needs. This project is not referenced or incorporated in an existing comp plan.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Miami, through its Parks and Recreation Department and Department of Real Estate and Asset Management, is dedicated to managing and operating the seawall and boat ramp upon completion. The City of Miami, through the Miami Parking Authority will maintain the trailer parking improvements after District funding is completed.

- c) **Will the program result in significant and lasting benefits? Explain.**

The seawall, boat ramp and trailer parking improvements in this project require minimal maintenance and have a life expectancy that will allow the public to benefit from the facilities for years.

- d) **Please describe any environmental benefits associated with this project.**

Seawall improvements will provide shoreline stabilization, and drainage improvements in the boat ramp area will stop runoff into the waterway.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

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**7) PERMITTING:**

- a) **Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

No. The City of Miami will be meeting with, Florida Department of Environmental Protection, Environment and Regulatory Affairs (DPERA) and Corps of Engineers regarding the project and required permits to be obtained during this phase of the project.

- b) **If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

Initial tasks include surveying and field monitoring, engineering analysis, regulatory compliance and final engineering design. Phase II is estimated to cost \$2,052,820 for the construction of the facilities, pending the results of initial tasks completed by the selected marine engineering firm.

- c) **Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

No impediments are anticipated.

*(For reviewer only)  
(1-4 points)*

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**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

This is a Phase I design and permitting project. A preliminary design and permitting will begin once a consultant has been chosen through the City's procurement process.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The City has few boat ramps and this will increase boat ramp availability to recreational boaters accessing the ICW. Seawall and drainage improvements will reduce environmental impact to the shoreline and the waterway.

*(For reviewer only)*  
*(1-2 points)*

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**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

During Phase I, construction will not take place. In Phase II, standard construction techniques will be utilized including demolition, installation of drainage structures, asphalt, concrete and sheet pile seawall to replace current deterioration.

- b) **How are the utilized construction techniques appropriate for the project site?**

Standard construction techniques will be utilized as approved by the appropriate regulatory agencies, during Phase II of the project. Design, materials and construction techniques will be consistent with strengthening structural capacity and ensuring the maximum life expectancy possible.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

No unusual construction techniques are anticipated.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

This request is for Phase I design and permitting. Design, materials and construction techniques will be consistent with strengthening to structural capacity and ensuring the maximum life expectancy possible. Potential materials to be utilized for this project include sheet pile seawall, concrete, steel, recycled plastic decking and asphalt. The expected design life for the proposed materials is at least 30 years.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

The City does not anticipate any unique construction materials associated with this project.

*(For reviewer only)*  
*(1-3 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)



**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Myers Park - Phase 1 - Seawall, Boat Ramp and Trailer Parking Improve
<b>Applicant:</b>	City of Miami

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

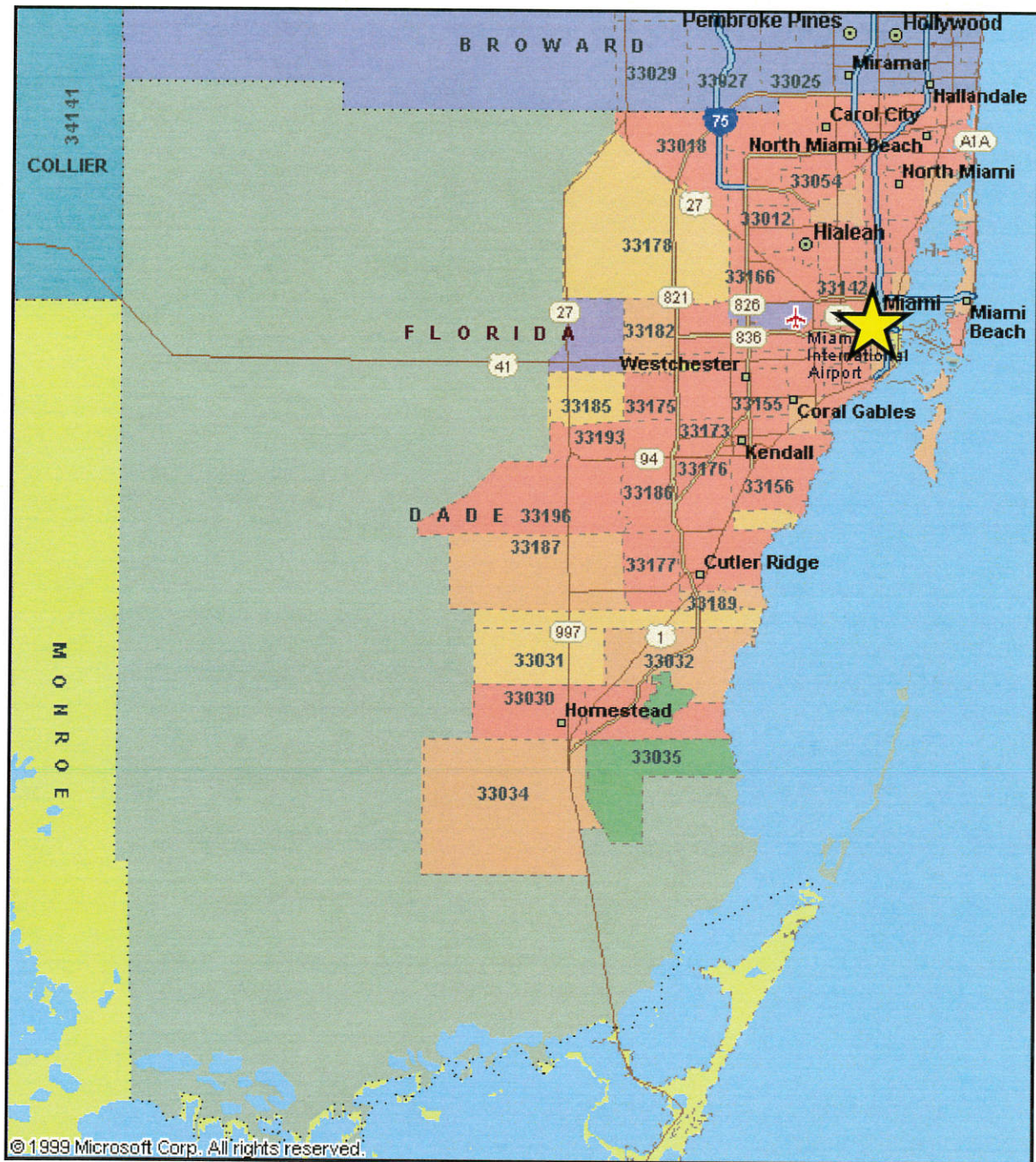
**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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October 2017-March 2018	Bid Process	6 months	These months will include RFQ contract, award procedures and contract execution.
April 2018-September 2019	Design & Permitting	18 months	Design services and permitting applications for Phase I will be completed at this time.



## 10. City Location Map



2017 Waterways Assistance Program

City of Miami





# 11. Project Boundary Map

City of Miami

Application: Myers Park - Phase 1 - Seawall, Boat Ramp and Trailer Parking Improvements



Created by the City of Miami Planning Department: 3/13/2017

Miles 0 0.125 0.25 0.5





## 12. Site Development Plan Map

City of Miami

Application:

Myers Park - Phase 1 - Seawall, Boat Ramp and Trailer Parking Improvements



Created by the City of Miami Planning Department: 3/13/2017

Feet 0 125 250 500



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Miami		
<b>Department:</b>	Department of Real Estate and Asset Management		
<b>Project Title:</b>	Knight Center - Phase 1 - Vessel Dockage		
<b>Project Director:</b>	Andrew Schimmel	<b>Title:</b>	Project Manager
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Lillian Blondet	<b>Title:</b>	Director, Grants Administration
<b>Mailing Address:</b>	444 SW 2nd Avenue, 5th Floor		
<b>City:</b>	Miami	<b>Zip Code:</b>	33130
<b>Email Address:</b>	lblondet@miamigov.com	<b>Phone #:</b>	305-416-1536
<b>Project Address:</b>	400 SE 2nd Ave, Miami, FL 33131		

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

SIGNATURE:  DATE: 3/30/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of Miami seeks funding in the amount of \$72,855 from the Florida Inland Navigation District (FIND) for the Knight Center - Phase 1 - Vessel Dockage project. The total cost of the project is \$153,081. This request of \$72,855 in FIND grant funds is needed to match resources from the Office of Capital Improvements project 40-B183402.

The scope of work for the project includes obtaining a Marine Operating Permit to allow dockage along the seawall at the front of the Knight Center. The dockage will extend the entire length of the Knight Center, and the seawall concrete cap will be repaired, bumpers and fender piles will be added and cleats will be replaced.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Miami		<b>Project Title:</b>	Knight Center - Phase 1 - Vessel Dockage	
<b>Total Project Cost: \$</b>	\$153,081	<b>FIND Funding Requested: \$</b>	\$72,855	<b>% of Total Cost:</b>	50% (of eligible)
<b>Amount and Source of Applicant's Matching Funds:</b>	The City of Miami requests \$72,855 from FIND, and will match \$80,226 through, 40-B183402, a project funding source provided through the City's Office of Capital Improvements. The City's match includes \$72,855 in eligible costs as well as \$7,371 in administrative costs for the project.				

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

Not applicable. The City of Miami owns the project site.

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒

4. If yes, please list:

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

The Knight Center has temporary dockage, but it is not currently permitted for permanent dockage.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

The new vessel dockage will extend the entire length of the Knight Center (approximately 471 linear feet).

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	Yes	TBD	
DEP	Yes	TBD	
ACOE	Yes	TBD	
COUNTY / CITY			

## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Knight Center - Phase 1 - Vessel Dockage
<b>Applicant:</b>	City of Miami

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**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority 8 - Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities.

- b) Explain how the project fits this priority category.**

The proposed project will allow the City of Miami to develop public vessel dockage facilities for both pleasure and commercial boaters utilizing the Knight Center and nearby ICW.

*(For reviewer only)*

Max. Available Score for application 47

Question 1. Range of Score (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) **Explain how the project relates to the ICW and the mission of the Navigation District.**

The project site is located 0.5 miles from the AICW providing increased access to the ICW and recreation for boaters navigating the ICW. The project aligns directly with its mission to provide for local governmental waterway improvement projects.

- b) **What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The project located at the Knight Center is one of the most accessible points on the Miami River in downtown Miami. It will provide improved public access to the nearby AICW and will promote the use of the waters that lead to the ICW.

*(For reviewer only)*

*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:**

- a) **How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The project area is municipally owned and open to the public and 100% of the dockage facilities will be accessible to transient boaters.

- b) **Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

This project will provide easy access to the Miami River and the AICW, will serve local and visiting boaters transiting through Miami and will serve as a water taxi site. Residents from other counties of the District will also benefit from the project. The area is not restricted to Miami local residents and welcomes all visitors.

- c) **Are there any restrictions placed on commercial access or use of this site?**

There are no restrictions placed on commercial access or use of this site.

*(For reviewer only)*

*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The City of Miami anticipates that the project, which has not started at this time, will take 24 months due to permitting requirements, time required to establish contract and bid, and time required to sign agreements.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

The City of Miami is in the process of retrieving a Submerged Land Lease from the State of Florida, as the state owns the water. Additionally, the City is in the process of providing evidence that the Knight Center was used for dockage prior to 1984 in order to be eligible to retrieve necessary permitting.

*(For reviewer only)*  
*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

Matching funds for the design/permitting of vessel dockage for the Knight Center will be available under Office of Capital Improvements Project 40-B183402. The City is allocating the matching funds of \$72,855, or fifty percent (50%) of the total eligible project cost.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

There are no anticipated increased costs.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

The City of Miami will be managing the contracted agency to ensure that permits are completed as quickly as possible.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees associated with this facility at this time, as this is a Phase I project.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?**

This project provides dockage opportunities to the public so they can easily access the Miami River and the AICW. Additionally, this project provides a secondary means of accessing the Knight Center, which is widely used for special events, conferences and conventions. This project is not incorporated in an existing comp plan.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Miami, through its Department of Real Estate and Asset Management is dedicated to managing and operating the vessel dockage upon completion.

- c) **Will the program result in significant and lasting benefits? Explain.**

The vessel dockage in this project requires minimal maintenance and has a life expectancy that will allow the public to benefit from the facilities for over 30 years.

- d) **Please describe any environmental benefits associated with this project.**

This project will prompt the City to inspect the seawall and perform the required repairs to ensure its structural integrity. The Knight Center-Phase 1-Vessel Dockage project site will be run as a clean marina.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

No. The City of Miami will be meeting with Miami-Dade County Department of Permitting, Florida Department of Environmental Protection, Environment and Regulatory Affairs (DPERA) and Corps of Engineers regarding the project and required permits to be obtained during this phase of the project.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

Tasks include surveying and field monitoring, engineering analysis, regulatory compliance and final engineering design. Phase II is estimated to cost \$423,833 for the construction of the vessel dockage.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

The City of Miami is in the process of retrieving a Submerged Land Lease from the State of Florida, as the state owns the river bottom. Additionally, the City is in the process of providing evidence that the Knight Center was used for dockage prior to 1984 in order to be eligible to retrieve necessary permitting.

*(For reviewer only)  
(1-4 points)*

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**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

The City of Miami is in development of a preliminary design that will be available by the FIND grant review meeting should this project be selected to advance.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The proposed design of vessel dockage across the entire length of the Knight Center will maximize public access to the Miami River and AICW, and the area will serve as a water taxi site for the public. Surveying the dockage area will allow the City to identify endangered plant/marine habitats and protect them as needed.

*(For reviewer only)*

*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase I, elaborate on potential techniques.**

During Phase I, construction will not take place. In Phase II, standard construction techniques will be utilized including demolition, installation of concrete bulkhead caps and steel rebars, cleats, bumpers and fender piles.

- b) **How are the utilized construction techniques appropriate for the project site?**

Standard construction techniques will be utilized as approved by the appropriate regulatory agencies, during Phase II of the project. Design, materials and construction techniques will be consistent with strengthening structural capacity and ensuring the maximum life expectancy possible.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

No unusual construction techniques are anticipated.

*(For reviewer only)*

*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

This request is for Phase I design and permitting. Design, materials and construction techniques will be consistent with strengthening to structural capacity and ensuring the maximum life expectancy possible. Potential materials to be utilized for this project include concrete bulkhead caps and steel rebars, cleats, bumpers and fender piles. The expected design life for the proposed materials is at least 30 years.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

The City does not anticipate any unique construction materials associated with this project.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)



## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

## PROJECT COST ESTIMATE

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

<b>Project Title:</b>	Knight Center - Phase 1 - Vessel Dockage
<b>Applicant:</b>	City of Miami

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Design	\$90,710	\$45,355	\$45,355
Permitting	\$20,000	\$10,000	\$10,000
Surveys (Topographic, Bathymetric and Sedimentation)	\$35,000	\$17,500	\$17,500
Ineligible Administration fees	\$7,371	\$7,371	\$0

**TOTALS =	\$ 153,081	\$ 80,226	\$ 72,855
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Knight Center - Phase 1 - Vessel Dockage
<b>Applicant:</b>	City of Miami

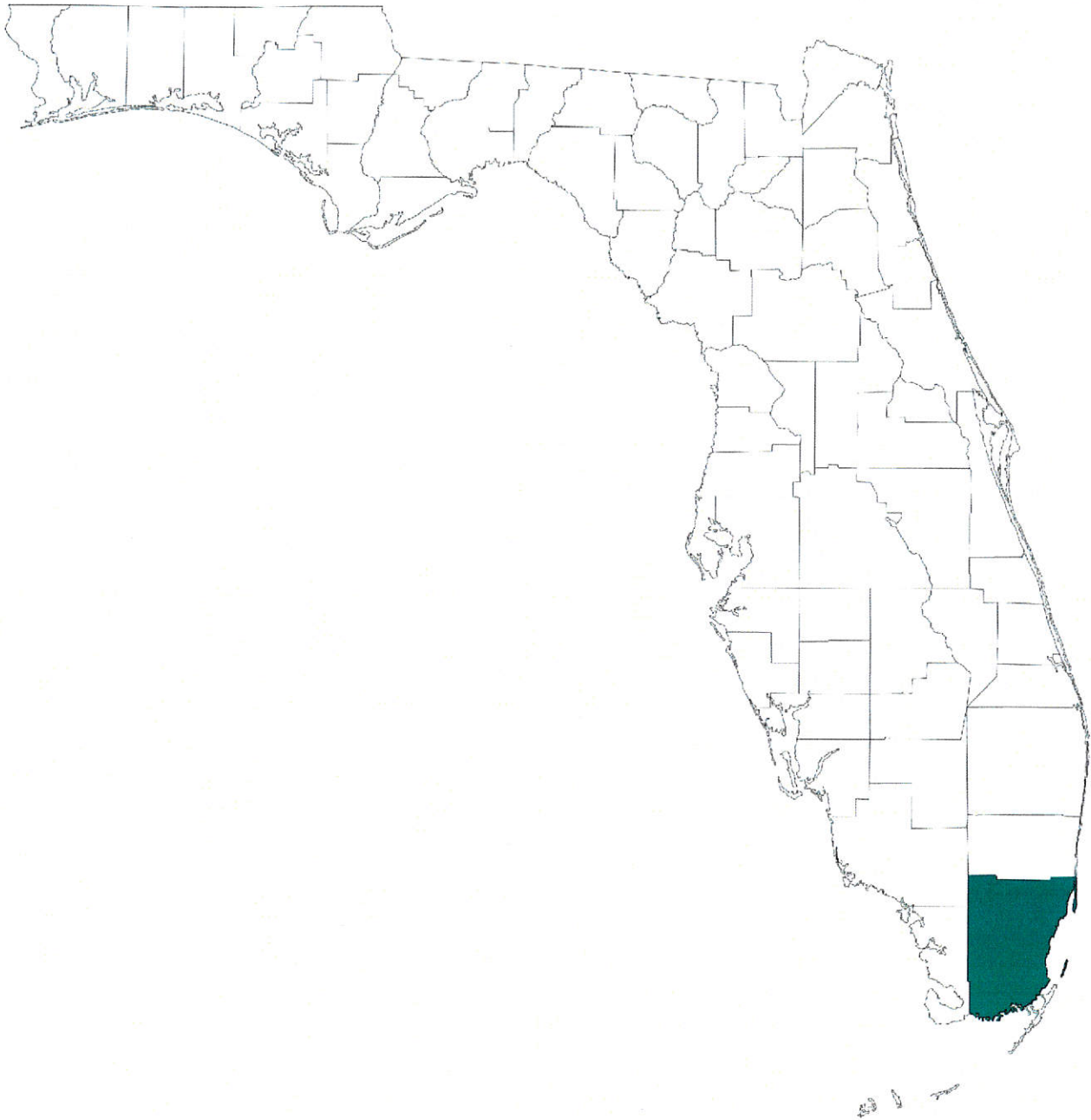
The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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October 2017-March 2018	Bid Process	6 months	These months will include contractor selection, award procedures and contract execution.
April 2018-September 2019	Design & Permitting	18 months	Design services and permitting applications for Phase I will be completed at this time.

## 10. County Location Map



Locator Map of Miami-Dade County, 2008

Florida Center for Instructional Technology, (Tampa, FL: Florida Center for Instructional Technology, 2008)  
Downloaded from *Maps ETC*, on the web at <http://etc.usf.edu/maps> [map #f8603]





# 11. Project Boundary Map

City of Miami

Application: Knight Center - Phase 1  
Vessel Dockage



Created by the City of Miami Planning Department: 3/13/2017

Miles 0 0.125 0.25 0.5





## 12. Site Development Plan Map

City of Miami

Application: Knight Center - Phase 1  
Vessel Dockage



Created by the City of Miami Planning Department: 3/13/2017

Feet 0

125

250

500



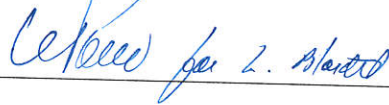
## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

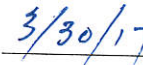
<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Miami		
<b>Department:</b>	Capital Improvements and Transportation Program		
<b>Project Title:</b>	First Presbyterian Church - Phase 1 - Baywalk		
<b>Project Director:</b>	Orlando Misas	<b>Title:</b>	Project Manager
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Lillian Blondet	<b>Title:</b>	Director, Grants Administration
<b>Mailing Address:</b>	444 S.W. 2nd Avenue, 5th Floor		
<b>City:</b>	Miami	<b>Zip Code:</b>	33130
<b>Email Address:</b>	lblondet@miamigov.com	<b>Phone #:</b>	305-416-1536
<b>Project Address:</b>	609 Brickell Avenue, Miami, Florida 33131		

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

SIGNATURE: \_\_\_\_\_



DATE: \_\_\_\_\_



**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The First Presbyterian Church is home to Miami's oldest congregation. It is located in Downtown Miami with a picturesque view of Biscayne Bay and part of the ICW. The project site is currently a wooded area adjacent to the water and located in the rear of a surface parking lot. The area lacks clear signage/orientation ([www.miamidda.com](http://www.miamidda.com)). Daily, pedestrians and bicyclists must travel around this wooded area and through the parking lot to connect to travel friendly baywalks to the north and south. When traversing the area, travelers must also encounter food vendors and vehicles parked in the parking lot.

The project is a Phase 1 for design and permitting of the baywalk extension to the adjacent baywalks located to the north and south. The north end of the baywalk will be connected with the Brickell Park and Icon Brickell baywalk; the south end of the baywalk will be connected with the 701 Brickell baywalk. The project costs requested from FIND do not include any ineligible costs such as in-house personnel costs, miscellaneous, non waterway-related project elements, administrative fees nor contingency costs. Only amenities and elements directly related to the waterway will be charged to the grant.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Miami		<b>Project Title:</b>	First Presbyterian Church - Phase 1 - Bay	
<b>Total Project Cost: \$</b>	\$306,243	<b>FIND Funding Requested: \$</b>	\$153,122	<b>% of Total Cost:</b>	50% (eligible)
<b>Amount and Source of Applicant's Matching Funds:</b>	The cost of the project is \$366,678. There are \$306,243 in eligible costs. The total project cost includes \$60,435 of ineligible administrative costs. The City of Miami is allocating matching funds in the amount of \$153,122 or 50% of the total eligible project costs. These matching funds are currently available in the Office of Capital Improvement Project # 40-B183401.				

1. Ownership of Project Site (check one): Own: ☐ Leased: ☐ Other: ☒

2. If leased or other, please describe lease or terms and conditions:

First Presbyterian Church of Miami granted the City of Miami a 250 linear feet easement for the construction, installation, operation and maintenance of a public baywalk for the general public.

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒

4. If yes, please list:

Not Applicable

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

There is not any public access. Public access will not be available until the new baywalk is constructed, connecting the Brickell Park and Icon Brickell baywalk to the 701 Brickell baywalk. The new baywalk will provide public access of approximately 250 linear feet in length.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

The new baywalk will provide public access approximately 250 linear feet in length.

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	Yes	To Be Determined	To Be Determined
DEP	Not Applicable	To Be Determined	To Be Determined
ACOE	Yes	To Be Determined	To Be Determined
COUNTY / CITY	Yes	To Be Determined	To Be Determined

## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	First Presbyterian Church - Phase 1 - Baywalk
<b>Applicant:</b>	City of Miami

---

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

This application will address Priority #12: Public waterfront parks and boardwalks and associated improvements

- b) Explain how the project fits this priority category.**

This project will improve public access to the waterfront by providing approximately 250 linear feet of baywalk connecting existing baywalks along the Intracoastal waterway.

*(For reviewer only)*

Max. Available Score for application    45

Question 1. Range of Score    (1 to 3 points)

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## 2) WATERWAY RELATIONSHIP:

- a) Explain how the project relates to the ICW and the mission of the Navigation District.

Adjacent to Biscayne Bay which is part of the ICW, the baywalk is vital for continued public access and is a critical component to the overall baywalk system as pedestrians and bicyclists will have uninterrupted access to historic landmarks, marinas and parks along the ICW.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

Many pedestrians and bicyclists utilize the project area which provides access to the ICW and is in close proximity to the confluence of the Miami River. The project provides residents and visitors access to the ICW, the Miami River, public waterfront property and Brickell Park.

*(For reviewer only)*  
*(1-6 points)*

---

## 3) PUBLIC USAGE & BENEFITS:

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

The Downtown Development Authority identified and quantified potential usage of the project; Greater Downtown including the project's Brickell area has increased 33% in population since 2010. The report shows Brickell's population has increased from 26,472 to 34,975 (Miami Today, 9/2016).

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

Construction is booming throughout the Brickell area; population growth in this area continues to swell. Residents are active and utilize the amenities in the area. The baywalk would allow them to recreate along the waters edge at Biscayne Bay without having to circumnavigate the wooded area, nor encounter vehicles when traversing the parking lot.

Yes, residents from other counties will be able to access and use the project, as the baywalk will be open to all visiting pedestrians and bicyclists to this neighborhood of Miami.

- c) Are there any restrictions placed on commercial access or use of this site?

There are not currently any restrictions. After design and permitting for the bay walk, the City of Miami has no plans to restrict access.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

An easement has been obtained from the First Presbyterian Church and the City of Miami is moving forward with the final legal document. The timeline is: 0 - 6 months for procurement and 6 to 24 months for design and permitting.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

The City does not know of or anticipate any unique aspects associated with this project.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The total project cost is \$306,244. The City of Miami is allocating matching funds in the amount of \$153,122, currently available in the Office of Capital Improvement Project # 40-B183401.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

An increase in project costs is not anticipated. All efforts will be made to garner the most cost-effective bid utilizing the City's procurement process.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

All efforts will be made to garner the most cost-effective bids. Only bidders providing cost-effective bids and proposing the highest of quality work will be selected.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

Fees are not charged for using this site.

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

This project will meet the community's need for more safe public spaces to recreate. It will provide them continuous connectivity along the Downtown Miami Baywalk, which at the project site, is adjacent to the ICW.

This project is included in the City of Miami Baywalk Mobility Plan and Baywalk Miami Assessment completed by the Downtown Development Authority in June 2016.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The easement agreement between the City of Miami and the First Presbyterian Church stipulates the City's commitment to maintain, construct, install, and operate the baywalk. Annually, the City allocates funding to maintain its projects.

- c) **Will the program result in significant and lasting benefits? Explain.**

Yes, this project will result in significant and lasting benefits for the citizens of and visitors to Miami by providing greater access to the ICW. The central public space will provide a magnet to and greater access to the ICW system for residents and visitors alike. The baywalk is an integral component to the urban renewal of Miami's waterfront.

- d) **Please describe any environmental benefits associated with this project.**

The baywalk will support the use of alternative and sustainable modes of transportation such as walking or cycling for people commuting on the city-wide network of interconnected greenways and trails. It will help to mitigate the effect of motor vehicles by reducing their use and the air pollution they contribute to the environment.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

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**7) PERMITTING:**

- a) **Have all required environmental permits been applied for? (USACE, DEP and WMD)**  
**If permits are NOT required, explain why not.**

Regulatory agency permits shall be required for the project.

- b) **If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

Tasks include surveying and field monitoring; engineering analysis; regulatory compliance; and final engineering design. The Phase II construction is estimated at \$1.2 million.

- c) **Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

There are not any significant impediments identified nor anticipated.

*(For reviewer only)  
(1-4 points)*



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**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

A preliminary design has not been conducted. This Phase I of the project is for design and permitting.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The baywalk will mitigate the effect of motor vehicles by reducing their use and air pollution. Public usage will be enhanced by the connection of the baywalks to the north and south. The baywalk will connect residential and commercial properties and provide continuous connectivity along the Downtown Miami Baywalk.

*(For reviewer only)*

*(1-2 points)*

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**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

During Phase I, construction will not take place. In Phase II, standard construction techniques will be utilized.

- b) **How are the utilized construction techniques appropriate for the project site?**

Standard construction techniques will be utilized as approved by the appropriate regulatory agencies. Design, materials, and construction techniques will be consistent with strengthening the structural capacity and ensuring the maximum life expectancy possible for the baywalk.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

The City does not anticipate any unusual construction techniques associated with this phase of the project.

*(For reviewer only)*

*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

This request is for Phase I Design and Permitting.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

The City does not anticipate any unusual construction materials associated with this project.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A

Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)

## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	First Presbyterian Church - Phase 1 - Baywalk
<b>Applicant:</b>	City of Miami

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> (Number and/or Footage etc.)	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Design, Permits and Fees	\$366,678  (\$306,243 eligible costs and \$60,435 ineligible costs)	\$153,121.50  \$60,435 (ineligible costs)	\$153,121.50
<b>**TOTALS =</b>			
	\$ 366,678	\$ 213,556.50	\$ 153,121.50



**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	First Presbyterian Church - Phase 1 - Baywalk
<b>Applicant:</b>	City of Miami

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

---

October 2017 - April 2018	Procurement	6 months	These months will include RFQ contract, award procedures and contract execution.
April 2018 - September 2019	Design and Permitting	18 months	Design services and permitting applications for Phase I will be completed at this time.

## 10. County Location Map

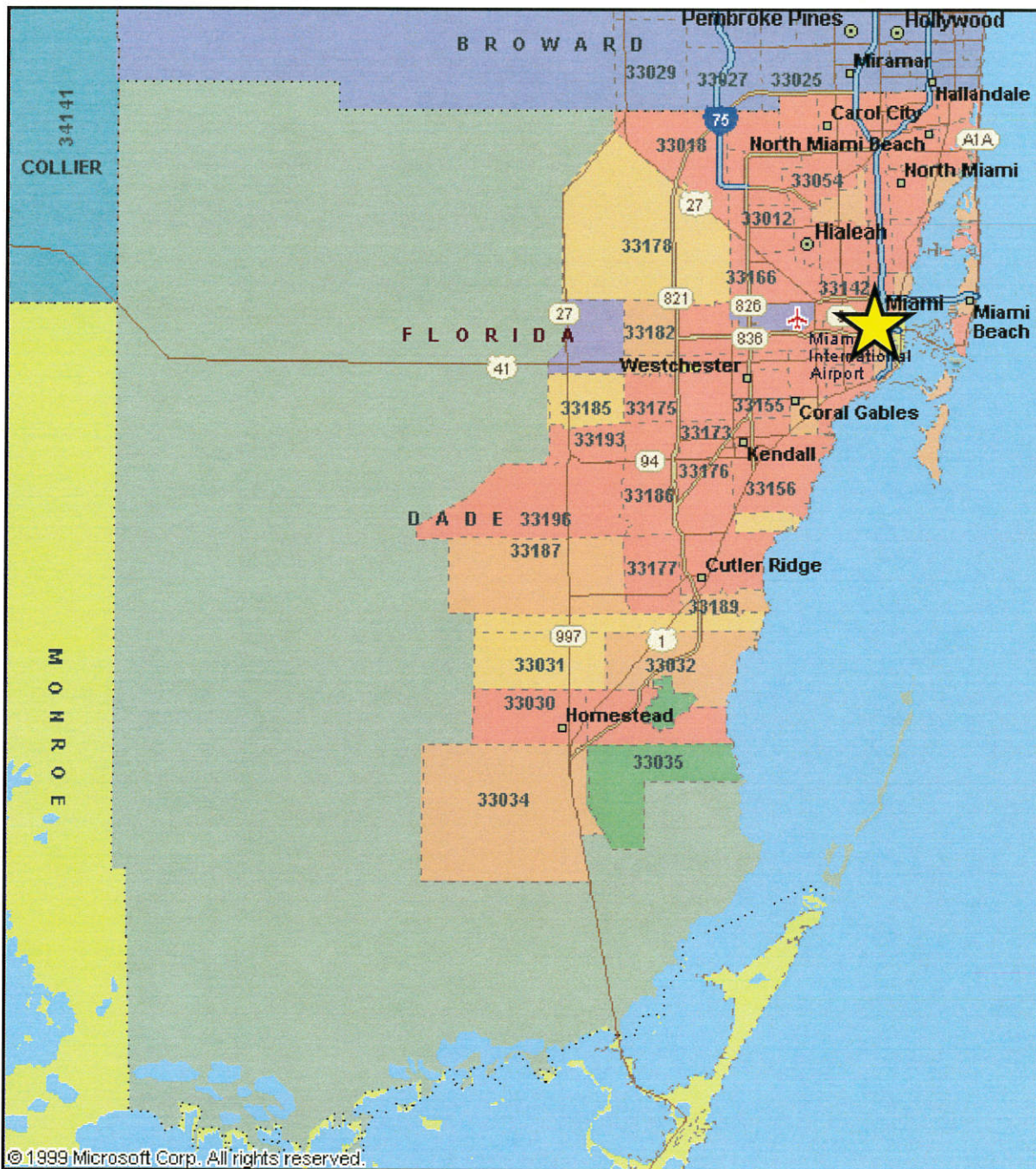


Locator Map of Miami-Dade County, 2008

Florida Center for Instructional Technology, (Tampa, FL: Florida Center for Instructional Technology, 2008)

Downloaded from *Maps ETC*, on the web at <http://etc.usf.edu/maps> [map #f8603]

## 10. City Location Map



2017 Waterways Assistance Program

City of Miami





# 11. Project Boundary Map

City of Miami

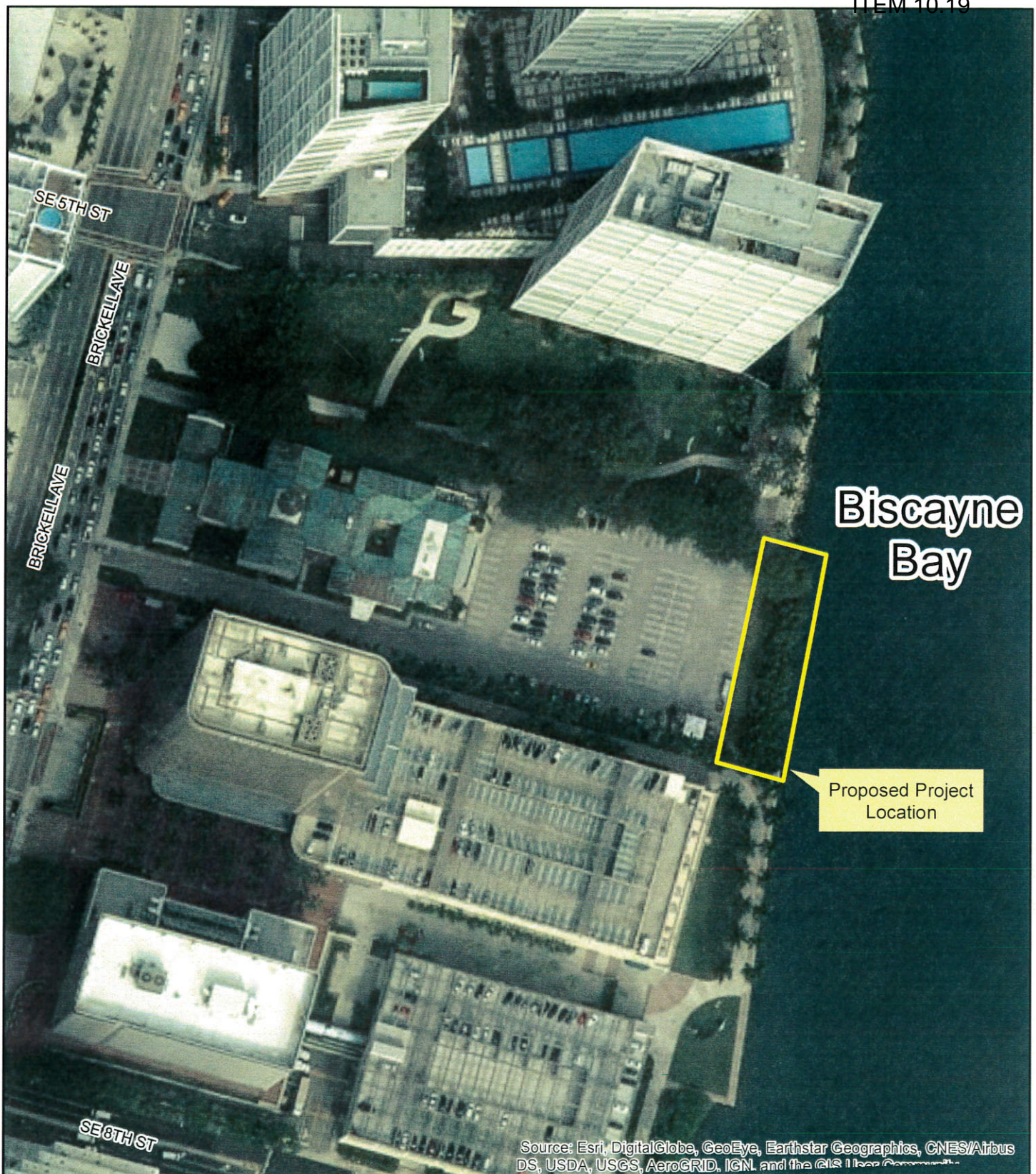
Application: First Presbyterian Church - Phase 1 Baywalk



Created by the City of Miami Planning Department: 3/13/2017

Miles 0 0.05 0.1 0.2





## 12. Site Development Plan Map

City of Miami

Application: First Presbyterian Church - Phase 1 Baywalk



Created by the City of Miami Planning Department: 3/13/2017

Feet 0 125 250 500



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Miami		
<b>Department:</b>	Office of Capital Improvements		
<b>Project Title:</b>	Spring Garden Park - Phase 2 - Seawall and Kayak Launch		
<b>Project Director:</b>	Carlos Vasquez	<b>Title:</b>	Project Manager
<b>Project Liaison:</b> <small>(if different from Project Director)</small>	Lillian Blondet	<b>Title:</b>	Director, Grants Administration
<b>Mailing Address:</b>	444 SW 2nd Avenue, 5th Floor		
<b>City:</b>	Miami	<b>Zip Code:</b>	33130
<b>Email Address:</b>	lblondet@miamigov.com	<b>Phone #:</b>	305-416-1536
<b>Project Address:</b>	601 NW 7th Street Road, Miami, FL 33136		

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

SIGNATURE:  for L. Blondet

DATE: 3/30/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

Spring Garden Park is located in the Seybold Canal which intersects the Miami River in the City of Miami. By way of the river, this park provides direct access to Biscayne Bay and the Intercoastal Waterway.

The existing shoreline along the Seybold Canal consists of a deteriorated bulkhead and requires replacement of approximately 305 linear feet. The South shoreline extends along the Miami River and will be improved at the proposed kayak ramp.

This project involves Phase 2 activities for a seawall and kayak Launch. It will include bulkhead replacement along the Seybold Canal. The project will also include the construction of an approximately 25 feet wide by 30 feet long kayak ramp for public use.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Miami		<b>Project Title:</b>	Spring Garden Park - Phase 2 - Seawall a	
<b>Total Project Cost: \$</b>	\$1,104,618	<b>FIND Funding Requested: \$</b>	\$552,309	<b>% of Total Cost:</b>	50% (eligible)
<b>Amount and Source of Applicant's Matching Funds:</b>	The cost of the project is \$1,215,080. There are \$1,104,618 in eligible costs. The total project cost includes \$110,462 of ineligible administrative costs. The City of Miami is allocating matching funds in the amount of \$552,309 or 50% of the total eligible project costs. These matching funds are currently available in the Office of Capital Improvements Project #B-40454A.				

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☒

2. If leased or other, please describe lease or terms and conditions:

Not applicable

3. Has the District previously provided assistance funding to this project or site? Yes: ☒ No: ☐

4. If yes, please list:

Yes, in 2015 for phase 1 design and permitting.

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

Public access includes 950 linear feet of waterfront along the seawall and riprap areas.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

One kayak launch ramp where none existed in the park.

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	Yes	To be determined	To be determined
DEP	Yes	To be determined	To be determined
ACOE	Yes	To be determined	To be determined
COUNTY / CITY	Yes	3/1/17	To be determined

## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Spring Garden Park - Phase 2 - Seawall and Kayak Launch
<b>Applicant:</b>	City of Miami

---

**1) PRIORITY LIST:**

- a) **Denote the priority list category of this project from Attachment C in the application.** (The application may only be of one type based upon the predominant cost of the project elements.)

This project will address the District priority ~~#7 Acquisition, dredging~~, shoreline stabilization and development of public boat ramps and launching facilities.

**Priority #12 Waterfront park and associated improvements, based on predominate costs**

- b) **Explain how the project fits this priority category.**

This project will improve public access to the waterfront by providing repair/replacement of seawall and riprap that protects the existing shoreline from collapse and by providing a kayak launch, and a baywalk.

(For reviewer only)

45

Max. Available Score for application

\_\_\_\_\_

Question 1. Range of Score (1 to 3 points)



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**2) WATERWAY RELATIONSHIP:**

- a) **Explain how the project relates to the ICW and the mission of the Navigation District.**

The park provides access to the AICW and is a local government waterway improvement project. It supports FIND's mission by providing a seawall that protects the existing shoreline from collapse and a kayak launch to improve public access to the waterways.

- b) **What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The project will provide improved public access into Biscayne Bay and the near by ICW. It will also promote the use of the Wagner Creek Canal and the Miami River waterways that lead to the ICW.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) **How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The project area is municipally owned and open to the public at no cost. This project will provide proper access to a popular and steadily used resource in the City. The estimated amount of total public use is 30,000 people per year.

- b) **Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The project will provide easy access to Biscayne Bay and the ICW. Residents from other counties of the District will also benefit from the project. The park is not restricted to local residents and welcomes all visitors.

- c) **Are there any restrictions placed on commercial access or use of this site?**

Not applicable. There are not any restrictions placed on commercial access or use of this site.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Design and permitting will be completed by September 2017. The timeline is: 0 - 6 months for procurement and 6 to 24 months for construction.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

Not applicable. There are not any unique aspects of this project that could influence the project timeline.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The total project cost is \$1,104,618. The City of Miami is allocating matching funds in the amount of \$552,309, currently available in the Office of Capital Improvement Project #B-40454A .

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

An increase in project costs is not anticipated. All efforts will be made to garner the most cost-effective bid utilizing the City's procurement process.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

All efforts will be made to garner the most cost-effective bids. Only bidders providing cost-effective bids and proposing the highest of quality work will be considered and selected.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

Fees are not charged for using this site.

*(For reviewer only)*  
*(1-6 points)*

---



**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?**

The project fills the community's need for public access to Biscayne Bay and the AICW and maximum use of the waterfront.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Miami Parks & Recreation Department will be responsible for maintaining the project area. Annually, funding is allocated in the budget for maintenance.

- c) **Will the program result in significant and lasting benefits? Explain.**

Completion of this program will result in significant and lasting benefits for the citizens of and visitors to Miami by providing greater access to one of Miami's most popular parks with access to Biscayne Bay and the AICW. The seawall and kayak launch will allow for continued public access and enjoyment for the park's visitors.

- d) **Please describe any environmental benefits associated with this project.**

The environmental benefits of this project consist of improvements to the coastal resilience resources.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

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**7) PERMITTING:**

- a) **Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

Environmental permits have been applied for and will be received.

- b) **If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

This is a Phase II project which will cost an estimated \$1,104,618.

- c) **Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

This is not applicable. Significant impediments have not been identified.

*(For reviewer only)  
(1-4 points)*



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**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

A schematic design has been developed. This is not a phase I project.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

Reconstruction and stabilization of the seawall will result in optimal structural resistance against any hydrostatic pressure and the ability to withstand natural disasters. Public usage of the waterfront will increase and water quality will improve by decreasing the debris materials that a non-stable seawall can generate.

*(For reviewer only)*  
*(1-2 points)*

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**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

The construction techniques will involve materials that are well suited to South Florida's weather conditions.

- b) **How are the utilized construction techniques appropriate for the project site?**

For this submerged and water front project, the City will promote adequate construction techniques, environmentally responsible materials and construction methods and means to minimize the environmental impact.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

Not applicable. The City does not anticipate any unusual construction techniques associate with this project.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

The bulkhead will consist of reinforced concrete, which has an approximately 15 to 20 year life span. The kayak launch will consist of materials that are consistent for use in the site's marine environment and will endure for approximately 10 to 12 years.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

Not applicable. There are not any unique construction materials that may significantly alter the project's costs.

*(For reviewer only)*  
*(1-3 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)



## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	Spring Garden Park - Phase 2 - Seawall and Kayak Launch
<b>Applicant:</b>	City of Miami

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> (Number and/or Footage etc.)	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Demolition	\$22,710	\$11,355	\$11,355
Construction	\$1,192,370  (\$1,104,618 in eligible costs and \$110,462 ineligible costs)	\$540,954  (\$110,462 ineligible costs)	\$540,954

<b>**TOTALS =</b>	<b>\$ 1,215,080</b>	<b>\$ 662,771</b>	<b>\$ 552,309</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Spring Garden Park - Phase 2 - Seawall and Kayak Launch
<b>Applicant:</b>	City of Miami

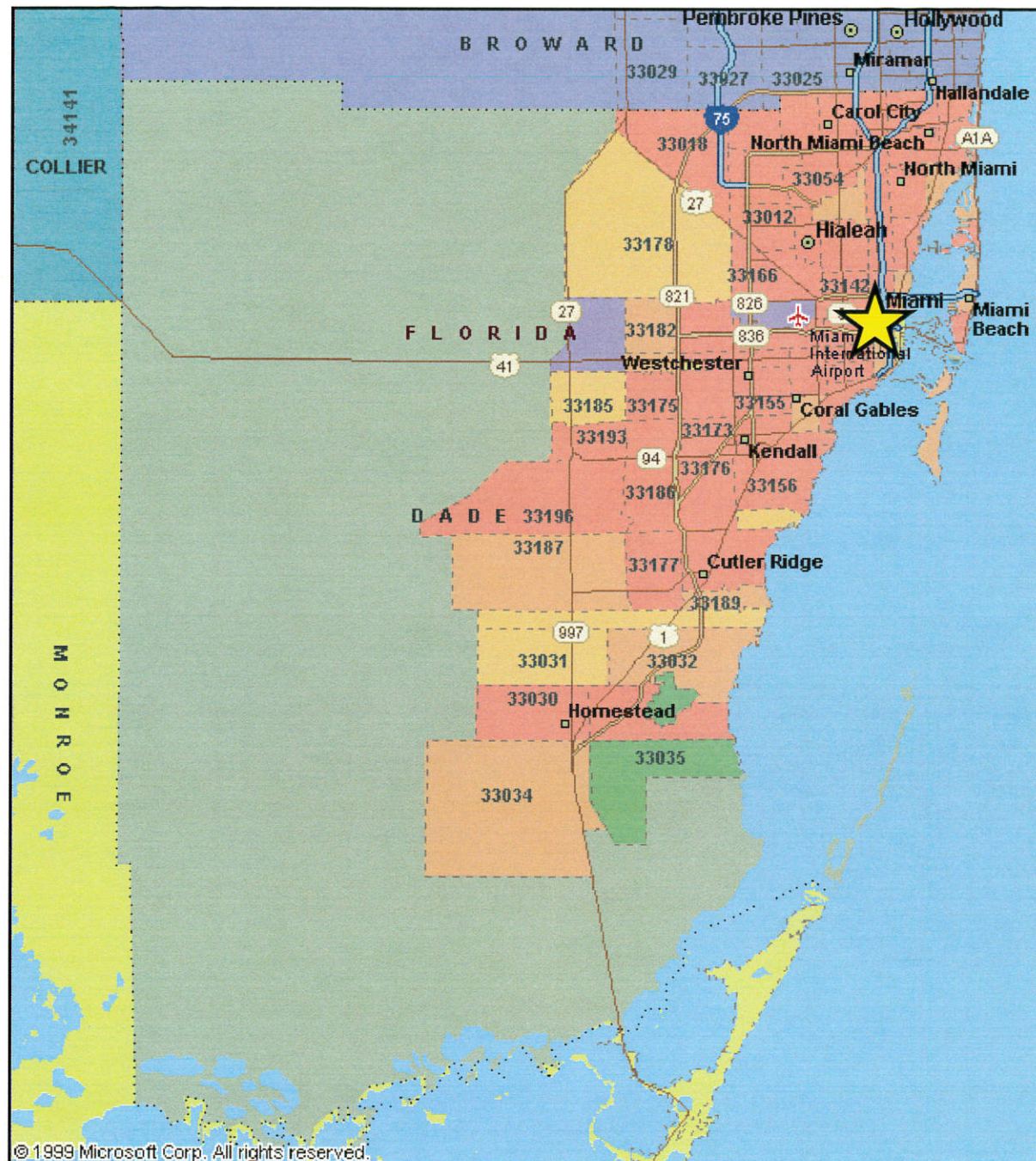
The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

---

October 2017 - April 2018	Procurement	6 months	These months will include RFQ contract, award procedures and contract execution.
April 2018 - September 2019	Construction	18 months	Bulkhead replacement and construction of a kayak ramp

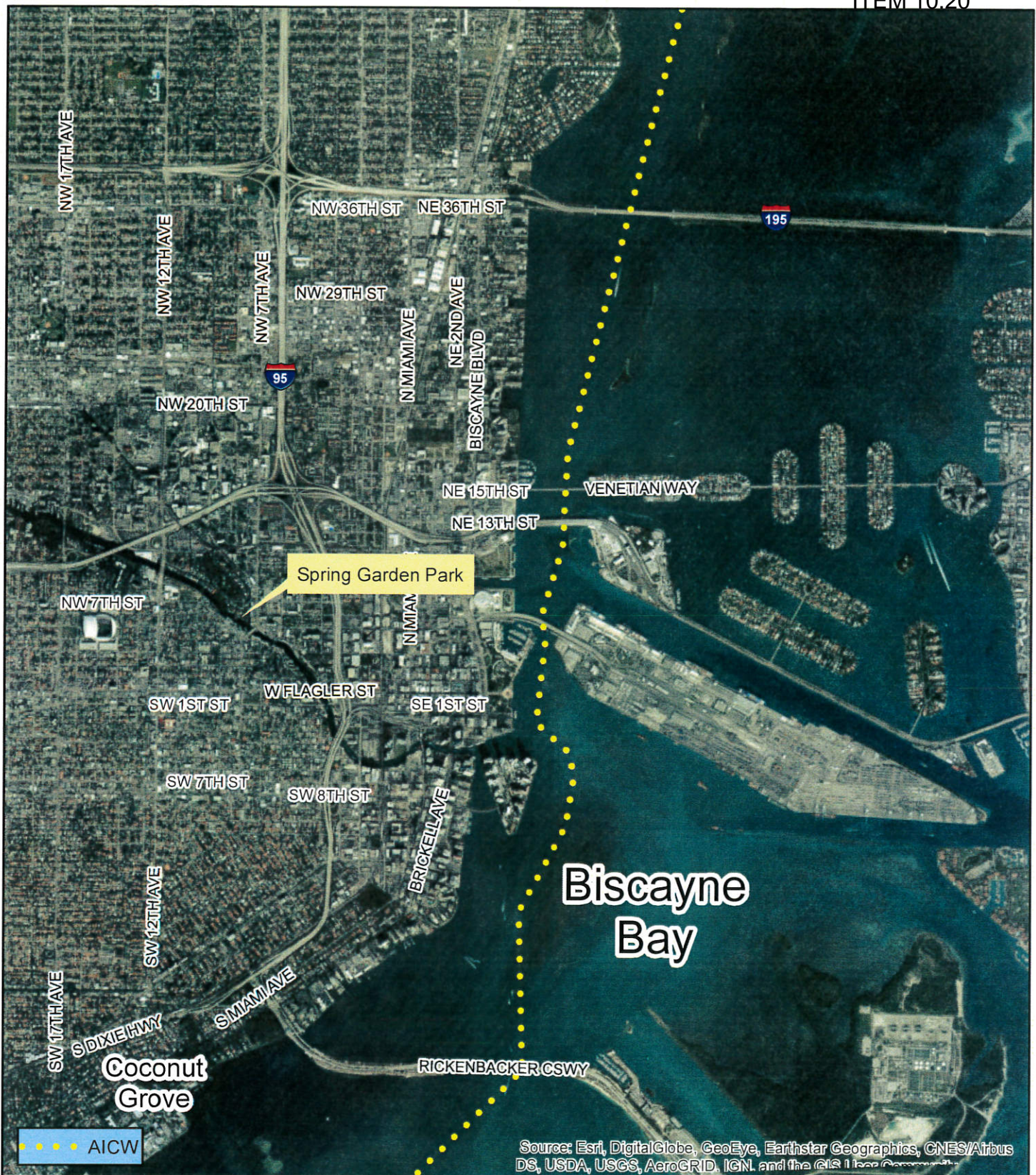
## 10. City Location Map



2017 Waterways Assistance Program

City of Miami





# 11. Project Boundary Map

City of Miami

Application: Spring Garden Park - Phase 2

Seawall and Kayak Launch



Created by the City of Miami Planning Department: 3/13/2017

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## 12. Site Development Plan Map

City of Miami

Application: Spring Garden Park - Phase 2  
Seawall and Kayak Launch



Created by the City of Miami Planning Department: 3/13/2017

Feet 0 50 100 200



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Miami		
<b>Department:</b>	Office of Capital Improvements		
<b>Project Title:</b>	Seybold Canal and Wagner Creek Dredging and Environmental Clean-Up Project		
<b>Project Director:</b>	Wendy Jaramillo	<b>Title:</b>	Special Projects Coordinator
<b>Project Liaison:</b> <small>(if different from Project Director)</small>	Lillian Blondet	<b>Title:</b>	Director Grants Administration
<b>Mailing Address:</b>	444 SW 2nd Avenue, 5th Floor		
<b>City:</b>	Miami	<b>Zip Code:</b>	33130
<b>Email Address:</b>	lblondet@miamigov.com	<b>Phone #:</b>	305-416-1536
<b>Project Address:</b>	NW 11th Street to the confluence of the Miami River		

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

SIGNATURE: 

DATE: 3/30/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of Miami seeks funding in the amount of \$1,000,000 for the Seybold Canal and Wagner Creek Dredging and Environmental Clean Up Project . The total cost for the Seybold portion of the project is an estimated \$7,000,000. The total cost for the entire project is an estimated \$23,000,000. The Seybold waterway intersects the Miami River which intersects the Biscayne Bay (part of the defined Intercoastal Waterway system) and is patrolled by the US Coast Guard. The project will include the removal of contaminated sediments from the water to improve the natural environment. All dredged material that is hazardous will be disposed of in a hazardous waste landfill. The dredged material that is not hazardous will be disposed of in a local landfill. In addition, the project will improve flood water conveyance capacity from the large storm water system draining into the Seybold Canal and Wagner Creek. A volume of 8,000 cubic yards of material is proposed to be dredged at a cost of \$250 per cubic yard. The project consists of Operational Section 6, the green area, in the project boundary map included in the application. Only Section 6 is eligible. Successful completion of this project will also increase property value of the residences and marine industrial business along the Seybold Canal as well as removing downstream contamination.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Miami		<b>Project Title:</b>	Seybold Canal and Wagner Creek Dredgi	
<b>Total Project Cost: \$</b>	2,000,000	<b>FIND Funding Requested: \$</b>	1,000,000	<b>% of Total Cost:</b>	50%
<b>Amount and Source of Applicant's Matching Funds:</b>	City of Miami appropriated \$1,000,000 in matching funds from the Office of Capital Improvement Project B-50643. Total estimated cost is \$23 million. Including the match for previous FIND awards & this application, \$9,631,938 is available as listed: Stormwater Utility Fund - \$2,964,457; Storm Sewer General Obligation Bond- \$617,481; FIND & City match - \$5,800,000. The 2016 Florida Legislature approved \$250,000. Funding balance coming from a Florida State revolving loan.				

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☒

2. If leased or other, please describe lease or terms and conditions:

Not applicable

3. Has the District previously provided assistance funding to this project or site? Yes: ☒ No: ☐

4. If yes, please list:

FY 2014 - 2015 \$1,000,000; FY 2015 - 2016 \$700,000; FY 2016 - 2017 \$1,200,000

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

The Seybold and Wagner Canal includes City of Miami publicly accessible Point Park which includes approximately 400 linear feet of seawall where boats will be able to dock.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

Successful completion of the dredging will allow for increased daily use by private and commercial vessels 24 hours a day instead of only at high tide.

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	Not Applicable	Not Applicable	Not Applicable
DEP	Yes	Intentionally Left Blank	01/25/16
ACOE	Yes	03/03/2016	06/27/2016
COUNTY / CITY	Yes	Intentionally Left Blank	10/3/2016

## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Seybold Canal and Wagner Creek Dredging and Environmental Clean-Up
<b>Applicant:</b>	City of Miami

---

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of one type based upon the predominant cost of the project elements.)

The project addresses District priority #1 Public navigation channel dredging.

- b) Explain how the project fits this priority category.**

The main objective of the Seybold Canal and Wagner Creek Dredging and Environmental Clean-Up Project is the removal of contaminated sediments from the water to improve the natural environment and the deepening of the waterways thus improving vessel navigation.

*(For reviewer only)*

Max. Available Score for application    50

Question 1. Range of Score    (1 to 8 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.

Single family homes and businesses along the Seybold Canal have recreational and commercial vessels resting on the bottom of the waterway at low tide, unable to navigate the canal in order to use the Miami River to access the Intracoastal Waterway and Biscayne Bay.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

Dredging the canal will significantly improve vessel navigation and docking. This is beneficial to adjoining homes, businesses and docking along Point Park. Operations will increase due to improved canal travel to the Miami River which provides access to the Biscayne Bay and ICW.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

Dredging would resolve homes' and businesses' limited operation by improving navigation so that vessels may pilot the Seybold Canal regardless of tide. It is a public waterway with unrestricted public access from the Miami River. Quantified locations are: Alimar at the River Inc / "Campeones Boatyard", 600 NW 7 Ave, River's Edge Marine Inc / "Popeye's Boatyard".

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

The project will improve accessibility to the ICW regardless of tide. Successful completion will increase the property value of the residences and marine industrial businesses along the Seybold Canal and, therefore increase tax revenue which in the long run would be a return on the public investment made into this project. Lastly, dioxin (a hazardous chemical) will be removed from the canal's sediments that flow into the Miami River to the ICW and Biscayne Bay. The dredged area will allow more vessels access to the Seybold Canal and Wagner Creek and provide residents from other counties access and use of the project.

- c) Are there any restrictions placed on commercial access or use of this site?

No, there are not any restrictions placed on commercial access or use of this site.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Design is complete. DERM, FDEP and ACOE regulatory permits have been acquired.  
Request for Proposal to complete dredging has been released.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

The project is currently under the jurisdiction of several governmental agencies including the city, county, state and the federal Government. This unique partnership and the varying operational practices may influence the project timeline in terms of processes to ensure compliance with all agencies involved in overseeing the project.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

Including the match for previous FIND awards and this application, \$9,631,938 is available as follows: Stormwater Utility Fund-\$2,964,457; Storm Sewer General Obligation Bond- \$617,481, FIND and City match-\$5,800,000. The Florida Legislature approved \$250,000 for the project.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

The total project cost for cleaning the Miami River and canals is estimated at \$23 million and the cost for only this portion of the project is \$7,000,000. At this time, we are unable to identify any potential cost increases.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

We issued a request for proposals to select a best value contractor and make a selection based on environmental impact, cost, methods of dredging, handling and disposing of material.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are not any usage fees associated with this project.

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Besides greatly improving marine navigation, the project has extensive environmental benefits resulting from removal of dioxin (a hazardous chemical) currently in the sediment. The City's Neighborhood Comprehensive Plan and land development regulations encourage water dependent usage to preserve recreational and Working Waterfronts as defined in the Florida Statutes.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

Maintenance, dredging, controlling, and treating future storm water discharges will ensure the improved navigation of the canal will be possible for an extensively longer time frame.

- c) **Will the program result in significant and lasting benefits? Explain.**

The significant results and lasting benefits of this project are the improved navigation, accessibility, and recreational use provided to the residences and businesses along the canal. In addition, the project will remove dioxins from the canal thereby, avoiding further downstream contamination.

- d) **Please describe any environmental benefits associated with this project.**

The project will remove dioxins and heavy metals from the canal, thereby, avoiding further downstream contamination.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

Design is complete. All permits have been acquired. The FDEP permit was received January 25, 2016 and is extended until February 16, 2018. The DERM/County permit was received October 3, 2016 and is extended until January 14, 2019. The ACOE permit was received in July 2011 and extended until June 26, 2019.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

The project no longer contains a Phase I component. The general cost estimate for only this portion of the project is \$7,000,000.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

None

*(For reviewer only)  
(1-4 points)*



---

**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Design is complete.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The completed project will enhance public usage and access, decrease environmental impacts and improve water quality.

*(For reviewer only)*

*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

The work is expected to be completed by mechanical dredging. All dredged material that is hazardous will be disposed of in an out-of-state hazardous waste landfill. All other dredged material that is not hazardous will be disposed of in a local landfill.

- b) **How are the utilized construction techniques appropriate for the project site?**

Mechanical dredging will be conducted from a barge in the canal resulting in minimal impact to parks, homeowners and businesses.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

None are identified at the present time.

*(For reviewer only)*

*(1-3 points)*

---

---

**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

There are not any unique materials for this project.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

There are not any unique construction materials used in this project.

*(For reviewer only)*  
*(1-3 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	Seybold Canal and Wagner Creek Dredging and Environmental Clean-Up Project
<b>Applicant:</b>	City of Miami

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Dredging, Dredging Support, Hauling Transportation & Disposal	\$2,000,000  8,000 cubic yards at \$250 per cubic yard	\$1,000,000	\$1,000,000

<b>**TOTALS =</b>	<b>\$ 2,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>
-------------------	---------------------	---------------------	---------------------



**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Seybold Canal and Wagner Creek Dredging and Environmental Clean-Up
<b>Applicant:</b>	City of Miami

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

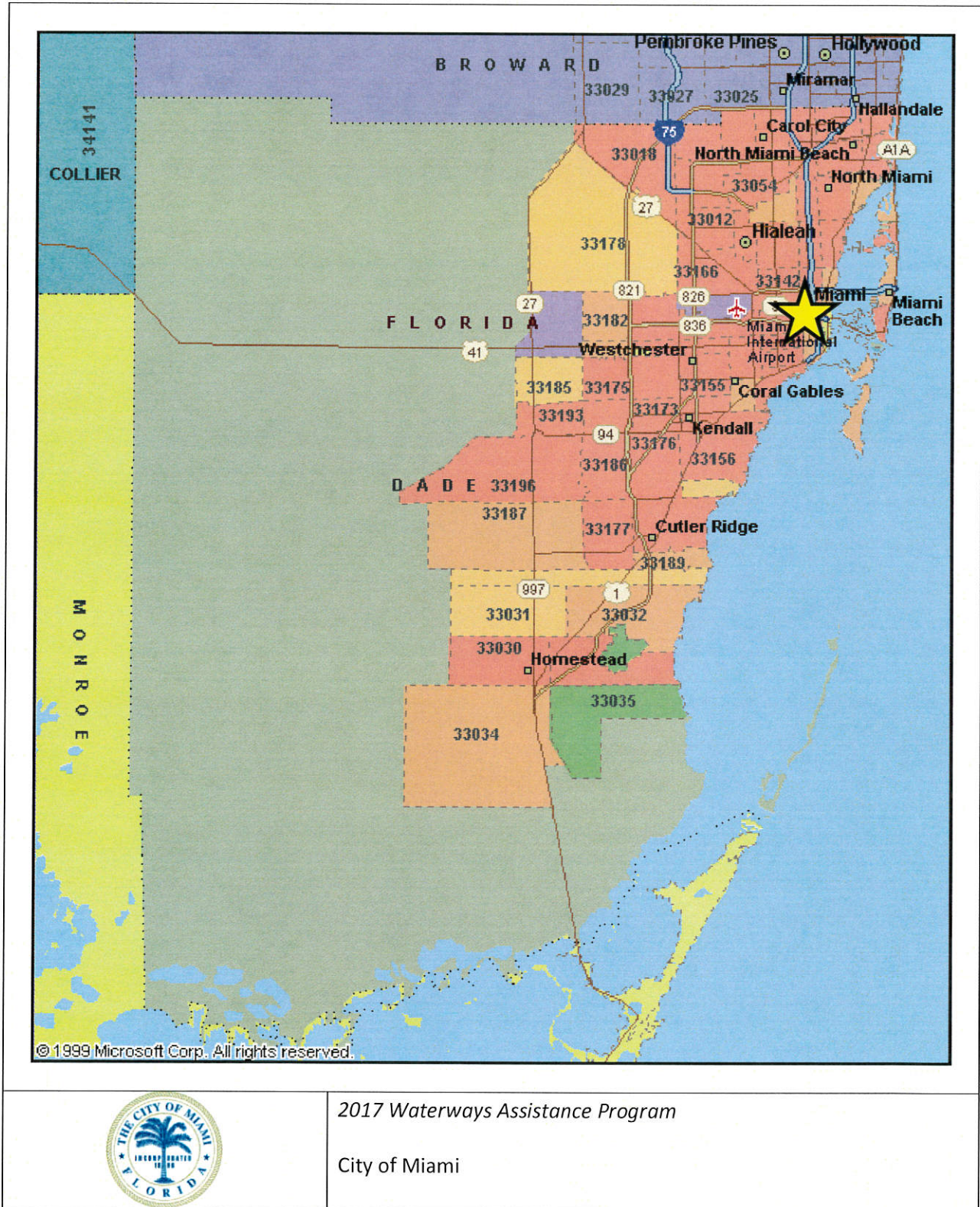
**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

---

Corrective Action Plan - Version 2	8/19/2009
Procurement	3/17/2017
USACE NW No. 33 Fill Permit (manatee barrier)	3/18/2017
Contact Award	3/31/2017
FIND Contract Execution	11/31/2017
FDEP Construction Phase Permit	2/16/2018
Dredging, Dredging Support, Transportation & Disposal	3/12/2018
Project Close-Out	4/11/2018
DERM Class 1 Construction Permit	1/14/2019
USACE Dredging Permit (sediment removal)	6/27/2019

Note: All dates are estimates and subject to change.

## 10. City Location Map



2017 Waterways Assistance Program

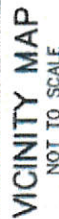
City of Miami







**FOR: CH2MHILL**



- DADE COUNTY, FLORIDA  
WAGNER CREEK &  
SEYBOLD CANAL  
MIAMI, FLORIDA

**CERTIFICATION:** I HEREBY CERTIFY THAT THE INFORMATION DETECTED HEREON IS TRUE AND COMPLETE, AND MEETS THE MINIMUM TECHNICAL STANDARDS AS ESTABLISHED BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO CHAPTER 472 OF THE FLORIDA STATUTES.

MITCHELL R. JARRELLS  
FLORIDA REGISTERED CERTIFICATE. NO. 6438

PHONE: 504/384-6077  
LICENSED BUSINESS NO. 6487

DRAWN BY:	DATE:	FIELD BOOK & PAGE	JOB NO.
JKM	11-14-08	08-08/08-09	07-10-0

-10-07

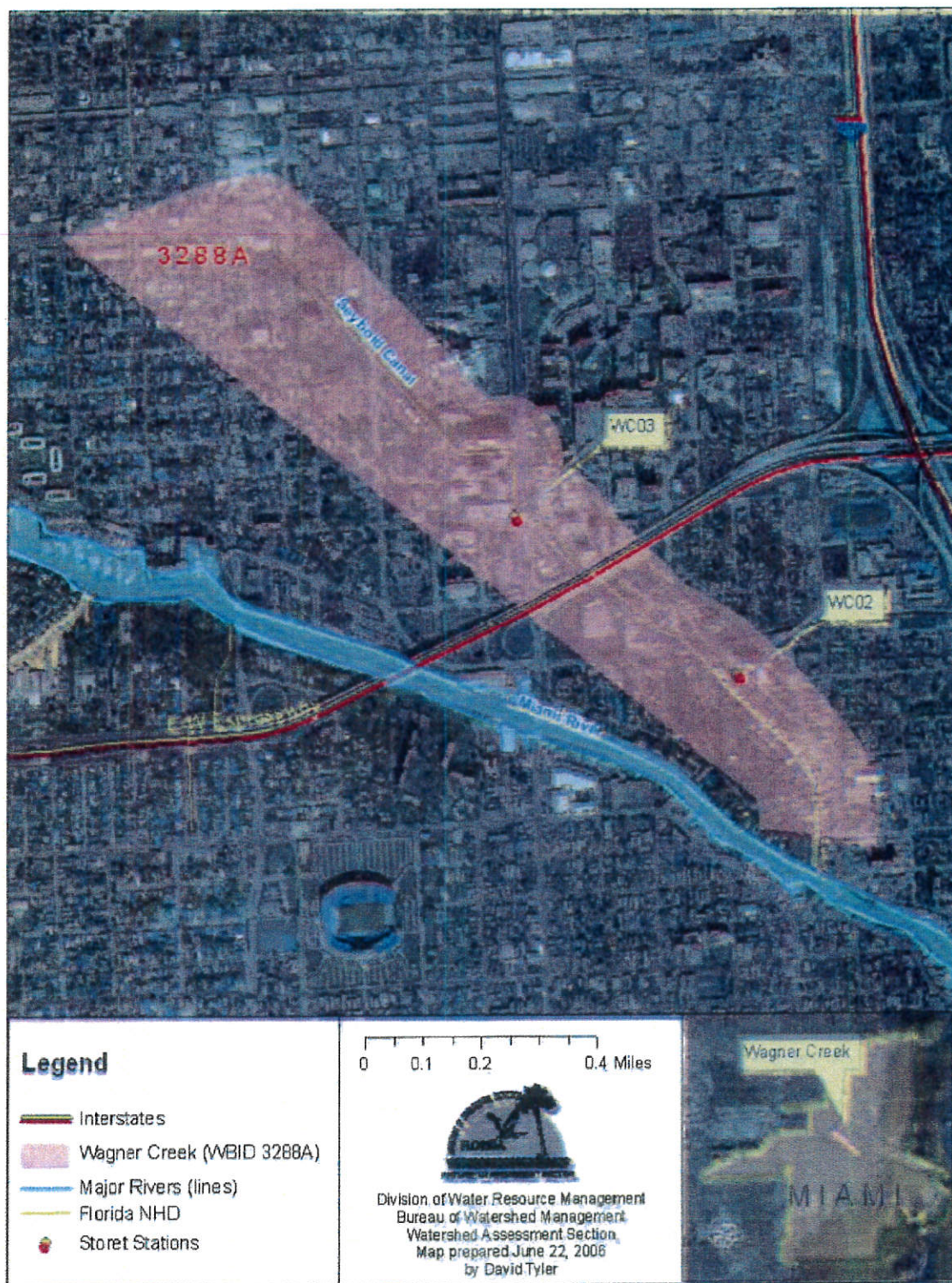
A-08-29

SURVEY NOTES:

1. ALL DIMENSIONS SHOWN HEREON ARE IN FEET AND IN TENTHS AND ARE BASED ON THE U.S. SURVEY FOOT.
2. ABOVE GRADED CAROUSEL OF UNDERGROUND FEATURES (E.G. UTILITIES, TANKS, RAILROAD TRACKS, ETC.) ARE SHOWN HEREON. UNDERGROUND UTILITIES ARE SHOWN AS MARKED BY SUNSHINE STATE ONE CALL UTILITY LOCATING SERVICE.
3. GROUND BOUNDARY OF 1985 SURVEY: BY RECORD SURVEYING AND MAPPING, CENTER LINE, JAN. 12, 2002.
4. SURVEY'S FIELD DATA WAS OBTAINED FROM JUNE 23, 2008 THRU JULY 17, 2008.
5. BACKGROUND MAPS/WAS OBTAINED FROM GOOGLE EARTH JULY 17, 2008.
6. BATHYMETRIC DATA WAS OBTAINED WITH A RESON ZIG ZAG SOUNDING. POSITIONAL DATA WAS OBTAINED WITH A TRIMBLE SINK REAL TIME KINEMATIC GPS SURVEYING SYSTEM.
7. COORDINATES SHOWN HEREON ARE BASED ON A CITY OF MAINE BENCHMARK LOCATED AT THE INTERSECTION OF THE STATE HIGHWAY 101 AND THE STATE PLANE COORDINATE SYSTEM. PLUMED IN WITH AVE., AND ARE REFERENCED TO THE STATE PLANE COORDINATE SYSTEM. PLUMED IN WITH AVE. (MAGNETIC).
8. ELEVATIONS SHOWN HEREON ARE BASED ON A CITY OF MAINE BENCHMARK LOCATED AT THE SOUTHEAST CORNER OF NW 13TH AVE., HAVING AN ELEVATION OF 4.37' MLLW, AND IS REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
9. THE GEOLOGICAL LOCATIONS, CRACK LOCATIONS, DEBRIS LOCATIONS, AND STRUCTURE LOCATIONS SHOWN ON THIS SURVEY WERE IDENTIFIED BY THE ENVIRONMENTAL CONSULTING GROUP, INC. (ECG) ON JULY 17, 2008. ECG HAS NO DATA FOR WEST PALM BEACH, FLORIDA. 334TH INFORMATION REQUESTS IN REGARD TO THESE LOCATIONS SHOULD BE DIRECTED TO IRIAL, SMAN & ASSOCIATES.
10. THE PROPOSED DREDGE CUT LINES AND GRADES SHOWN ON THESE CROSS-SECTIONS ARE TO BE FIELD VERIFIED IN ORDER TO REDUCE THE MAXIMUM EXTENT OF RESTRAINT WITHOUT COMPROMISING STRUCTURES LOCATED ADJACENT TO OR WITHIN THE DESIGNATED WORK AREA.
11. THE PROPOSED CANAL, LAKE, WATERS AND THEREFORE FILL TO THE LANDS BEYOND THE MEAN HIGH WATER OF THE STATE OF FLORIDA, AND BEYOND OF THE TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA.

SHEET 1 OF 23







## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

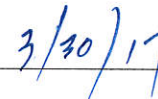
<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Miami		
<b>Department:</b>	Office of Capital Improvements		
<b>Project Title:</b>	25th Road End of Street - Phase 1 - Seawall, Baywalk and Floating Dock		
<b>Project Director:</b>	Carlos Lozano	<b>Title:</b>	Special Projects Coordinator
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Lillian Blondet	<b>Title:</b>	Director Grants Administration
<b>Mailing Address:</b>	444 SW 2nd Avenue, 5th Floor		
<b>City:</b>	Miami	<b>Zip Code:</b>	33130
<b>Email Address:</b>	lblondet@miamigov.com	<b>Phone #:</b>	305-416-1536
<b>Project Address:</b>	SE 25th Road End of Street, Miami, FL 33136		

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

SIGNATURE: \_\_\_\_\_



DATE: \_\_\_\_\_



**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of Miami is requesting funding for Phase 1, design and permitting for 120 linear feet of new seawall, baywalk and floating dock at the end of the street of 25th Road. The seawall is damaged and in need of replacement and/or repair to avoid further deterioration. The seawall shows evidence of concrete damage and exposed rebar; it is at the end of its life expectancy. The segment of seawall and baywalk will work to establish pedestrian connectivity to current and future baywalks along Biscayne Bay and the nearby Atlantic Intracoastal Waterway (ICW). The addition of a new floating dock will allow entry and docking of small marine vessels, further increasing public access to the ICW.

The project involves Phase 1 activities to assess the current state of the seawall above and below the waterline, identify whether repair or replacement is required, and complete design and permitting for the seawall, baywalk and floating dock. The City of Miami is requesting \$84,409 in grant funding (50% of the total eligible project costs) for this project. The city is committed to providing a 50% match from the City of Miami Office of Capital Improvement Project #40-B183400.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Miami		<b>Project Title:</b>	25th Road End of Street - Phase 1 - Seaw	
<b>Total Project Cost: \$</b>	\$201,457	<b>FIND Funding Requested: \$</b>	\$84,409	<b>% of Total Cost:</b>	50% (eligible)
<b>Amount and Source of Applicant's Matching Funds:</b>	The cost of the project is \$201,457. There are \$168,818 in eligible costs. The total project costs include \$32,639 of ineligible administrative costs. The City of Miami is allocating matching funds in the amount of \$84,409 or 50% of the total eligible project costs. These matching funds are currently available in the Office of Capital Improvement (OCI) Project #40-B183400.				

1. **Ownership of Project Site (check one):** Own: ☐ Leased: ☐ Other: ☒

2. **If leased or other, please describe lease or terms and conditions:**

The site is in the public right of way, that the City is responsible for maintaining.

3. **Has the District previously provided assistance funding to this project or site?** Yes: ☐ No: ☒

4. **If yes, please list:**

5. **What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

Public access includes 120 linear feet of waterfront along the seawall. At this time, there is no baywalk or floating dock in the project area.

6. **How many additional ramps, slips, parking spaces or other access features will be added by this project?**

Once Phase II of this project is complete, there will be one baywalk and one floating dock added to the project site.

7. **Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	Yes	TBD	TBD
DEP	Yes	TBD	TBD
ACOE	Yes	TBD	TBD
COUNTY / CITY	Yes	TBD	TBD

## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	25th Road End of Street - Phase 1 - Seawall, Baywalk and Floating Dock
<b>Applicant:</b>	City of Miami

---

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application. (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority 12: Public waterfront parks and boardwalks and associated improvements

- b) Explain how the project fits this priority category.

The project will provide a seawall, baywalk and floating dock to the project site.

*(For reviewer only)*

Max. Available Score for application     45

Question 1. Range of Score    (1 to 3 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.

Located near Biscayne Bay and the ICW, the end of 25th Road is an ideal location for recreational water access. The baywalk and seawall add connectivity, increasing access. This aligns with FIND's mission to provide for local governmental waterway improvement projects.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

The project will benefit navigation by providing water access for recreational boaters traveling to the ICW from Biscayne Bay; and will establish pedestrian connectivity to current and future baywalks along Biscayne Bay and the nearby ICW.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

Usage of the baywalk and floating dock will be accessible since the end of 25th Road is in the public right of way owned by the City of Miami. The project site is 1/3 of a mile from the ICW and is a convenient location where the local population and visitors will utilize the baywalk and dock to access recreational boating.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

The project will establish a baywalk and floating dock that will provide easy access for the local population and visitors for navigation to the ICW and Biscayne Bay. The completed seawall, baywalk and floating dock, located in the public right of way, will provide for unlimited public use to residents and visitors for pedestrian/bicycle use and recreational boating activities. Residents from other counties will also benefit from the project. The area is not restricted to local residents and welcomes all visitors.

- c) Are there any restrictions placed on commercial access or use of this site?

This project site is located in a residential area. The completed project will be for recreational use only.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The estimated timeline to complete Phase 1 design and permitting is 24 months.

Months 1-6: contract execution, procurement, bid and award process.

Months 7-24: survey, design and permit services.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

None are anticipated at this time.

*(For reviewer only)*

*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The cost of the project is \$201,457. The City of Miami is allocating matching funds in the amount of \$84,409 (eligible costs) plus OCI Administrative costs of \$32,639 (ineligible costs) to be provided by OCI Project #40-B183400.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

An increase in costs is not anticipated.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

All efforts will be made to garner the most cost-effective and cost-efficient contract through issuance of an RFP to identify the best qualified design and engineer consultants.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

No fees are charged for access and use of the project area.

*(For reviewer only)*

*(1-6 points)*

---



**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?**

Located immediately adjacent to Biscayne Bay, the floating dock and baywalk are vital for continued public access to the ICW. The baywalk will connect to current and future baywalks, per the Miami Baywalk Mobility Plan. This will give pedestrians and bicyclists access by linking to sites near the ICW. The area lacks a safe floating dock. Recreational water activities among local residents and visitors is in high demand, thus water accessibility in the area is necessary.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Miami's Public Works Department will be responsible for maintaining the project area. Annually, funding is allocated for maintenance of public-right-of-ways.

- c) **Will the program result in significant and lasting benefits? Explain.**

Completion of this project will result in significant and lasting benefits for Miami residents and visitors as the floating dock will increase/improve access to the ICW and Biscayne Bay. The baywalk and seawall are integral to the Miami Baywalk Mobility Plan which seeks to create public access to the waterfront and determine optimal gateways for connecting residential, cultural and business districts; and create connections to existing parks, recreational areas, trails and public transportation.

- d) **Please describe any environmental benefits associated with this project.**

The construction of the floating dock and restoration of the seawall stabilize the shoreline and decrease the amount of erosion runoff that occurs as a consequence of the water's action undermining the banks. The baywalk will support the use of alternative forms of transportation such as walking, cycling and public transportation, thereby mitigating the effect of motor vehicles by reducing the air pollution they contribute to the environment.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

---

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

This is a Phase I project for design and permitting. The City of Miami will meet with all the required regulatory agencies regarding the project and permits to be obtained during this phase of this project.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

Tasks include surveying and field monitoring; engineering analysis; regulatory compliance; and final engineering design. Phase II is estimated to have a cost of \$900,000. The amount may change depending on the assessment which will determine whether the seawall needs to be repaired or completely replaced.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

No impediments are anticipated.

*(For reviewer only)  
(1-4 points)*



---

**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

This is a Phase I design and permitting project. A preliminary design and permitting will begin once a consultant has been chosen through the City's procurement process.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The floating dock will give recreational boaters increased accessibility to the ICW via Biscayne Bay. The baywalk will increase public access and viewing opportunities of Biscayne Bay and the ICW. Additionally, the repair or replacement of the seawall will defend against water pollution by preventing shoreline destabilization and erosion material spilling into the Bay.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

During Phase I, construction will not take place. In Phase II, standard construction techniques will be utilized including demolition, excavation, drainage, pipes and wells, steel and concrete work.

- b) **How are the utilized construction techniques appropriate for the project site?**

Standard construction techniques will be utilized as approved by the appropriate regulatory agencies, during Phase II of the project. Design, materials and construction techniques will be consistent with strengthening structural capacity and ensuring the maximum life expectancy possible.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

No unusual construction techniques are anticipated.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

This request is for Phase I Design and Permitting. Design, materials and construction techniques will be consistent with strengthening to structural capacity and ensuring the maximum life expectancy possible.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

The City does not anticipate any unique construction materials associated with this project.

*(For reviewer only)*  
*(1-3 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A  
 Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)



## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	25th Road End of Street - Phase 1 - Seawall, Baywalk and Floating Dock
<b>Applicant:</b>	City of Miami

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Months 1-6: Contract execution, procurement, bid and award process.	\$0	\$0	\$0
Months 7-24: Assessment above and below the waterline, design for seawall repair or replacements, baywalk design and permitting.	\$168,818 eligible costs \$32,639 ineligible costs	\$84,409 eligible costs \$32,639 ineligible costs	\$84,409

<b>**TOTALS =</b>	<b>\$ 201,457</b>	<b>\$ 117,048</b>	<b>\$ 84,409</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	25th Road End of Street - Phase 1 - Seawall, Baywalk and Floating Dock
<b>Applicant:</b>	City of Miami

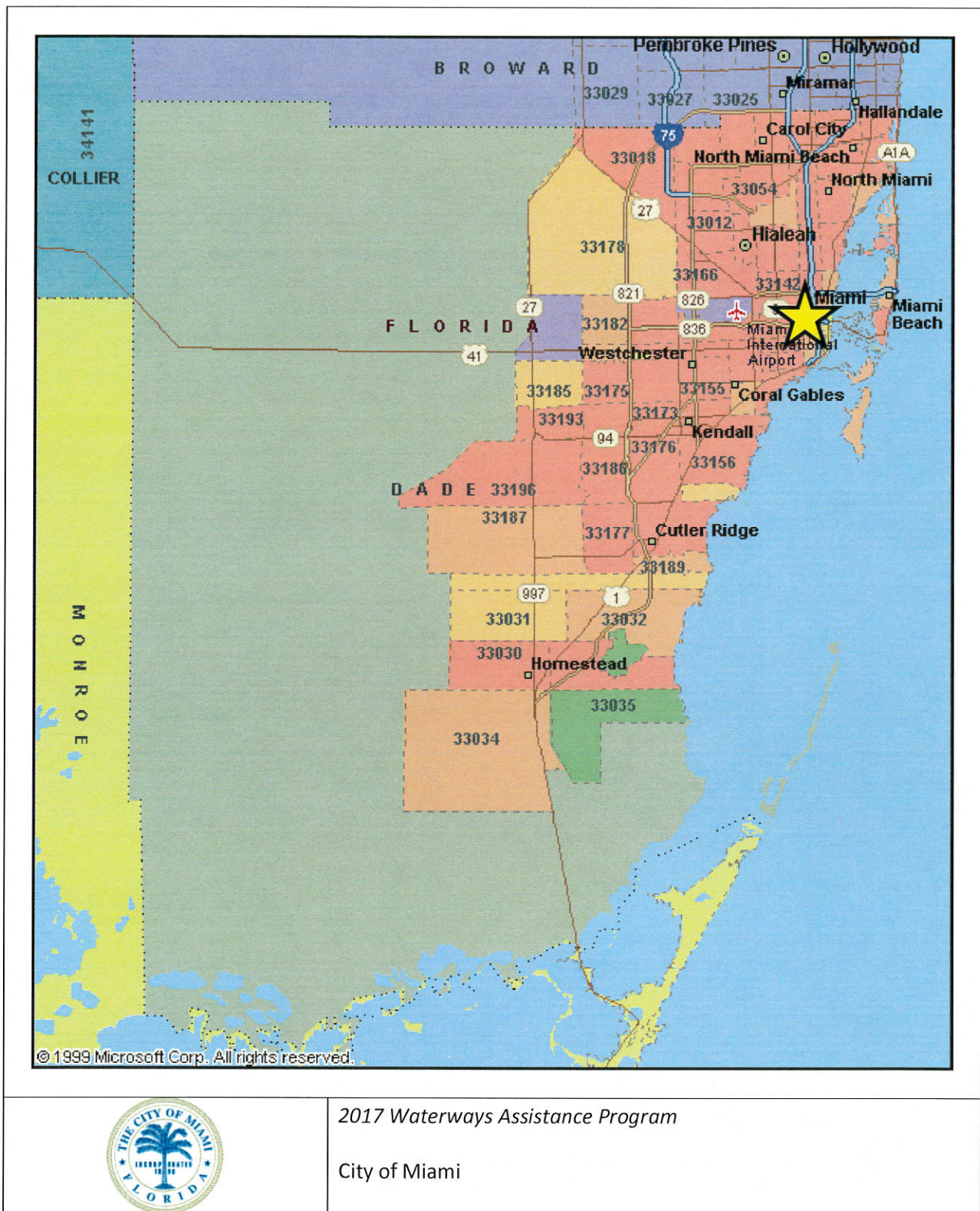
The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Months	Task	Duration	Description
October 2017-March 2018	Procurement Process	6 months	These months will include contract execution, procurement and bid and award procedures. The City will hire a qualified design and engineering firm to do the design and engineering of this project.
April 2018-September 2018	Design & Permitting	18 months	Design services and permitting applications for Phase I will be completed within this time frame.



## 10. City Location Map







# 11. Project Boundary Map



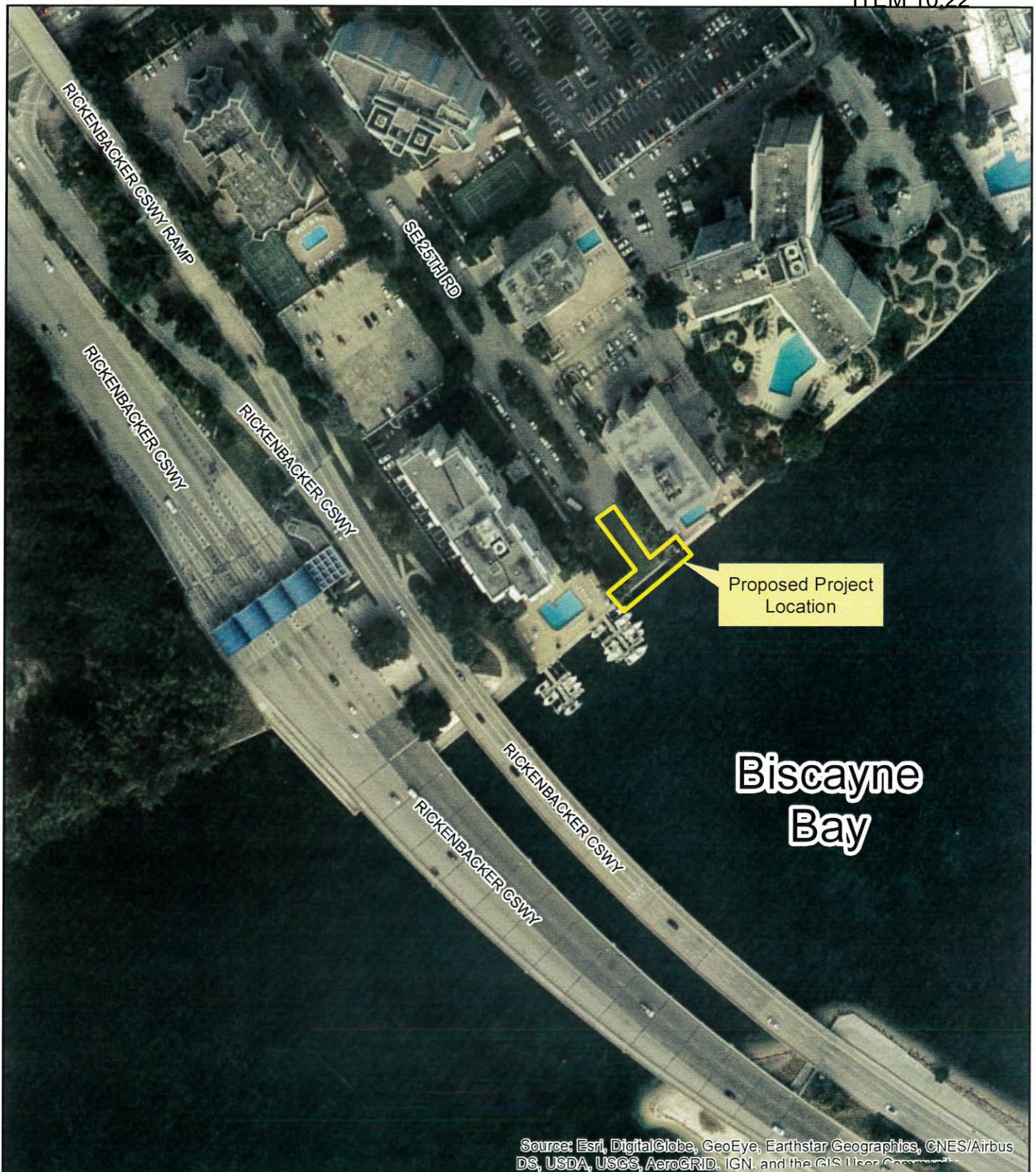
City of Miami

Application: 25th Road End of Street - Phase 1  
Seawall, Baywalk, and Floating Dock

Created by the City of Miami Planning Department: 3/13/2017

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## 12. Site Development Plan Map

City of Miami

Application: 25th Road End of Street - Phase 1  
Seawall, Baywalk, and Floating Dock



Created by the City of Miami Planning Department: 3/13/2017

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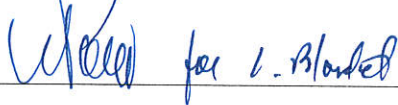
## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

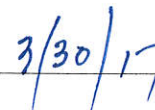
<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Miami		
<b>Department:</b>	City of Miami Police Department		
<b>Project Title:</b>	MPD Marine Patrol Vessel		
<b>Project Director:</b>	Alex Valdes	<b>Title:</b>	Police Sargent
<b>Project Liaison:</b> <small>(if different from Project Director)</small>	Lillian Blondet	<b>Title:</b>	Director Grants Administration
<b>Mailing Address:</b>	444 SW 2nd Avenue, 5th Floor		
<b>City:</b>	Miami	<b>Zip Code:</b>	33130
<b>Email Address:</b>	lblondet@miamigov.com	<b>Phone #:</b>	305-416-1536
<b>Project Address:</b>	City of Miami Jurisdictional Waters		

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

SIGNATURE: \_\_\_\_\_



DATE: \_\_\_\_\_



**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

This project will go towards the funding of a marine vessel for the City of Miami Police Department's (MPD) Marine Patrol Unit. The MPU is responsible for ensuring the safety of all residents and visitors in City of Miami jurisdictional waters, including segments of the Intracoastal Waterway (ICW), as well as enforcing laws that protect the waterways, marine life and the surrounding environment.

The MPD Marine Patrol Unit (Marine Patrol) strives to keep all who navigate in City of Miami jurisdictional waters, safe and to make sure that laws are followed and enforced. Often, the Unit works with other law enforcement agencies and non-law enforcement entities such as the U.S. Coast Guard, Department of Homeland Security (DHS) and Miami-Dade Department of Environmental Resources Management. Procurement of a new marine vessel will allow the MPD Marine Patrol Unit to increase their fleet size to allow for maximized coverage of the waterways, thereby increasing public safety and protection of the environment. This project is fully supported by the City of Miami (the City) who will provide matching funding.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Miami		<b>Project Title:</b>	MPD Marine Patrol Vessel	
<b>Total Project Cost: \$</b>	118,000	<b>FIND Funding Requested: \$</b>	59,000	<b>% of Total Cost:</b>	59,000
<b>Amount and Source of Applicant's Matching Funds:</b>	The allocation of required matching funds, in an amount not to exceed \$59,000 is authorized from funds currently available from the City of Miami Police Department's General Fund under project #40-B183200.				

1. Ownership of Project Site (check one): Own: ☐ Leased: ☐ Other: ☒

2. If leased or other, please describe lease or terms and conditions:

The MPD Marine Patrol Unit will use the marine vessel in City of Miami jurisdictional waters.

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒

4. If yes, please list:

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

The project area contains navigational channels and waters through approximately 24 miles of water access within the jurisdictional limits of the City, including the ICW.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

None.

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	N/A		
DEP	N/A		
ACOE	N/A		
COUNTY / CITY	N/A		

## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	MPD Marine Patrol Vessel
<b>Applicant:</b>	City of Miami

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**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority 14: Waterway boating safety programs & equipment.

- b) Explain how the project fits this priority category.**

A marine vessel will be purchased for the MPD Marine Patrol Unit.

*(For reviewer only)*

Max. Available Score for application     44

Question 1, Range of Score    (1 to 2 points)

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## 2) WATERWAY RELATIONSHIP:

- a) Explain how the project relates to the ICW and the mission of the Navigation District.

The areas protected and supervised by the MPD Marine Patrol Unit include the portion of the ICW that runs through the City. The project aligns directly with the Navigation District's mission of assisting local governments in the improvement of waterway access.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

The MPD Marine Patrol Unit is responsible for the safety of all who travel the approximately 64 square miles of Miami's jurisdictional waters and channels. Ensuring safe passage through our waters is essential for public accessibility to the ICW and adjoining waterways.

*(For reviewer only)*  
*(1-6 points)*

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## 3) PUBLIC USAGE & BENEFITS:

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

The project area covers City of Miami jurisdictional waters, channels and land. The City of Miami not only accommodates its 441,031 residents, but national and international visitors, as well. Millions traverse through the waterways and ICW, for recreational and commercial purposes. Miami is also home to PortMiami, which is among America's busiest ports.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

City of Miami jurisdictional waters include approximately 16 miles of the ICW that run north to south. The ICW facilitates the safe transit of thousands of vessels annually through the City of Miami waters. The project will ensure continued safe access through our waters.

- c) Are there any restrictions placed on commercial access or use of this site?

There are no restrictions placed on commercial access to City of Miami jurisdictional waters.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.

The timeline of this project will be as follows:

Months 1-4: Contract execution.

Months 5-12: Purchase of the vessel.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.

No unique aspects are anticipated that could influence the project timeline.

*(For reviewer only)*  
*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.

The cost of the project is \$118,000. The City of Miami is allocating matching funds in the amount of \$59,000 (eligible costs) to be provided by the City of Miami Police Department General Fund #40-B17324.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.

No increased costs are anticipated for this project.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.

The City of Miami Police Department has an established contract with the vendor. All vessels in the Marine Patrol Unit fleet, have been purchased with this vendor to ensure cost-efficiency.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.

None.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?**

The project is focused on public and environmental safety. The MPD Marine Patrol ensures the safe passage for all that use City of Miami jurisdictional waters. Additionally, enforcement of laws protecting the environment and marine life, are also part of the Patrol's duties. This positively affects our waterways including the ICW.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The purchase of the marine patrol vessel will close out the project.

- c) **Will the program result in significant and lasting benefits? Explain.**

This program will allow the Marine Patrol to increase its ability to make sure Miami's waterways are safe for residents and visitors. MPD will be able to increase its presence, thereby deterring people from violating laws that will harm the environment and endanger public safety.

- d) **Please describe any environmental benefits associated with this project.**

The MPD Marine Patrol ensures laws are being followed that protect our waterways, marine life and surrounding environment. For example, the Marine Patrol enforces speed zones for manatee safety. The Marine Patrol also works to prohibit boaters from going across the shallows, where propeller blades can damage the seagrass, as well as preventing people from dumping bilge from their boats, which is harmful to the water and the seagrass.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4C  
LAW ENFORCEMENT & BOATING SAFETY PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A LAW  
ENFORCEMENT OR BOATING SAFETY PROJECT

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**7) VIABILITY:**

- c) Describe how the project will address particular public health, safety, or welfare issues of the Navigation District's Waterways.**

The MPD Marine Patrol is responsible for the vigilance of the City of Miami's jurisdictional waters which include approximately 16 miles of the ICW that run north to south. Patrol officers are responsible for the enforcement of laws that ensure public safety and the environmental safety of the waterways, marine life and surrounding coastal lands.

- d) How does the project provide significant benefits or enhancements to the District's Waterways?**

The ICW facilitates the safe transit of thousands of vessels annually through City of Miami Waters. Millions of visitors cross our shores and use the waterways for business and pleasure. The additional boat to the Marine Patrol Unit's fleet, will ensure continued safe access through our waters by increasing the ability of the Marine Patrol to protect the waterways, including segments of the ICW.

*(For reviewer only)  
(1-3 points)*

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**8) EXPERIENCE & QUALIFICATIONS:**

- a) List the personnel tasked with the implementation of this project, their qualifications, previous training and experience.**

Marine Patrol officers have the following certifications: Advanced Police Diver Hull Searches, Advanced Police Diver-Crime Scene Investigations II, DHS Underwater Hazardous Device Search, DHS Personal Radiation Detector Course, U.S. Coast Guard Merchant Mariner Credential and Open Water Scuba Instructor. Officer experience ranges from 1-20 years.

- b) Have the personnel participated in or received state marine law enforcement training?**

Yes. All officers in the Marine Patrol have undergone state marine law enforcement training, including Advanced Training for Underwater Police Science and Technology from the State of Florida Commission on Criminal Justice Standards and Training.

*(For reviewer only)*  
*(1-2 points)*

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**9) DELIVERABLES:**

- a) Describe the anticipated, long-term measurable results of implementing this project.**

Increased coverage of the waters will allow the Marine Patrol to maximize deterrence of violations against laws meant to protect public safety and the environment. Anticipated, long-term results include reduction of boating accident fatalities and reduction of harm to marine life.

- b) What is the range or area of coverage for this project? Please provide a map of the coverage area.**

The area of coverage is the City of Miami jurisdictional waters and channels, and the portion of the ICW that bisects these waters.

- c) Does the project fulfill a particular community need?**

Yes. The project gives our law enforcement the additional capacity needed to provide adequate public safety to all who access City of Miami jurisdictional waters.

*For reviewer only)*  
*(1-4 points)*

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**10) EDUCATION:****a) What are the educational benefits (if any) of this proposed project?**

Often times, people violate the law because of lack of knowledge on existing water safety or they are not aware how their actions can affect marine life. When a Marine Patrol Officer gives a warning or a citation to someone, they take the time to explain why a certain law or rule is in place. This helps to spread public knowledge on water and environmental safety.

**b) How does the project or program provide effective public boating education or expand boater safety?**

This marine patrol vessel will be used for law enforcement purposes. Marine Patrol Officers do inform the public of safety and environmental laws when administering warnings or citations.

*(For reviewer only)*  
*(1 -3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	MPD Marine Patrol Vessel
<b>Applicant:</b>	City of Miami

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Months:	Activities:	Duration:
October 2017- January 2018	Contract execution	4 months
February 2018-September 2018	Purchase of vessel	8 months



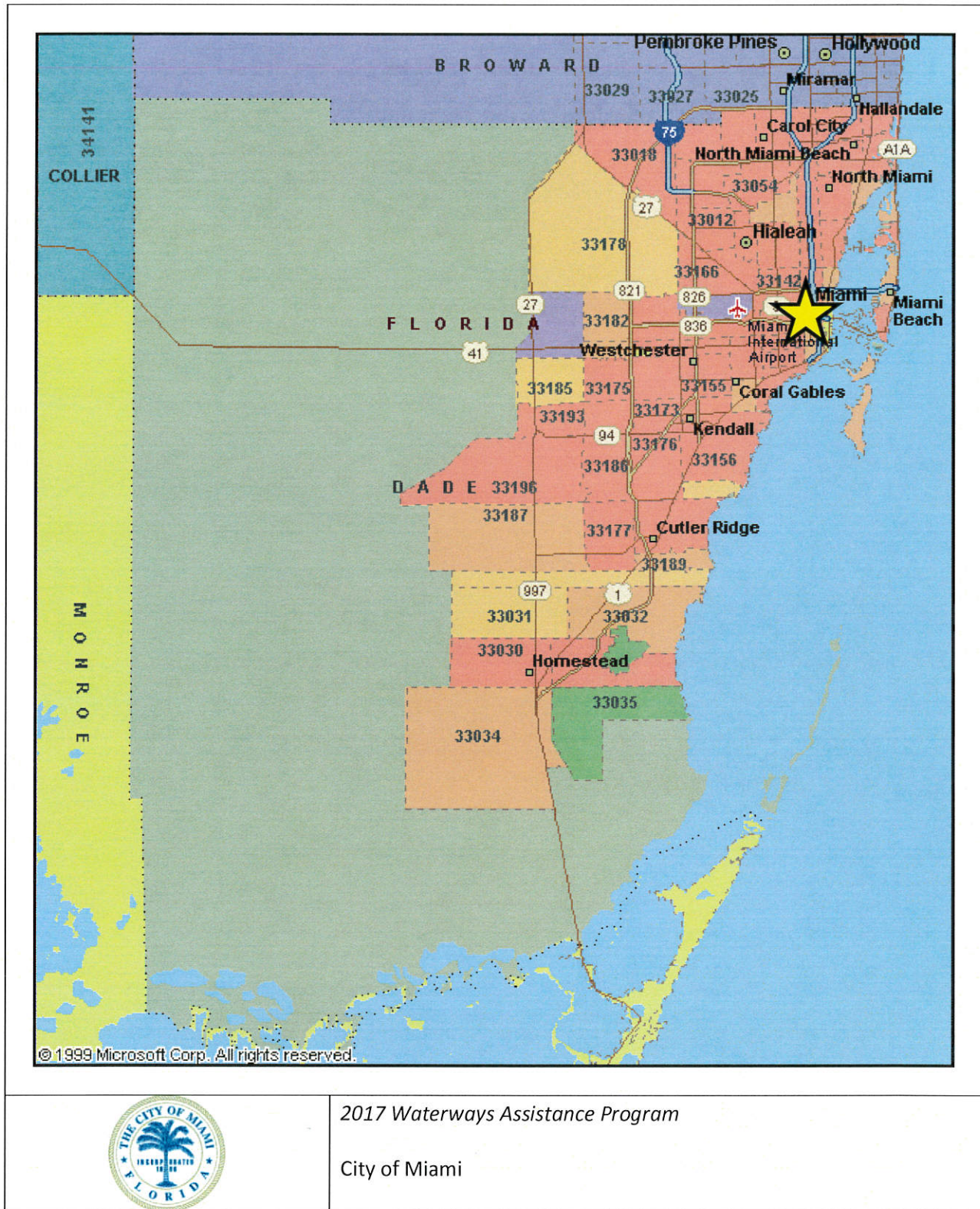
## 10. County Location Map



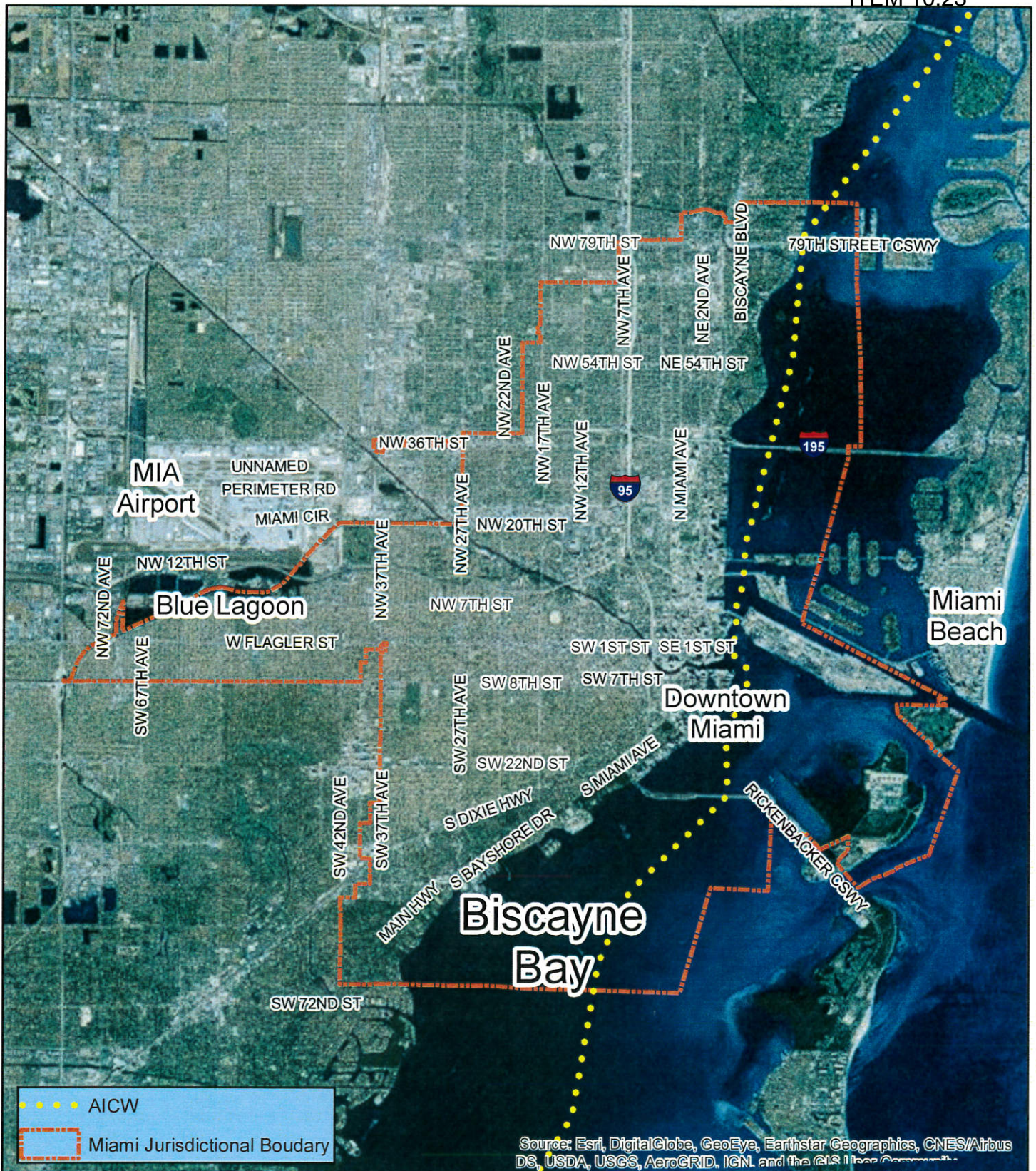
Locator Map of Miami-Dade County, 2008

Florida Center for Instructional Technology, (Tampa, FL: Florida Center for Instructional Technology, 2008)  
Downloaded from *Maps ETC*, on the web at <http://etc.usf.edu/maps> [map #f8603]

## 10. City Location Map







### 13. Coverage Area Map

City of Miami

Application: MPD Marine Patrol Vessel



Created by the City of Miami Planning Department: 3/13/2017

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## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b>	City of Miami		
<b>Department:</b>	Office of Capital Improvements		
<b>Project Title:</b>	Regatta Park - Phase 2 - Baywalk, Boat Hoists and Floating Docks		
<b>Project Director:</b>	Sandra Vega	<b>Title:</b>	Special Projects Coordinator
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Lillian Blondet	<b>Title:</b>	Director Grants Administration
<b>Mailing Address:</b>	444 SW 2nd Avenue, 5th Floor		
<b>City:</b>	Miami	<b>Zip Code:</b>	33130
<b>Email Address:</b>	lblondet@miamigov.com	<b>Phone #:</b>	305-416-1536
<b>Project Address:</b>	2699 SW 27th Avenue, Miami, FL 33133		

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

SIGNATURE: 

DATE: 3/30/12

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of Miami is requesting Phase II funding for the construction of a baywalk, boat hoists and floating docks at Regatta Park. Completion of this project is one of many components included in the Coconut Grove Waterfront and Spoil Islands Master Plan, designed to enhance coastal amenities and access at Regatta Park. The City of Miami will be installing two boat hoists for small sailboats. The boat launch hoists will be the only ones available in the area for this type of vessel. Additionally, two floating docks will be installed to facilitate the dockage for small non-motorized crafts. The baywalk amenities will allow all visitors and residents to enjoy the waterway and the coastal views.

The construction of the baywalk, boat hoists and floating docks will give ease of access to the public to the waterfront and improve the means by which small craft and sailboats may launch into Biscayne Bay and the nearby Atlantic Intracoastal Waterway (ICW).



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Miami		<b>Project Title:</b>	Regatta Park - Phase 2 - Baywalk, Boat H	
<b>Total Project Cost: \$</b>	\$916,300	<b>FIND Funding Requested: \$</b>	\$400,000	<b>% of Total Cost:</b>	50
<b>Amount and Source of Applicant's Matching Funds:</b>	The cost of the project is \$916,300. There are \$800,000 in eligible costs. The total project costs include \$116,300 of ineligible administrative costs. The City of Miami is allocating matching funds in the amount of \$400,000 or 50% of the total eligible project costs. These matching funds are currently available in the Office of Capital Improvement (OCI) Project #40-B30182C.				

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☒

2. If leased or other, please describe lease or terms and conditions:

3. Has the District previously provided assistance funding to this project or site? Yes: ☒ No: ☐

4. If yes, please list:

Yes. In 2014 for Regatta Park Phase I, Design and Permitting.

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

There is approximately 150 ft. of baywalk, 125 sailboats moored and a managed mooring field with 200 vessels beyond Dinner Key Islands. Dinner Key Marina has 581 vessels docked at the site. There is a City owned/operated boat launch nearby with 6 ramps and parking for 46 trailers.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

Completion of this project will add two hoists for small boats, two floating docks and modifications to the existing baywalk to accommodate the new hoists and docks.

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	Yes	04/09/2016	10/12/2016
DEP	Yes	04/09/2016	10/12/2016
ACOE	Yes	04/09/2016	03/14/2017
COUNTY / CITY	Yes	TBD	TBD

## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Regatta Park - Phase 2 - Baywalk, Boat Hoists and Floating Docks
<b>Applicant:</b>	City of Miami

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**1) PRIORITY LIST:**

- a) **Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

This project addresses District Priority 7: Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities.

- b) **Explain how the project fits this priority category.**

The City of Miami developed the Coconut Grove waterfront into a coastal recreational park. The completed project will culminate in a public baywalk and promenade, boat hoists for pleasure craft and floating docks.

*(For reviewer only)*

Max. Available Score for application     47

Question 1. Range of Score    (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.

Located on Biscayne Bay, west of the ICW, the project relates to the District's mission to develop boat launching facilities for public use. Surrounding coastal park and boating facilities attract over 180,000 people annually to enjoy facilities and public recreation on Biscayne Bay.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

Completion of this Phase II project will result in an increase in public access and viewing areas for the waterways. The new construction will also facilitate boating and sailing activities on Biscayne Bay and the nearby ICW.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

The thousands of residents and visitors who visit Regatta Park will use the baywalk area, boat hoists and floating docks. Coconut Grove hosts about a dozen sailing events and races including the Bacardi Cup, Rolex and U.S. Olympic Trials. This project will facilitate the means by which small crafts and sailboats can launch into Biscayne Bay and the ICW.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

The baywalk, boat hoists and floating docks at Regatta Park will provide regional and local public benefits by improving public access to the waterfront and viewing areas. Park visitors, boaters and sailors will enjoy improved access to Biscayne Bay and the nearby ICW. Residents from other counties of the District will also benefit from the project. This is a public park and welcomes all visitors.

- c) Are there any restrictions placed on commercial access or use of this site?

At the present time there are no restrictions. The City may choose to give commercial access to the project site.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Design and permitting has been completed for this project. The estimated timeline for Phase II is 24 months and will include:

Months 1-9: selection of contractor(s)

Months 7-24: commencement of construction, completion of construction.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

None are anticipated.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The cost of the project is \$916,300. The City of Miami is allocating matching funds in the amount of \$400,000 (eligible costs) plus OCI Administrative costs of \$116,300 (ineligible costs) to be provided by OCI Project #40-B30182C.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

An increase in the cost is not anticipated.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

To maximize cost-efficiency, the City will utilize local distributors and contractors.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees associated with use of facilities at Regatta Park. Optional commercial might be available for a fee. For example, the City may allow a sailboat manufacturer to use the project site to showcase product. Commercial use fees would be on a case by case basis.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?**

The Coconut Grove Waterfront Area and Spoil Islands (known as Dinner Key) is a coastal area that encompasses Peacock Park, Dinner Key to Kennedy Park, including the islands and anchorages. Regatta Park encompasses the middle section of the coastal area and it will enhance the water component and recreational elements by allowing water access to small motor boats, sailboats and other pleasure craft for park visitors. When completed, this project will provide additional hoists in the area for small sailboats.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Miami Department of Parks and Recreation will maintain the landscaping for the project site and the Miami Parking Authority maintains the parking areas. The Marina, which is operated by the Department of Real Estate and Asset Management, maintains the water-related facilities. Additionally, the City will work with the adjacent sailing club to provide additional maintenance to the boat hoists and floating docks.

- c) **Will the program result in significant and lasting benefits? Explain.**

Yes, the construction of the baywalk, boat hoists and floating dock at Regatta Park is part of the growth envisioned for the community, as outlined in the Coconut Grove Waterfront and Spoil Islands Master Plan. The completion of this Phase II project will provide the public with increased access to Biscayne Bay and the ICW and improve their enjoyment of the waterfront.

- d) **Please describe any environmental benefits associated with this project.**

The significant environmental benefits of this project consists of the improvements to the coastal recreational resources and public safety in one of the City's most popular areas with access to Biscayne Bay and the ICW.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

Yes. All required environmental and regulatory agency permits have been applied for. The DEP permit was issued on 10/12/16 and the WMD permit consultation is included in the DEP permit. The USACE permit was secured on March 14, 2017. County/City environmental permits are not applicable, but we will be acquiring the required permits for construction.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

This is a Phase II project. The total cost of this project is \$916,300.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

No significant impediments are anticipated.

*(For reviewer only)  
(1-4 points)*



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**8) PROJECT DESIGN:**

- a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Through the City's procurement process, a design consultant was selected for Phase I of this project. All design work has been completed.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The floating docks will enhance access to recreational activities. The hoists will be available in the area for small regatta sailboats and other pleasure craft, thereby facilitating access to the water with minimal environmental impact.

*(For reviewer only)*  
*(1-2 points)*

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**9) CONSTRUCTION TECHNIQUES:**

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

Construction techniques are standard and involve materials well-suited to South Florida weather conditions. There will be installation of concrete platforms, piles and marine grade equipment along the baywalk segment of approximately 150 linear feet. Concrete piling, concrete platforms, aluminum handrails and aluminum docking will be used for the floating dock. Marine grade metal will be used for the boat hoists.

- b) **How are the utilized construction techniques appropriate for the project site?**

The project uses standard construction techniques appropriate for marine construction.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

There are no unusual construction techniques that may increase or decrease the costs of the project.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Materials for the floating docks include concrete piling and aluminum docking. The design life of the floating dock is a minimum of 20 years. Reinforced concrete materials will be used for the baywalk construction that is consistent with the code and environmental considerations of the area. Boat hoists construction will consists of marine grade metals.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

There are no unique construction materials the may significantly alter the project costs.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT**  
**TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A  
Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)



## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	Regatta Park - Phase 2 - Baywalk, Boat Hoists and Floating Docks
<b>Applicant:</b>	City of Miami

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Demolition	\$108,150	\$54,075	\$54,075
Seawall Construction	\$43,742	\$21,871	\$21,871
Walkway	\$100,704	\$50,352	\$50,352
Boat Hoists	\$305,800	\$152,900	\$152,900
Floating Dock	\$241,604	\$120,802	\$120,802
Ineligible Costs	\$116,300	\$116,300	\$0
<b>**TOTALS =</b>	<b>\$ 916,300</b>	<b>\$ 516,300</b>	<b>\$ 400,000</b>

**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Regatta Park - Phase 2 - Baywalk, Boat Hoists and Floating Docks
<b>Applicant:</b>	City of Miami

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

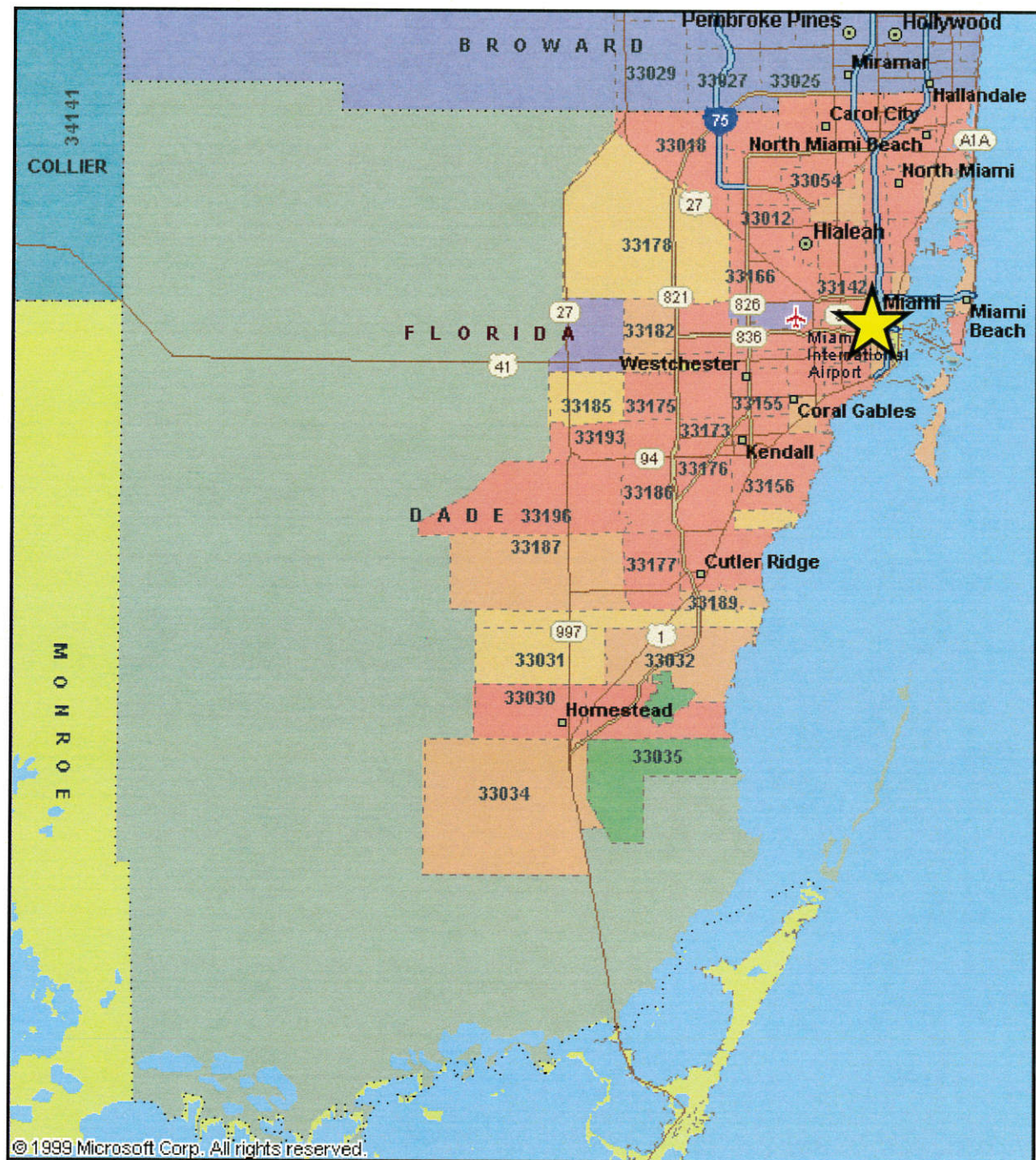
**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Permits have been secured and contractors will be selected by September 2017. Construction is anticipated to begin mid-October 2017. Completion of the projected is expected by (?)

Timeline	Task	Duration	Description
October 2017-June 2018	Selection of contractor	9 months	Procurement, bid and award process to select a contractor.
July 2018- September 2018	Construction	15 months	Commencement of construction and completion of project site construction.



## 10. City Location Map



2017 Waterways Assistance Program

City of Miami





# 11. Project Boundary Map



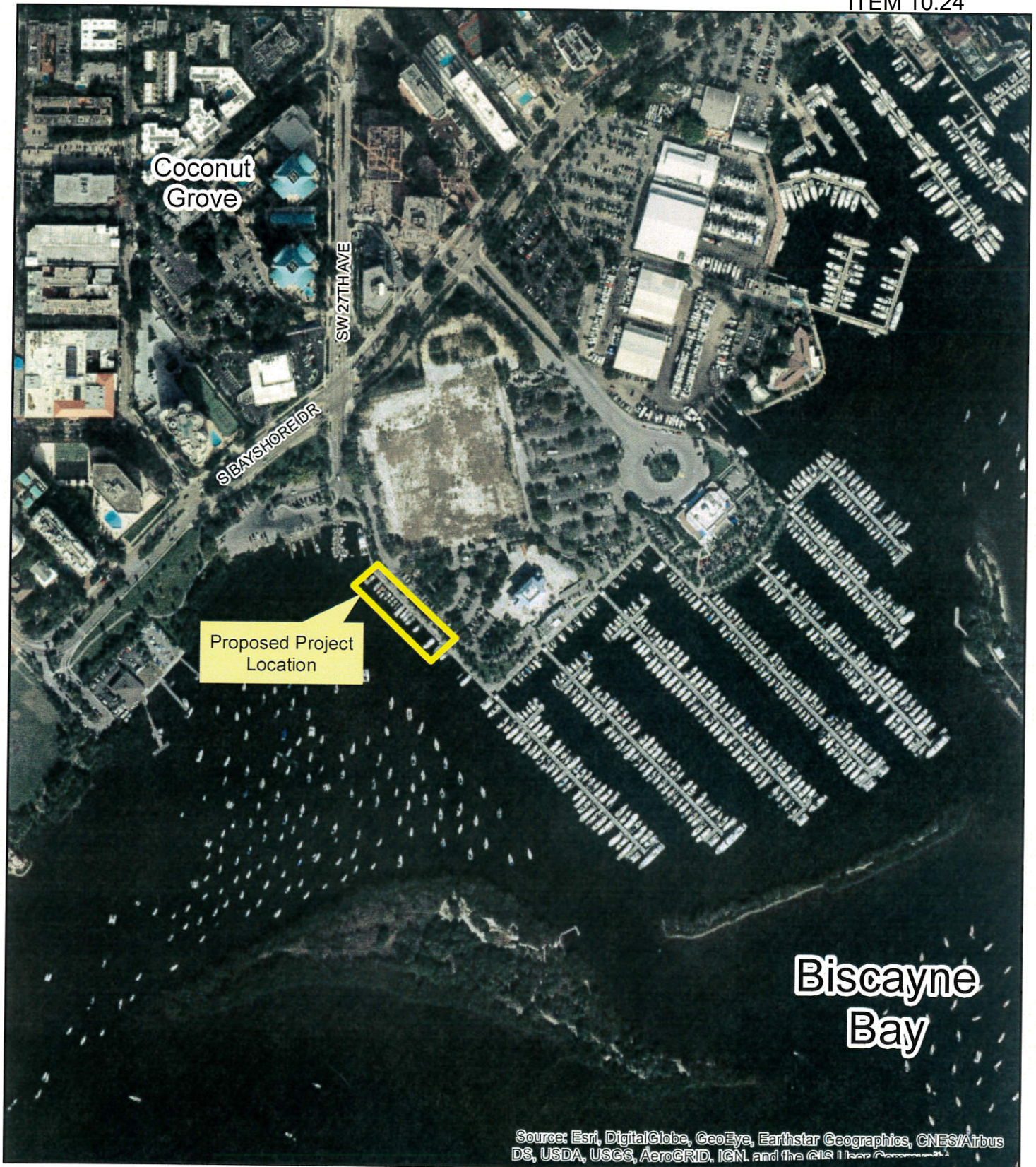
Created by the City of Miami Planning Department: 3/13/2017

City of Miami

Application: Regatta Park - Phase 2 - Baywalk,  
Boat Hoists, and Floating Docks

Miles 0 0.5 1 2





## 12. Site Development Plan Map

City of Miami

Application: Regatta Park - Phase 2 - Baywalk,  
Boat Hoists, and Floating Docks



Created by the City of Miami Planning Department: 3/13/2017

Miles 0 0.05 0.1 0.2



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b> City of Miami Beach			
<b>Department:</b> Public Works			
<b>Project Title:</b> Indian Beach Park			
<b>Project Director:</b> Bruce Mowry		<b>Title:</b> City Engineer	
<b>Project Liaison:</b> <small>(if different from Project)</small> Judy Hoanshelt		<b>Title:</b> Grants Management Division Director	
<b>Mailing Address:</b> 1700 Convention Center Drive			
<b>City:</b> Miami Beach		<b>Zip Code:</b> 33139-1819	
<b>Email Address:</b> <a href="mailto:JudyHoanshelt@miamibeachfl.gov">JudyHoanshelt@miamibeachfl.gov</a>		<b>Phone #:</b> 305-673-7510	
<b>Project Address:</b> Indian Beach Park – 46 <sup>th</sup> Street and Collins Avenue			

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

SIGNATURE: \_\_\_\_\_

DATE: 3/31/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

This project will provide shoreline access to pedestrians at Indian Beach Park, Miami Beach. For the past century, seawalls were placed to stabilize the shorelines of the City and to provide the public with easy access to Biscayne Bay for boating, fishing, viewing, and other recreational activities. Lamentably, the decades-long deterioration of these navigational structures has resulted in shoreline erosion, which threatens the quality of the water in the Intracoastal Waterway. This project will restore the structural integrity of the seawall, prevent the discharge of sediment into Biscayne Bay, and be conducive to improved water quality. FIND funds will be used to transform this into a waterfront park and boardwalk. Improvements include a pavilion, living shoreline, site furniture and expanded day use dock.



Revised 5/36/17

**ATTACHMENT E-3 - PROJECT INFORMATION 2017**

<b>Applicant: City of Miami Beach</b>		<b>Project Title: Indian Beach Park</b>	
<b>Total Project Cost: \$1,415,000</b>		<b>FIND Funding Requested:</b> <b>\$700,000</b>	<b>% of Total Cost: 49%</b>
<b>Amount and Source of Applicant's Matching Funds:</b>		\$715,000: City of Miami Beach Operating Funds	

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions: N/A

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒

4. If yes, please list: N/A

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

There are currently no boat ramps, boat slips and trailer feet of boardwalk.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project? Funding for the project will support the components presented in the Blueways Master Plan (funded by FIND). These enhancements include (but are not limited to): a living shoreline, site furniture (seating, trash receptacles, recycling), pedestrian connection to the beach (sidewalk pavers and stamped asphalt or paver insert for designated portion of street), pavilion, and extended day-use dock with approximately ten (10) boat docks. This will be a pilot program, incorporating a living shoreline system with docks for public use.

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	Yes	Prior to 4/15/2017	(1) by 09/20/17, (2) by 09/20/17
DEP	Yes	N/A	(1) by 09/20/17, (2) by 09/20/17
ACOE	Yes	Prior to 4/15/2017	(1) by 09/20/17, (2) by 09/20/17
COUNTY / CITY	Yes	Prior to 4/15/2017	(1) by 09/20/17, (2) by 09/20/17

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Indian Beach Park
<b>Applicant:</b>	City of Miami Beach

---

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

#12 Public waterfront parks and boardwalks and associated improvements

- b) Explain how the project fits this priority category.**

The project will provide shoreline stabilization at a public park/recreation facility.

*(For reviewer only)*

Max. Available Score for application    45

Question 1. Range of Score    (1 to 3 points)

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## 2) WATERWAY RELATIONSHIP:

### a) Explain how the project relates to the ICW and the mission of the Navigation District.

The project is a shoreline improvement project, which grants greater public access to the waterways. The project parallels the Navigation District's primary mission #2, which seeks to "...develop waterway access and improvement projects." Miami Beach (the City) exists as a cluster of barrier islands with the Atlantic Ocean to the east and Biscayne Bay / Atlantic Intracoastal Waterway (ICW) to the west. For the past century, seawalls were placed to stabilize the shorelines of the City and to provide the public with easy access to Biscayne Bay for boating, fishing, viewing, and other recreational activities. Lamentably, the decades-long deterioration of these navigational structures has resulted in shoreline erosion, which threatens the quality of the water in the ICW. This project will restore the structural integrity of the seawall, prevent the discharge of sediment into Biscayne Bay, and be conducive to improved water quality. FIND funds will be used to transform this into a waterfront park and boardwalk.

### b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

The proposed shoreline and park improvement project will prevent the escape of sediment and its discharge into adjacent waterways. Moreover, by preventing the escape of sediment and the excessive discharge of the same, this project may eliminate the need

*(For  
reviewer  
only) (1-  
6 points)*

---

## 3) PUBLIC USAGE & BENEFITS:

### a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

The project will serve as a primary system of walkway and passive recreational use. The public use of this project is twofold: the waterway and the park are both used daily by the public. Indian Beach Park is close to numerous condominium complexes and hotels and is bounded on the east by Collins Avenue, which is a high-volume street. The public usage of the waterway and the park is well established at this location.

### b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

Indian Beach Park has a regional and local attraction for boating and other water-based recreation. It is located in the center of Collins Avenue, where the International Boat and Yacht show takes place. It is opposite the major hotels, such as the Fontainebleau Hotel and is a main thoroughfare for both residents from Miami Beach and other counties.

### c) Are there any restrictions placed on commercial access or use of this site?

The site is fully accessible to the public.

*(For  
reviewer  
only) (1-  
8 points)* 518

---

#### 4) TIMELINESS

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The City of Miami Beach is preparing to contract with a consultant for permitting and design of this project.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

N/A

*(For reviewer only)*

*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Miami Beach General Fund

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

N/A

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

The City of Miami Beach previously and successfully completed similar projects, and all of these projects used best practices learned to improve cost efficiency.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

No, there are no fees associated with the use of this facility.

*(For reviewer only)*

*(1-6 points)*

---



**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?**

Yes, this project is referenced/incorporated in an existing maritime, public access, or comprehensive plan.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City of Miami Beach will maintain the project. The City has funding available in the Parks & Recreation budget for maintenance of public parks.

- c) Will the program result in significant and lasting benefits? Explain.**

The project will provide safe and enjoyable pedestrian access. Additionally, stabilizing the shoreline will reduce wave energy and coastal erosion, absorb storm surge and flood waters, improve water quality, maintain shoreline dynamics, protect resources, restore wildlife areas, and create animal habitat.

- d) Please describe any environmental benefits associated with this project.**

The project promotes the use of native canopy trees and native grasses/ground covers. When possible, the existing native vegetation will be protected.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

---

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

Pending application

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

N/A

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

N/A

*(For reviewer only)  
(1-4 points)*



---

**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Not yet, however the design will be similar to previous projects of this nature.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

Location is close to major hotels, such as the Fontainebleau Hilton and is the site of the Annual Miami Beach Boat and Yacht Show.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

- b) How are the utilized construction techniques appropriate for the project site?**

It is anticipated that construction will be accomplished using shore-based equipment. Real-time GPS survey monitoring will be performed to ensure that all elevations are set in accordance with the construction specifications. Turbidity screens and pollution structures will be installed during the construction process to reduce contamination of the adjacent waterway.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

The limited width between roadway curb and existing bulkhead does not allow for landslide construction. All work must be staged and installed from floating plants. While overall construction is expected to take approximately 24 months, the new bulkhead is estimated to require approximately 12 months.

*(For reviewer only)*  
*(1-3 points)*

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---

**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

AZ-13 Sheet Pile – 50 years

Concrete Cap – 30 years

Top Soil – 15 years

- b) Identify any unique construction materials that may significantly alter the project costs.**

No unique construction materials will be utilized.

*(For reviewer only)*

*(1-3 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A

Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)



Revised 5/26/17

## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

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

<b>Project Title:</b>	Indian Beach Park
<b>Applicant:</b>	City of Miami Beach

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
<ul style="list-style-type: none"> <li>• Living Shoreline</li> <li>• Site Furniture (Seating, trash receptacles, recycling)</li> <li>• Improved pedestrian connection to beach (pavers/stamped asphalt)</li> <li>• Pavilion</li> <li>• Extended day use dock</li> </ul>	1. \$250,000 2. \$52,500 3. \$172,500 4. \$60,000 5. \$880,000	1. \$125,000 2. \$52,500 3. \$172,500 4. \$60,000 5. \$305,000	1. \$125,000 2. \$0 3. \$0 4. \$0 5. \$575,000
<b>**TOTALS =</b>	<b>\$1,415,000</b>	<b>\$715,000</b>	<b>\$700,000</b>

**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Indian Beach Park
<b>Applicant:</b>	City of Miami Beach

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

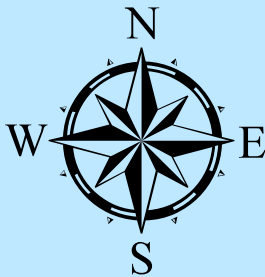
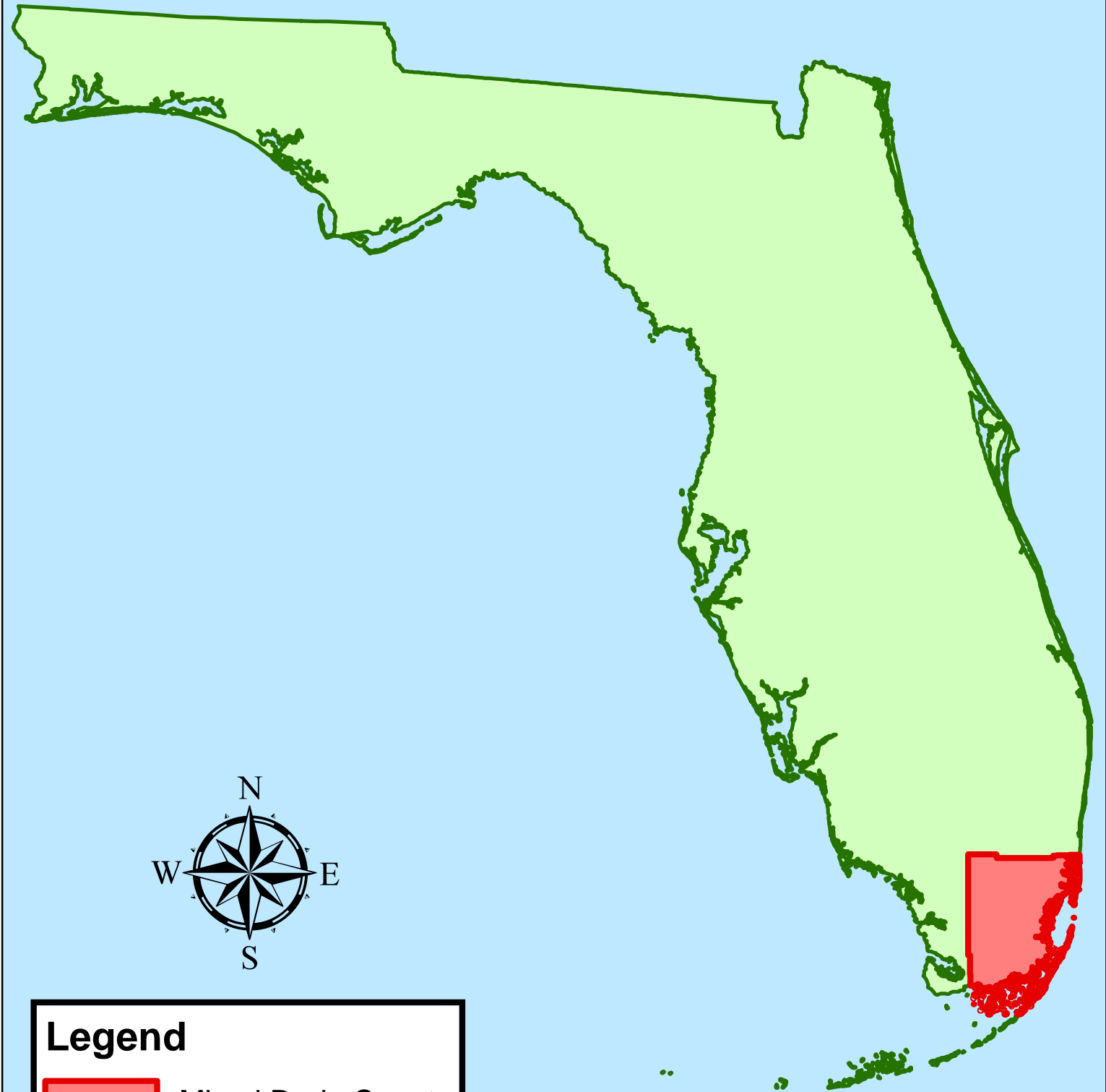
**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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Estimated Project Start Date: 11/1/2017

Estimated Project Completion Date: 7/1/2018

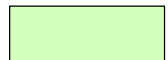




## Legend



Miami Dade County



Florida

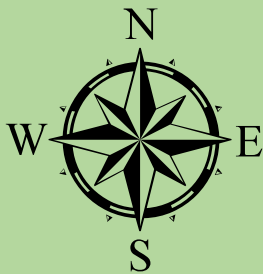
0 25 50 100  
Miles

**Miami Dade County Location  
within State of Florida**

**10. County Location  
Map** 526



ITEM 10.25



## Legend



MIAMI BEACH



Miami Dade County

0 3.75 7.5 15 Miles

**Miami Beach Location  
within Miami Dade County**

**11. City Location Map**  
527









KEY MAP



- POTENTIAL IMPROVEMENTS:
- 1. IMPROVED PEDESTRIAN CONNECTION TO BEACH
  - 2. VENDOR PAVILION
  - 3. EXPANDED DAY USE DOCK (PERFORMANCE BASED)
  - 4. MAINTAINED LIVING SHORELINE
  - 5. SITE FURNITURE: SEATING, TRASH/RECYCLING RECEPTACLES, BIKE STORAGE
  - 6. EXISTING INDIAN BEACH PARK
  - 7. EXISTING PARKING



EXISTING SITE PHOTOS



INDIAN BEACH PARK CONCEPT ENLARGEMENT



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b> City of Miami Beach			
<b>Department:</b> Public Works			
<b>Project Title:</b> Indian Creek Shoreline Stabilization and Greenway Phase IIB			
<b>Project Director:</b> Eric Carpenter		<b>Title:</b>	Assistant City Manager/Public Works Director
<b>Project Liaison:</b> <i>(if different from Project)</i>	Judy Hoanshelt	<b>Title:</b>	Grants Management Division Director
<b>Mailing Address:</b> 1700 Convention Center Drive			
<b>City:</b> Miami Beach		<b>Zip Code:</b>	33139-1819
<b>Email Address:</b> <a href="mailto:JudyHoanshelt@miamibeachfl.gov">JudyHoanshelt@miamibeachfl.gov</a>		<b>Phone #:</b>	305-673-7510
<b>Project Address:</b> Indian Creek Drive from 23rd Street to 41st Street, Miami Beach, FL 33140			

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

SIGNATURE: 

DATE: 3/31/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The Indian Creek Shoreline Stabilization and Greenway project will continue the creation of a mile-long greenway for public use as well as the construction of a new seawall for shoreline stabilization and flood mitigation. The scope of work for the project includes rebuilding the public seawall at a higher elevation between 25th Street and 41st Street as well as building a greenway that will include: a linear greenway along the west side of the road with a walkway and areas of living shoreline. Thus far and with 2016 FIND funding, the project is completed in the area of Collins Avenue/Indian Creek Drive between 25th Street and 26th Street, which includes a new seawall on the public right of way. The project's ongoing work includes the construction of a new seawall on the public right of way on Indian Creek Drive north of 26th Street and up to the 41st Street Bridge. Portions of the project are owned by the City and other portions are privately owned.

A continuous greenway is dependent on private properties being transferred to City ownership. In order to complete the project in its entirety, the City is working with property owners. Property owners of parcels of land along the west side of Indian Creek Drive have the option to donate land through quit claim deeds that would transfer ownership and maintenance responsibilities to the City, and owners may retain rights to apply for future docks. All parcels owned by the City will have a new seawall constructed and will be included in the landscaped greenway. Due to growing community support for this project, the City plans to expand the project site south from 23rd Street to 25th Street and (if awarded) intends to use 2017 FIND funding to support this project expansion.

Revised 5/26/17

**ATTACHMENT E-3 - PROJECT INFORMATION 2017**

<b>Applicant:</b> City of Miami Beach		<b>Project Title:</b> Indian Creek Shoreline Stabilization and Greenway	
<b>Total Project Cost:</b> \$2,000,000		<b>FIND Funding Requested:</b> \$1,000,000	<b>% of Total Cost:</b> 50%
<b>Amount and Source of Applicant's Matching Funds:</b>		\$1,000,000: City of Miami Beach General Operating Budget and the Florida Department of Transportation	

1. **Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐
2. **If leased or other, please describe lease or terms and conditions:** N/A
3. **Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐
4. **If yes, please list:** \$1,000,000 (2016)

5. **What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):** There is a public dock from 25th Street to 26th Street on Indian Creek Drive.

6. **How many additional ramps, slips, parking spaces or other access features will be added by this project?** The project will add a new seawall and a new greenway for pedestrian access and public benefit on the publicly-owned portions of the one-mile stretch of Indian Creek's shoreline between 23rd Street and 41st Street. The project expands on the 2016 FIND project by including additional street ends and additional publicly-owned portions between 23rd Street and 41st Street (not to include 25th and 26th Streets, currently under construction with the support of 2016 FIND funds). Funding for the 2017 project will support the components presented in the Blueways Master Plan (funded by FIND). These 2017 enhancements include (but are not limited to): a new seawall, integrated mangrove planter to mitigate climate change and sea-level rise, and an expanded day-use dock providing inter-connection from intracoastal waterway to beach. This will be a pilot program, incorporating a living shoreline system with docks for public use.

7. **Are fees charged for the use of this project?** No ☐ Yes ☒ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Received
(1) Seawall, (2) Living Shoreline			
WMD	(1) Yes, (2) Yes	(1) 7/20/2016, (2) 1/30/2017	(1) 9/23/2016, (2) TBD
DEP	(1) N/A, (2) N/A	(1) N/A, (2) N/A	(1) TBD, (2) TBD
ACOE	(1) Yes, (2) Yes	(1) 7/22/2016, (2) 1/30/2017	(1) TBD, (2) TBD
COUNTY / CITY	(1) Yes, (2) Yes	(1) 7/20/2016, (2) 1/31/2017	(1) 11/3/2016, (2) TBD



**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Indian Creek Shoreline Stabilization and Greenway Phase IIB
<b>Applicant:</b>	City of Miami Beach

**1) PRIORITY LIST:**

- a) **Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

#12 Public waterfront parks and boardwalks and associated improvements

- b) **Explain how the project fits this priority category.**

Currently, there is no continuous pathway for public use along the Indian Creek Waterway or in the vicinity of the project. Additionally, there are several areas where the existing seawall is failing and pedestrian access is severely restricted or entirely unavailable. The greenway is intended to provide safe public access along the entire section of the Indian Creek Waterway from 23th Street to the 41st Street Bridge.

With 2016 FIND funding, the City was able to complete a portion of the project between 25th and 26th Streets. This year's project intends to continue the creation of a mile-long greenway along a new seawall and on publicly-owned parcels. Additionally and due to growing community-wide support, it is the City's intention to expand the project site to include streets south of the original 2016 project site, which will expand the project site south to 23rd Street. The City is currently discussing this addition with property owners.

**FIND funds will be used for the construction on the publicly-owned portions of the project.**

*(For reviewer only)*

Max. Available Score for application 45

Question 1. Range of Score (1 to 3 points)

---

## 2) WATERWAY RELATIONSHIP:

- a) Explain how the project relates to the ICW and the mission of the Navigation District.

The project is a shoreline improvement project, which grants greater public access to the Indian Creek waterway in Miami Beach, Florida. Therefore, the project parallels the Navigation District's primary mission #2, which seeks to "...develop waterway access and improvement projects."

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?

Currently, there is no continuous public access along the Indian Creek Waterway or in the vicinity of the waterway. There are several areas within the project's site that pedestrian access is restricted or entirely unavailable. The project is intended to provide public access along the entire section of the Indian Creek Waterway from 23th Street to the 41st Street Bridge, and this phase of the project will construct a new seawall and greenway on publicly-owned portions of the shoreline only.

*(For reviewer only)*  
*(1-6 points)*

---

## 3) PUBLIC USAGE & BENEFITS:

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.

The public usage will be identified by the points of public entry. The greenway will serve as a primary system of walkway and passive recreational use.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.

The Indian Creek greenway will become more accessible to residents and visitors, marine activity will continue to thrive, a new recreational amenity will make the creek a destination landscape, and an important element of Miami Beach's natural and cultural heritage will be protected and enhanced.

- c) Are there any restrictions placed on commercial access or use of this site?

There are limited restrictions placed on commercial access or use for this site.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.

Phase 1 of the project (construction of a new seawall on public right of way between 25th Street and 26th Street) has been completed and construction of publicly-owned portions of the waterway and public right of way north of 26th Street is ongoing. The City is in the process of receiving additional parcels of privately owned land from property owners in order to create the continuous greenway and new seawall. For this project and for the publicly owned portions, the City intends to continue construction of the seawall and greenway on November 1, 2017 with the intention to complete the project by July 1, 2019.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.

FIND funding will only be used to support the parcels that are publicly owned. The parcels owned by the City will have a new seawall constructed and be included in the landscaped greenway. A continuous greenway is dependent on private properties being transferred to City ownership. The following parcels are owned by the City and are included in the project timeline:

1. All street ends between 26th Street and 41st Street along Indian Creek Drive
2. 2600 Collins Avenue
3. 2925 Indian Creek Drive
4. Full block between 27th and 28th Streets

Additionally, the City has received a commitment from property owners to receive the below portions of property through quit claim deeds:

2701 Indian Creek Drive, 2829 Indian Creek Drive, 2901 Indian Creek Drive, 3003 Indian Creek Drive, 3025 Indian Creek Drive, and 3101 Indian Creek Drive

*(For reviewer only)*  
*(1-3 points)*



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**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.

1. City of Miami Beach General Fund
2. Florida Department of Transportation funds

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.

N/A

- c) Describe any methods to be utilized to increase the cost efficiency of this project.

The City of Miami Beach previously and successfully completed similar projects, and all of these projects used best practices learned to improve cost efficiency.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.

No, there are no fees associated with the use of this facility.

*(For reviewer only)*

*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public access or comp plan?

Currently, there are limited public walkways that exist to encourage residents and visitors to either visually or physically interact with Indian Creek; therefore, they are isolated from this valuable resource.

Yes, this project is referenced/incorporated in an existing maritime, public access, or comp plan.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.

The City of Miami Beach will maintain the project. The City has funding available in the Parks & Recreation budget for maintenance of public parks.

- c) Will the program result in significant and lasting benefits? Explain.

The greenway will provide safe and enjoyable pedestrian access along Indian Creek. Additionally, stabilizing the shoreline will reduce wave energy and coastal erosion, absorb storm surge and flood Waters, improve water quality, maintain shoreline dynamics, protect resources, restore wildlife areas, and create animal habitat.

- d) Please describe any environmental benefits associated with this project.

The project promotes the use of native canopy trees and native grasses/ground covers. When possible, the existing native vegetation will be protected.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.

The City has applied for all permits required for this project, and most have been secured. However, due to an additional factor in the project's scope, which includes mangrove planters for tree canopy expansion and mangrove mitigation, the City is required to secure an ACOE National Marine Fisheries permit. The City is currently in consultation with ACOE regarding this permit, and anticipates that it will be secured within the next two months.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.

N/A

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.

N/A

*(For reviewer only)  
(1-4 points)*



---

**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?

The overall project design and project concepts have been completed; however, as more privately-owned parcels are transferred to City ownership, design details for these parcels are an ongoing process.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?

The reconstructed/rehabilitated seawall will prevent further contamination of Indian Creek and the construction of a greenway will allow residents and visitors to connect with the water safely and enjoyably.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.

Plank installations will mandate use of a turbidity barrier to prevent the release of suspended sediment into the waterway during jetting operations. Other equipment will include barge mounted cranes, pile hammers, air compressors, and portable hand tools.

- b) How are the utilized construction techniques appropriate for the project site?

It is anticipated that construction will be accomplished using shore-based equipment. Real-time GPS survey monitoring will be performed to ensure that all elevations are set in accordance with the construction specifications. Turbidity screens and pollution structures will be installed during the construction process to reduce contamination of the adjacent waterway.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.

The limited width between roadway curb and existing bulkhead does not allow for landslide construction. All work must be staged and installed from floating plants.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?

AZ-13 Sheet Pile – 50 years

Concrete Cap – 30 years

Top Soil – 15 years

- b) Identify any unique construction materials that may significantly alter the project costs.

No unique construction materials will be utilized.

*(For reviewer only)*

*(1-3 points)*

---

**RATING POINT****TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A

Rule 66B-2.005 (Effective Date: 3-21-01, revised 4-24-06, 1-27-14)

Revised 5/26/17

## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	Indian Creek Shoreline Stabilization and Greenway
<b>Applicant:</b>	City of Miami Beach

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Design/Build:  1. Seawall  2. Greenway	1,000 of 4,000 feet of seawall  Project expands on 2016 FIND project by including additional street ends and additional publicly-owned portions between 23rd Street and 41st Street (not to include 25th and 26th Streets, currently under construction with the support of 2016 FIND funds)	\$1,000,000	\$1,000,000
<b>**TOTALS =</b>	<b>\$2,000,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>



**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Indian Creek Shoreline Stabilization and Greenway
<b>Applicant:</b>	City of Miami Beach

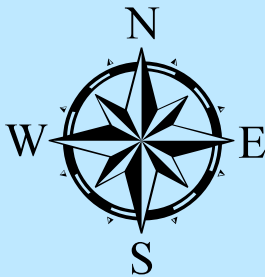
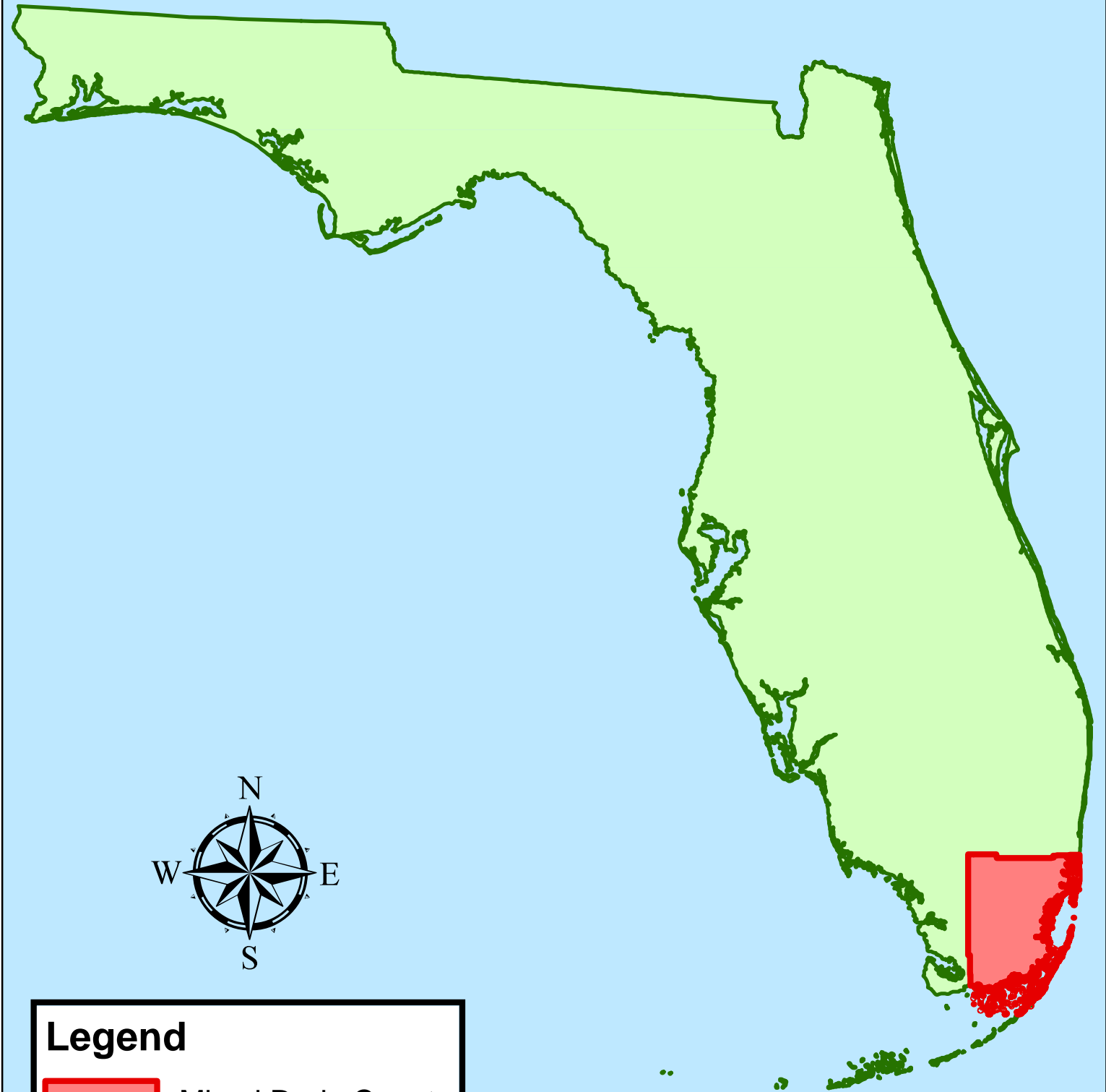
The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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Estimated Project Start Date: 11/1/2017

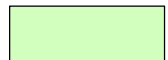
Estimated Project Completion Date: 7/1/2018



## Legend



Miami Dade County



Florida

0 25 50 100  
Miles

**Miami Dade County Location  
within State of Florida**

**10. County Location  
Map** 542



ITEM 10.26



## Legend



MIAMI BEACH



Miami Dade County

0 3.75 7.5 15 Miles

**Miami Beach Location  
within Miami Dade County**

**11. City Location Map**  
543





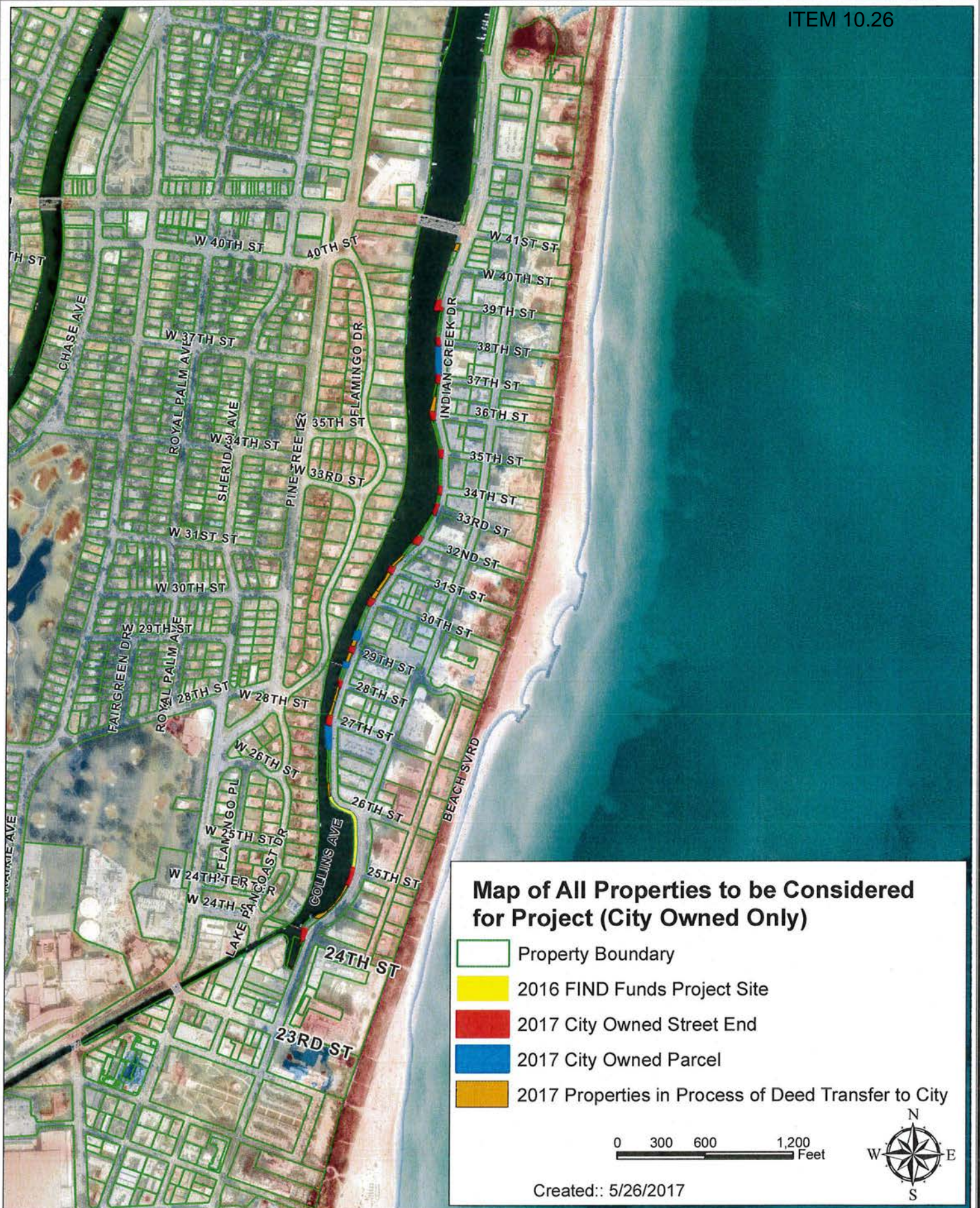


0 350 700 1,400  
Feet

## Site Development Plan for Indian Creek Park









ITEM 10.27



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

<b>APPLICANT INFORMATION</b>			
<b>Applicant:</b> City of Atlantic Beach			
<b>Department:</b> Public Works			
<b>Project Title:</b> Marsh Preserves ADA Viewing/Fishing Pier			
<b>Project Director:</b> Kayle W. Moore, P.E.		<b>Title:</b>	Deputy Public Works Director
<b>Project Liaison:</b> <i>(if different from Project)</i>		<b>Title:</b>	
<b>Mailing Address:</b>	1200 Sandpiper Lane		
<b>City:</b> Atlantic Beach, FL	<b>Zip Code:</b>	32233	
<b>Email Address:</b> kmoore@coab.us	<b>Phone #:</b>	904-247-5834	
<b>Project Address:</b>	Dutton Island Preserve, Atlantic Beach, FL 32233		

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

SIGNATURE:  DATE: 3/31/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The purpose of this project is to construct a new viewing/fishing pier located near the Dutton Island Bridge that is ADA accessible to the park visitors, thus expanding resource-based recreation within the Marsh Preserves. Marsh Preserves is over 400 acres of marsh and associated uplands on and adjacent to the Intracoastal Waterway (ICW). They include the City of Atlantic Beach's Dutton Island, River Branch and Tideviews Preserves, and the City of Jacksonville's Dutton Island Preserve II. The preserves currently have trails, viewing platforms, fishing piers, floating docks, kayak/canoe launches, restrooms, primitive camping and picnic opportunities. The Marsh Preserves are included in the Florida Circumnavigational Saltwater Paddling Trail.

In 2011, the City initiated a public process of preparing a Master Plan to guide the future improvements to the Marsh Preserves. During the process there were several events to gain public comments regarding the types of facilities and improvements needed for the Marsh Preserves. Several priority items were identified by the public including the need for viewing/fishing piers, two of which have previously been constructed; i.e. the Dutton Island Kayak Launch and the W. 6<sup>th</sup> Street Overlook.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b> City of Atlantic Beach		<b>Project Title:</b> Marsh Preserves ADA Viewing/Fishing Pier at Dutton Island	
<b>Total Project Cost:</b> \$ 200,000		<b>FIND Funding Requested:</b> \$ 100,000	<b>% of Total Cost:</b> 50%
<b>Amount and Source of Applicant's Matching Funds:</b> Amount: \$100,000 Source: City of Atlantic Beach General Fund and Bed Tax			

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions: N/A

3. Has the District previously provided assistance funding to this project or site? Yes: ☒ No: ☐

4. If yes, please list:

The Marsh Preserves includes Dutton Island and Tideviews Preserves and each of these parks have received FIND funding in the past. FIND agreements include DU-AB-95-18, DU-AB-97-30, DU-AB-98-31, DU-AB-00-43, DU-AB-00-44, DU-AB-01-57 and DU-AB-02-65. DU-AB-09-106, DU-AB-10-113 and DU-AB-12-120 are specific to the incorporation of the COAB Marsh Master Plan and potential direct connection to aspects of this funding request. Specific to this application, DU-AB-12-120 was Phase I to get plans and permits for Phase II and Phase III Construction projects which have both been completed..

DU-AB-12-120 Marsh Preserves Launch, Phase I, Fishing & Public Access Improvements -- Design

DU-AB-14-135 Marsh Preserves Launch, Phase II Fishing & Access Improvements -- Construction

DU-AB-15-147 Marsh Preserves Improvements, Phase III Dutton Island Pedestrian Path – Construction

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

Dutton Island has one kayak/canoe launch on the southern portion of the island with associated boardwalk and parking, trails, northern fishing pier/boardwalk; 2 observation piers and approx.. 1 mile of asphalt pedestrian pathway consisting of some bridges, raised boardwalk and pathways bordering the eastern edge of River Branch Preserve; the River Branch preserve is currently only accessed by Tideviews, Dutton Island and the ICW. Tideviews has an 800 LF boardwalk with kayak/canoe launch and end fishing platform, over 700 LF of crushed shell pathway, over 990 LF of raised boardwalk, 2 foot bridges and a canoe launch at the northern end.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

One ADA parking space.

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	Yes	2013	September 13, 2013
DEP	N/A	N/A	N/A
ACOE	Yes	2013	August 21, 2014
COUNTY / CITY	Yes	After Bid Award	After Bid Award

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4\*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Marsh Preserves ADA Viewing/Fishing Pier
<b>Applicant:</b>	City of Atlantic Beach

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority #11 – Public Fishing & Viewing Piers

- b) Explain how the project fits this priority category.**

The purpose is to increase accessible (ADA) public access, resource-based recreation and environmental education through the construction of a new viewing/fishing pier equipped with environmental education signage (also meets priority #10).

*(For reviewer only)*

Max. Available Score for application    45

Question 1. Range of Score    (1 to 3 points)



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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

This project includes the type of projects identified by FIND in its mission, specifically the development of boat ramps/launches, fishing piers, boardwalks, waterfront parks and environmental education. The new viewing/fishing pier increases the opportunities for resource-based recreation (i.e., nature observation and fishing). The City intends to provide environmental education signage at the viewing/fishing piers.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The viewing/fishing pier provides the opportunity to view and access the associated ICW marshes for environmental education, nature observation and fishing for residents and users that have not had access in the past.

*(For reviewer only)*  
*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The Dutton Island viewing/fishing pier was directly requested by the public participating in the Marsh Preserves' master planning process. There is currently limited viewing/fishing access to the Marsh Preserve from Dutton Island. The viewing/fishing platform will increase direct marsh access from Dutton Island by land by 50%.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The new ADA accessible viewing/fishing platform at Dutton Island provides access to the ICW by those that may not be physically able to reach other areas within the preserves. During the master planning process, several local schools identified their interest to partner with the City to provide educational programs that highlight the unique marsh environment.

- c) Are there any restrictions placed on commercial access or use of this site?**

Project site is not zoned for commercial use.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The City received a FIND Grant FY12 (DU-AB-12-120) to attain professional services for the design, engineering and permitting for a larger project which included the viewing/fishing pier. This pier was not constructed during Phase II of the project due to costs. The engineering is complete, and ACOE and SJRWMD permit and approval were received. It is estimated that construction can begin in January/February 2018 after a formal bid process. With a construction completion time of 4 months, the project could be complete by late summer 2018.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

At this time the City does not foresee that the project would have unique or difficult elements to complete or affect the timeline of construction; however, construction over water can also present some issues.

*(For reviewer only)*  
*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The City's match will be paid for from the City's general revenue and available Bed Tax revenue.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

The construction costs are estimated based on the current economy. If for some reason there is an increase in cost of construction materials then overall costs may increase. Also cost estimating is not an exact science.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

The City will achieve cost savings through competitively bidding the project.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees associated with the proposed projects at the Marsh Preserve.

*(For reviewer only)*  
*(1-6 points)*

**6) PROJECT VIABILITY:**

- a) **What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

The viewing/fishing pier was identified by the public during the 2011-2012 marsh preserves master planning process. In April 2012, the City accepted the Marsh Preserves Master Plan and plans to incorporate the suggestions that came out of the plan. The viewing/fishing pier will enable ADA access to the Marsh in an area not currently ADA accessible.

- b) **Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City recognizes the importance and value that the Marsh Preserves (Dutton Island, River Branch and Tideviews) bring not only to the residents and visitors of Atlantic Beach but to the region. The City is committed to maintain each of the elements within the preserve. City staff is assigned to the Marsh Preserves and they inspect and maintain the Preserves on a regular basis.

- c) **Will the program result in significant and lasting benefits? Explain.**

During the Marsh Preserves' master planning process conducted in 2011-12, residents, users, educators, environmental groups and visitors spoke loudly about the importance of preserving the 400 acre preserve and the ICW to ensure that our region's natural habitat is protected. The City and Community believe that by providing resource-based recreation activities such as fishing, paddling, hiking, and nature observation activities will increase the public's understanding and sensitivity to our environment. Through the marsh master planning process, the City identified local educators and groups that have committed to assist the City, and ultimately FIND, in furthering environmental education and the practice of proper stewardship and application of the Commission approved, long term Marsh Preserves Master Plan.

- d) **Please describe any environmental benefits associated with this project.**

The City and Community believe that by providing resource-based recreation activities such as fishing, paddling, hiking, and nature observation activities will increase the public's understanding and sensitivity to our environment. Environmental benefits associated with the project will be awareness and education by supplying the public with opportunity to enjoy the natural beauty and wonders of the marsh and ICW. Enabling the public to use and enjoy the marsh preserves can only increase understanding and importance of such a unique environment. Eventually educational opportunity & signage will be incorporated into these user friendly structures.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

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**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.

The SJRWMD Permit (40-031-134369-1) was applied for in May 2013 and approved September 16, 2013. The ACOE Permit (SAJ-1999-3996) was also applied for May 2013 and approved August 21, 2014.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.

This is a Phase II (construction) project.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.

At this time, the City has received all required permits.

*(For reviewer only)  
(1-4 points)*

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**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?

The design is 100% complete.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The primary purpose of this project is to increase and improve public access to the ICW and associated area. During the Marsh Preserve master planning process, the public identified the importance of all future improvements to the preserves and associated waters, be designed to embrace “green technology” whenever feasible and top down construction techniques for minimizing construction environmental impacts. The Marsh Preserves Master Plan identifies the use of fish line recycling units, rain barrels and use of recycled building materials and amenities. Local educators and environmental groups could then use the preserves new structures to demonstrate “green technologies.”

*(For reviewer only)*  
*(1-2 points)*

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## **9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

It is anticipated that marine construction techniques will be used. The City usually employs construction methods that are as environmentally friendly as cost allows, while minimizing future maintenance of the structures. The City intends to follow the same top-down construction methods used on the previously constructed Tideviews Boat Launch and Boardwalk, the Dutton Island Kayak Launch and W. 6<sup>th</sup> Street Overlook, resulting in minimal environmental impacts due to construction.

- b) How are the utilized construction techniques appropriate for the project site?**

Top-down construction techniques would be appropriate since this type of construction results in the least impact to the environment since construction equipment and materials are stored and used from the areas of the structures already complete. This eliminates barges and other means of floating in equipment and materials potentially influencing areas of the marsh not located where structures are being constructed. This technique is appropriate for our project sites since much of the marsh is inaccessible at low tide.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

Top-down construction of the structures can potentially increase or decrease costs depending on location. Because of the difficulties with access to areas of the marsh at low tide this method has typically decreased costs compared to more traditional pile driving methods with floating barges.

*(For reviewer only)*  
*(1-3 points)*

---

**10) CONSTRUCTION MATERIALS:**

- a) **List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Standard marine construction materials and techniques will be selected to minimize environmental impact, require minimal maintenance and result in a long design life. Cost obviously plays a factor in materials choice. The design life is approximately 50 years with traditional marine structure materials.

- b) **Identify any unique construction materials that may significantly alter the project costs.**

The City usually seeks construction materials to be as environmentally friendly as cost allows while minimizing future maintenance of the structures; however, the City is extremely sensitive to meeting estimated construction costs. Concrete structures and some of the recycled plank material can cause cost to significantly increase.

*(For reviewer only)*  
*(1-3 points)*

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)



## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	Marsh Preserves ADA Viewing/Fishing Pier
<b>Applicant:</b>	City of Atlantic Beach

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Mobilization	\$17,000	\$8,500	\$8,500
Erosion Control	\$15,000	\$7,500	\$7,500
Clearing & Grubbing	\$6,000	\$3,000	\$3,000
Site Grading	\$3,000	\$1,500	\$1,500
Earthwork Cut/Fill	\$5,000	\$2,500	\$2,500
6' Wood Boardwalk	\$75,000	\$37,500	\$37,500
20' x 20' Wooden Overlook with Roof	\$60,000	\$30,000	\$30,000
Pervious Concrete for ADA Parking	\$16,500	\$1,000	\$1,000
Signage & Striping	\$2,000	\$250	\$250
Grassing & Restoration	\$500		
<b>**TOTALS =</b>	<b>\$ 200,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>

**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Marsh Preserves ADA Viewing/Fishing Pier
<b>Applicant:</b>	City of Atlantic Beach

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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November 2017	Staff will initiate the internal process of securing professional services for the construction of the proposed improvements.
December 2017	City staff will seek competitive bids for construction.
February 2018	Award contract and provide Notice to Proceed to contractor.
March-June 2018	Construction Phase for 4 months.
July 2018	Project Completion Final Inspection.
August 2018	Project Closeout.



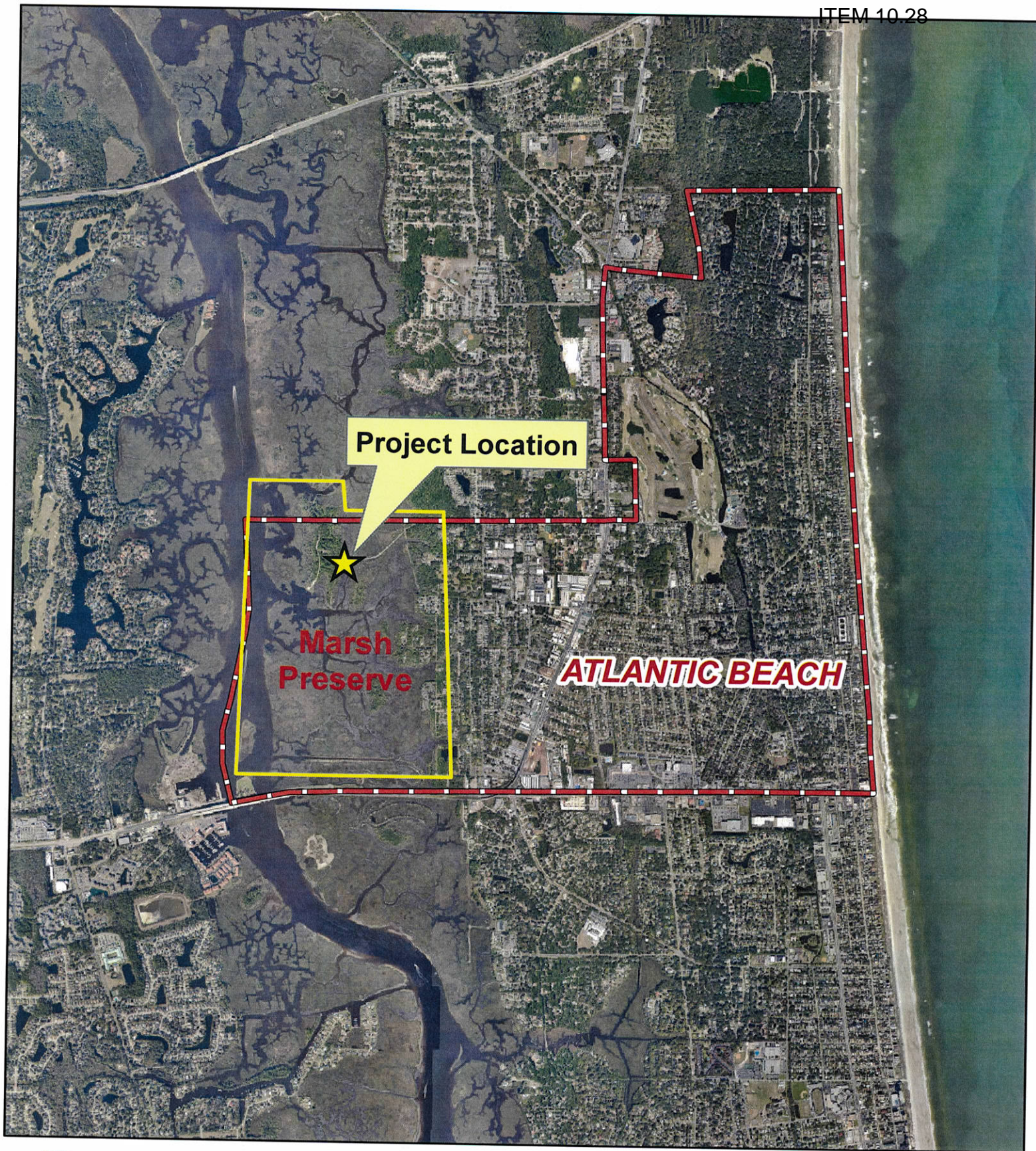


City of Atlantic Beach

## County Location Map

Marsh Preserve Improvements Phase III



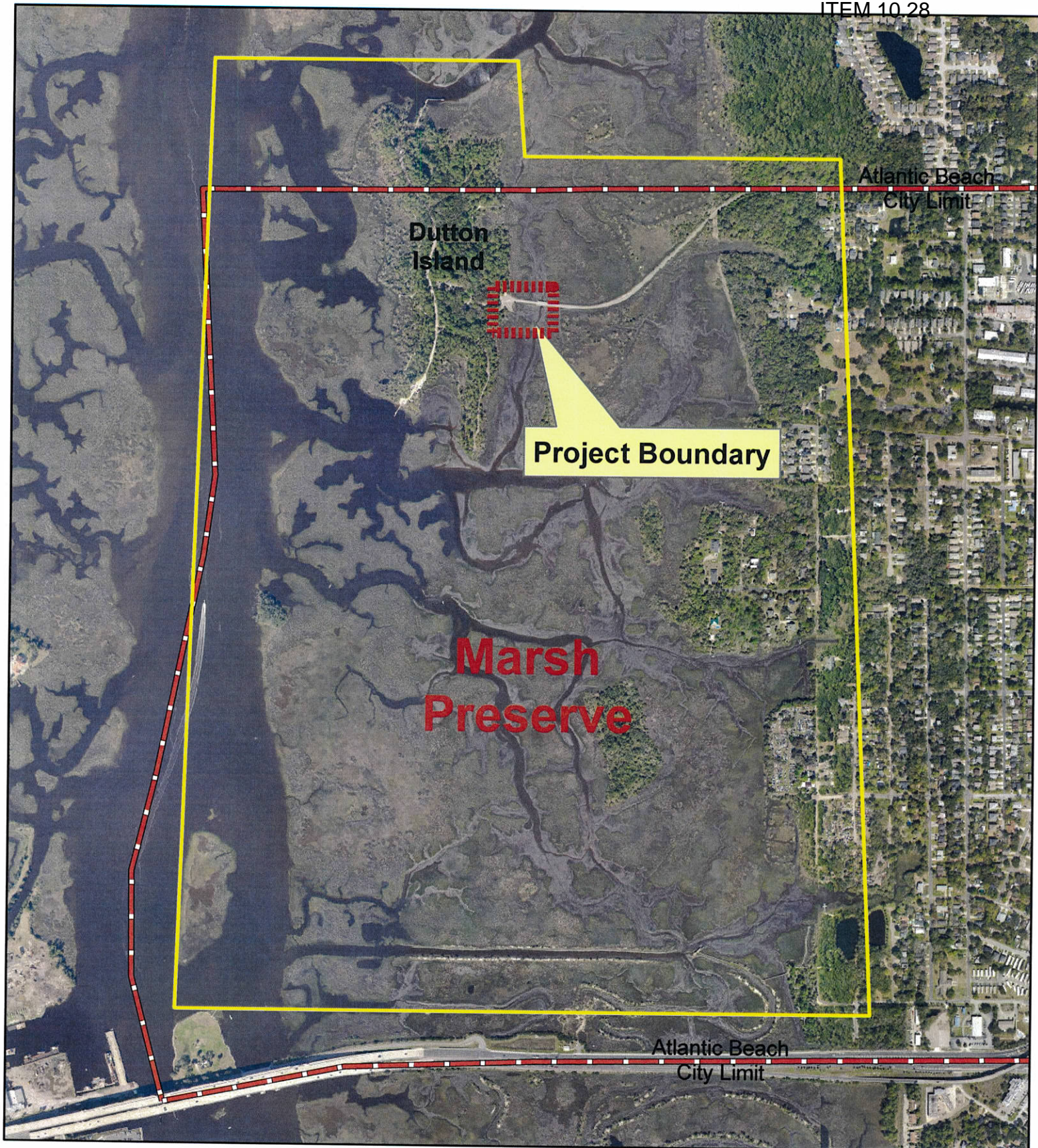


City of Atlantic Beach

Marsh Preserves ADA Viewing/Fishing Pier at Dutton Island

## City Location Map



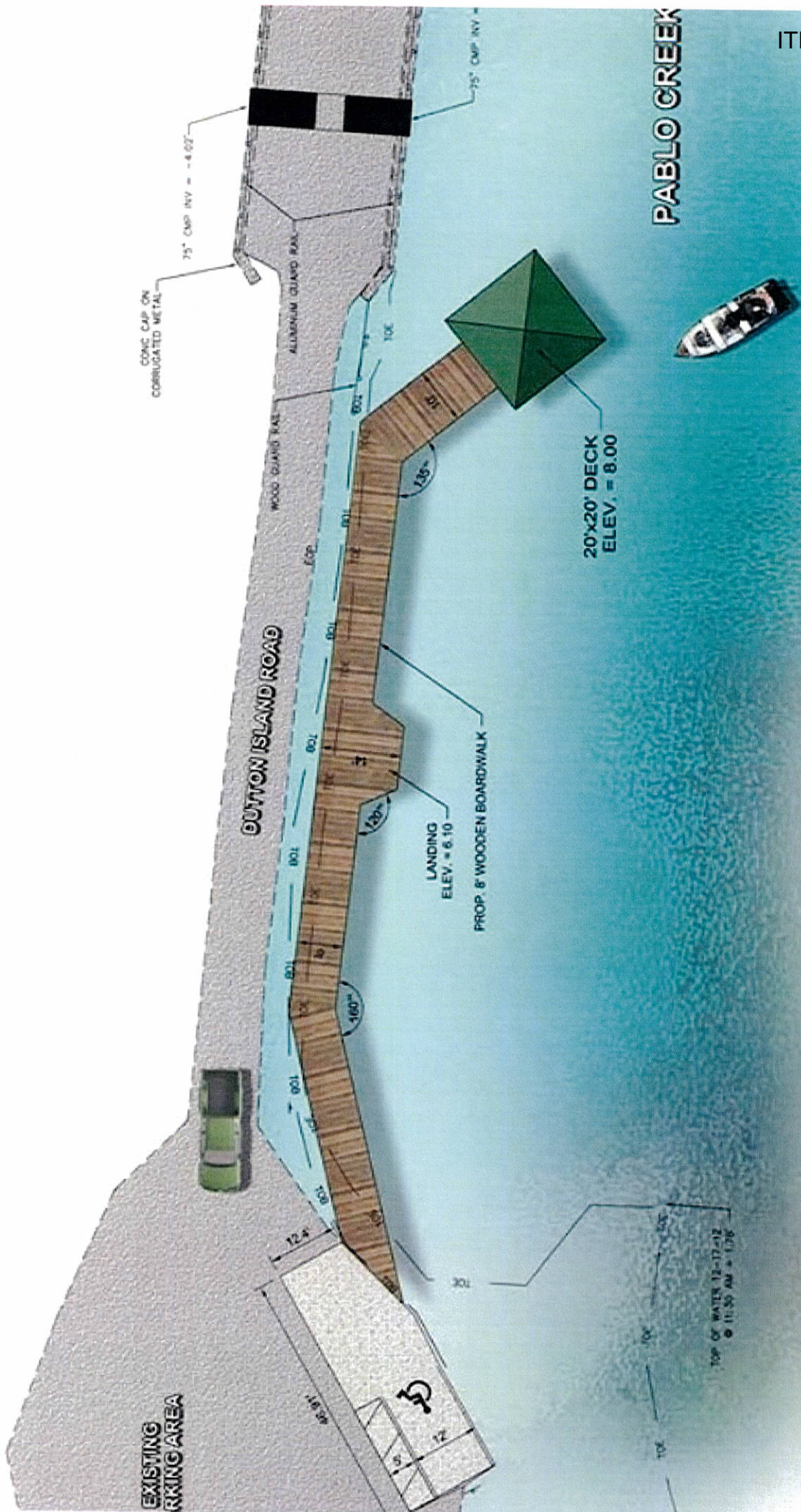


City of Atlantic Beach

Marsh Preserves ADA Viewing/Fishing Pier at Dutton Island

## Project Boundary Map







## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of Jacksonville		
<b>Department:</b>	Parks, Recreation and Community Services		
<b>Project Title:</b>	Bert Maxwell B.R. Dock/ Phase 4-		
<b>Project Director:</b>	Daryl Joseph	<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Brian Burket	<b>Title:</b>	Natural Resource Rec. Spec.
<b>Mailing Address:</b>	214 N. Hogan St, 4th Floor, Room 439		
<b>City:</b>	Jacksonville	<b>Zip Code:</b>	32202
<b>Email Address:</b>	BBurket@coj.net	<b>Phone #:</b>	904-255-7935
<b>Project Address:</b>	680 Broward Road, Jacksonville, FL 32218		

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

SIGNATURE: \_\_\_\_\_ DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

Bert Maxwell Boat Ramp is a well used ramp on the northside of Jacksonville; however, the existing boater access docks are poorly designed and not safe or functional at high tide. During high tides, the end of the fixed pier is underwater and the gangway slopes up steeply going from the fixed pier to the floating dock when it should be sloped slightly downhill. The proposed project would replace the fixed pier with a taller pier and reposition the existing gangway and dock so functions properly at all tide levels. Since this project involves replacement within existing footprint, no permits should be required so could be accomplished as a design/build project.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Jacksonville	<b>Project Title:</b>	Bert Maxwell B.R. Dock/ Phase 1		
<b>Total Project Cost: \$</b>	100,000	<b>FIND Funding Requested: \$</b>	50,000	<b>% of Total Cost:</b>	50
<b>Amount and Source of Applicant's Matching Funds:</b>	The City will match with \$50,000 from the Capital Improvement Budget for FY 2017-2018.				

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

1993/1995: fishing pier, bulkheads & 2000/2002: new ramp, dredge, restroom

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

42 trailer parking spaces, 2 ramps w/4 total lanes, 3 floating docks, fishing pier

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

None. Project will improve docks within same footprint.

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	no		
DEP	no		
ACOE	no		
COUNTY / CITY			

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Bert Maxwell B.R. Dock/ Phase 1
<b>Applicant:</b>	City of Jacksonville

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

# 8 Development of public boat docking and mooring facilities

- b) Explain how the project fits this priority category.**

The project consists of replacing the existing fixed piers associated with boater access floating docks so safe and usable at all tide levels.

*(For reviewer only)*

Max. Available Score for application 47

Question 1. Range of Score (1 to 5 points)



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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

Bert Maxwell Boat Ramp is on Trout River near confluence with St. Johns River which connects to the ICW.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

Modifying and replacing the docks associated with the boat ramp will ensure this facility is safe and functional to use at all tide levels.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

This is a popular boat ramp on the northside of Jacksonville with 42 boat trailer parking spaces and four ramp lanes. The current condition of the boater access docks prevents its safe use during high tide levels. This ramp is open 24 hours/day.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

This is a well-used ramp for northside residents and is located directly adjacent to Interstate 95 so easy for regional visitors to access the facility.

- c) Are there any restrictions placed on commercial access or use of this site?**

Commercial use without a permit is prohibited at this site; however, professional fishermen, guides, etc. are allowed to use the ramp for launching as long as no business transactions take place onsite.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

This project intends to modify/replace both boater access docks within the same existing footprint. Once funding is secured, the design/build project will be advertised and should only take a few months to complete.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

This is intended as a design/build project which will help complete the project within a few months.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Jacksonville, Capital Improvement Budget for 2017-2018. This will be a 50% match of the project costs.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

If the existing gangways and floating docks cannot be reused, this will increase the cost of the project.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

To the extent possible, the existing gangways and concrete floating docks will be reused.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees associated with the use of this facility.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes, the project will correct the issue of the gangways sloping steeply uphill from the fixed pier to the floating dock which makes it difficult and potentially unsafe for boat ramp users during high tides. It has been identified on our Dockmaster's project list in recent years awaiting potential funding source.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

This project will be maintained by the City of Jacksonville's Parks and Recreation Department.

- c) Will the program result in significant and lasting benefits? Explain.**

Yes, the project will result in a safer and more functional boat ramp at all tide levels at this well-used ramp on northside of Jacksonville.

- d) Please describe any environmental benefits associated with this project.**

The intent is to replace the existing docking facility within the same footprint so not to create any further environmental disturbance.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A**  
**DEVELOPMENT & CONSTRUCTION PROJECTS**  
**WATERWAYS ASSISTANCE PROGRAM**  
**APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

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**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

No environmental permits should be required since project would replace docking facility within existing footprint.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

A permit exemption will be sought from DEP.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

If permit exemption is not approved, this could delay project and cause it to split into Phase 1 (design/permitting) and future Phase 2 (construction) approach.

*(For reviewer only)*  
*(1-4 points)*

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**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

No, only a general concept has been discussed; see Exhibit 4.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The project will utilize the existing footprint of the docking facility and reuse gangways and floating docks to the extent possible.

*(For reviewer only)*  
*(1-2 points)*

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**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

All construction techniques for this project will be at or exceed industry standards. The existing fixed pier will be removed and replaced with a more elevated pier that is a few feet higher than high tide level. Then, the existing gangways will be reattached (if still in good condition) and reconnected to the existing concrete floating docks.

- b) How are the utilized construction techniques appropriate for the project site?**

All construction materials are at or above industry standards for this project and considered appropriate for the site. The awarded contractor must comply with all State and Federal laws, regulations, and codes applicable to the work as well as those of the City of Jacksonville. This includes, but is not limited to, the protection of all trees and placement of silt fences to prevent materials from dispensing into public waterways.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

None identified at this time.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Materials to be used include new fixed piers (concrete or timber as budget allows). The typical design life is 20-25 years.

- b) Identify any unique construction materials that may significantly alter the project costs.**

If budget allows, the new fixed piers are preferred to be concrete but may be replaced with timber, if necessary.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Bert Maxwell B.R. Dock/ Phase 1
<b>Applicant:</b>	City of Jacksonville

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

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Grants received      October 2017

Grants executed      January 2018

Bid and Award contract      March 2018

Contract Execution      May 2018

Construction Start      June 2018

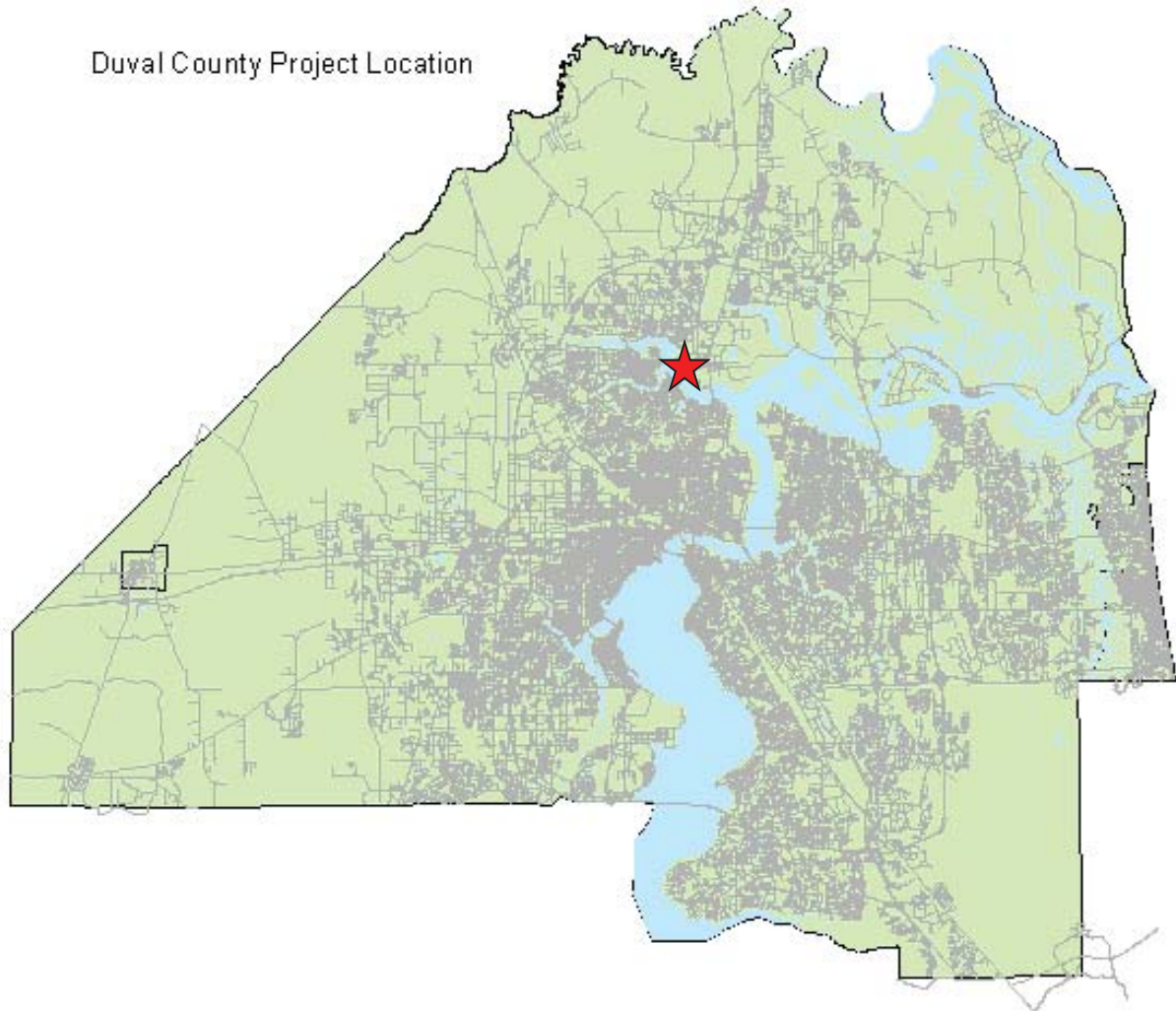
Project completed      September 2018

Grant Close out      October 2018

# EXHIBIT 1: COUNTY LOCATION MAP







BERT MAXWELL BOAT RAMP  
DOCKS



# Bert Maxwell Boat Ramp

500 Maxwell Road  
Jacksonville, FL 32218





#### Exhibit 4: Site Development Plan

Bert Maxwell Boat Ramp: modify three (3) existing boater access docks to function properly at all tide levels





## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of Jacksonville		
<b>Department:</b>	Parks, Recreation and Community Services		
<b>Project Title:</b>	Half Moon Island Park/ Phase 2B		
<b>Project Director:</b>	Daryl Joseph	<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Brian Burket	<b>Title:</b>	Natural Resource Rec. Spec.
<b>Mailing Address:</b>	214 N. Hogan St, 4th Floor, Room 439		
<b>City:</b>	Jacksonville	<b>Zip Code:</b>	32202
<b>Email Address:</b>	BBurket@coj.net	<b>Phone #:</b>	904-255-7935
<b>Project Address:</b>	17847 Main Street, Jacksonville, FL 32226		

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

SIGNATURE: \_\_\_\_\_ DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

In 2016, FIND awarded funding for the first phase of construction (Phase 2A) at Half Moon Island Park and Boat Ramp which is located on Nassau River at north end of the county that lacks other public boat ramp facilities. That project includes the access road, parking lot, boat ramp with dock, and rip-rap revetment for a portion of the shoreline. This grant application is for second phase of construction (Phase 2B) which will include the fishing pier, pavilion, turn lanes, restroom and additional revetment. This should complete the build-out for this boat ramp park.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Jacksonville	<b>Project Title:</b>	Half Moon Island Park/ Phase 2B
<b>Total Project Cost: \$</b>	1,100,000	<b>FIND Funding Requested: \$</b>	550,000
<b>% of Total Cost:</b>	50		
<b>Amount and Source of Applicant's Matching Funds:</b>	The City will match with \$550,000 from the Capital Improvement Budget for FY 2017-2018.		

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

Received 2013 award for Phase 1 of this project and a 2016 award for Phase 2A.

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

Currently undeveloped. Phase 2A (funded) will provide a single lane boat ramp, floating dock and 25 boat trailer parking spaces.

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

Phase 2B includes a fishing pier, picnic pavilion, floating dock, restroom, and shoreline revetment.

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	No		
DEP	yes	4/23/15	6/5/15
ACOE	yes	4/23/15	6/5/15
COUNTY / CITY			

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Half Moon Island Park/ Phase 2B
<b>Applicant:</b>	City of Jacksonville

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority # 7 Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities;

- b) Explain how the project fits this priority category.**

This project consists of the development of a motorized boat ramp park along with facilities for fishing and picnicking.

*(For reviewer only)*

Max. Available Score for application 47

Question 1. Range of Score (1 to 5 points)



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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

FIND lists one of its priorities to increase access to the Districts Waterways. The Nassau River connects to the ICW and there is currently an insufficient public access points in the project area.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The project provides access to the ICW from the Nassau River. This will be the second boat ramp constructed on the Nassau River in Duval County. The ramp will be located in a new city park within the boundaries of the Timucuan Ecological and Historic Preserve.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

This project was championed by members of Jacksonville Waterways Commission. Since there currently are no close public access points on the Nassau River to this area, it is expected to attract many boaters and fishermen. Anticipated 20,000+ visitors/year.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The boat ramp will be located on U.S. 17 at the northern border of the county. COJ expects many Duval residents as well as Nassau County residents to use this facility. The boat ramp's location, easy access off a main roadway, will facilitate higher use than ramps in Nassau County. The location on a deep water river known for excellent fishing will also draw many boaters.

- c) Are there any restrictions placed on commercial access or use of this site?**

Commercial use without a permit is prohibited at this site; however, professional fishermen, guides, etc. are allowed to use the ramp for launching as long as no business transactions take place onsite.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Design and permitting are complete. Construction of Phase 2A could begin in summer or fall 2017. Estimated construction timeframe is about 9 months.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

Coordinating the development of turn lanes from US 17/Main Street into the park has potential to cause temporary project delays.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Jacksonville, Capital Improvement Budget for 2017-2018. This will be a 50% match of the project costs.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

The development of turn lanes from US 17/Main Street into the park has potential to result in unexpected or higher costs.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

Only select trees will be cleared during site development and rip-rap was selected to stabilize the eroding shoreline instead of more expensive options.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There will be no fees associated with the use of this facility. There is a small, private fee-based ramp across the county line.

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

This boat ramp will be just the second motorized access point on the Nassau River in Duval County. This ramp is located approximately 17 miles from the mouth of the river. One of the goals of the city and National Parks is to provide more access to the Timucuan Preserve, this ramp will provide public access to this area of the preserve including fishing and picnicking opportunities.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

This project will be maintained by the City of Jacksonville's Parks and Recreation Department.

- c) Will the program result in significant and lasting benefits? Explain.**

This property was purchased in 1999 and has been undeveloped since that time. This will be the first new boat ramp constructed in Duval County since 2006. Duval County currently has no ramps in this area of the county. This park will provide significant benefit because it is providing access to an area of the Timucuan Preserve that is currently difficult to access due to limited public launching locations.

- d) Please describe any environmental benefits associated with this project.**

Only select trees will be cleared during site development and rip-rap will be used to stabilize the eroding shoreline and protect the new park assets.

*(For reviewer only)*  
*(1-7 points)*

SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

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**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

Yes, all environmental permits have been received.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

This is a Phase 2 project estimated at \$1,100,000.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

None, permits have been received.

*(For reviewer only)  
(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Design is complete.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

Only select trees will be cleared during site development and rip-rap will be used to stabilize the eroding shoreline and protect the new park assets.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

The project has been designed to COJ park standards for the marine environment. The project consists of a second floating dock for the new boat ramp, a 9'x31' timber fishing pier, two 25'x25' picnic pavilions, restroom facility, turn lanes, and installation of additional rip rap revetment along the shoreline within the Nassau River.

- b) How are the utilized construction techniques appropriate for the project site?**

Materials to be used are appropriate for the marine environment. Construction techniques will not adversely affect the conservation of fish and wildlife and no wetland impacts. Habitat will be improved via the stabilized rip-rap shoreline.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

For the revetment portion of the project, the design includes option to utilize marine mattresses below the waterline due to the slope of the river bottom which could positively impact the project cost.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

The project has been designed to COJ park standards for the marine environment. Concrete ramp will be installed and rip-rap revetment to stabilize the shoreline. The life span of the project is expected to be 20-25 years.

- b) Identify any unique construction materials that may significantly alter the project costs.**

For the revetment portion of the project, the design includes option to utilize marine mattresses below the waterline due to the slope of the river bottom which could positively impact the project cost.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)



## ATTACHMENT E-5

**FLORIDA INLAND NAVIGATION DISTRICT  
ASSISTANCE PROGRAM 2017**

**PROJECT COST ESTIMATE**

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

<b>Project Title:</b>	Half Moon Island Park/ Phase 2B
<b>Applicant:</b>	City of Jacksonville

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Mobilization & Site Preparations	\$50,000	\$25,000	\$25,000
Pavilions (2)	\$150,000	\$75,000	\$75,000
Timber Fishing Pier	\$80,000	\$40,000	\$40,000
Floating Dock	\$120,000	\$60,000	\$60,000
Shoreline Revetment	\$200,000	\$100,000	\$100,000
Turn Lanes & Sidewalks	\$300,000	\$150,000	\$150,000
Restroom	\$200,000	\$100,000	\$100,000

<b>**TOTALS =</b>	<b>\$ 1,100,000</b>	<b>\$ 550,000</b>	<b>\$ 550,000</b>
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Half Moon Island Park/ Phase 2B
<b>Applicant:</b>	City of Jacksonville

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

---

Grants received      October 2017

Grants executed     January 2018

Bid and Award contract    March 2018

Contract Execution    May 2018

Construction Start     June 2018

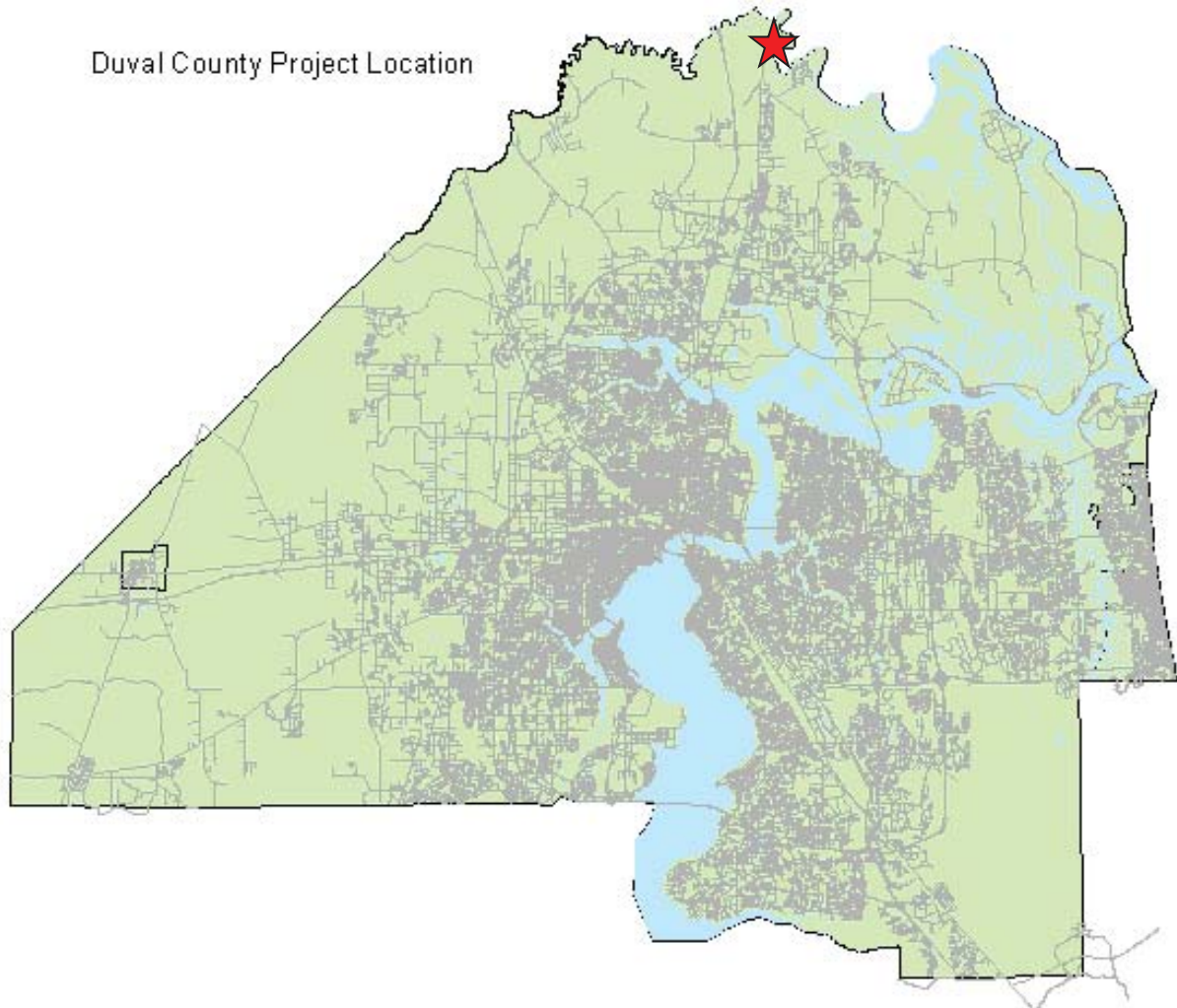
Project completed     November 2018

Grant Close out        December 2018

# EXHIBIT 1: COUNTY LOCATION MAP

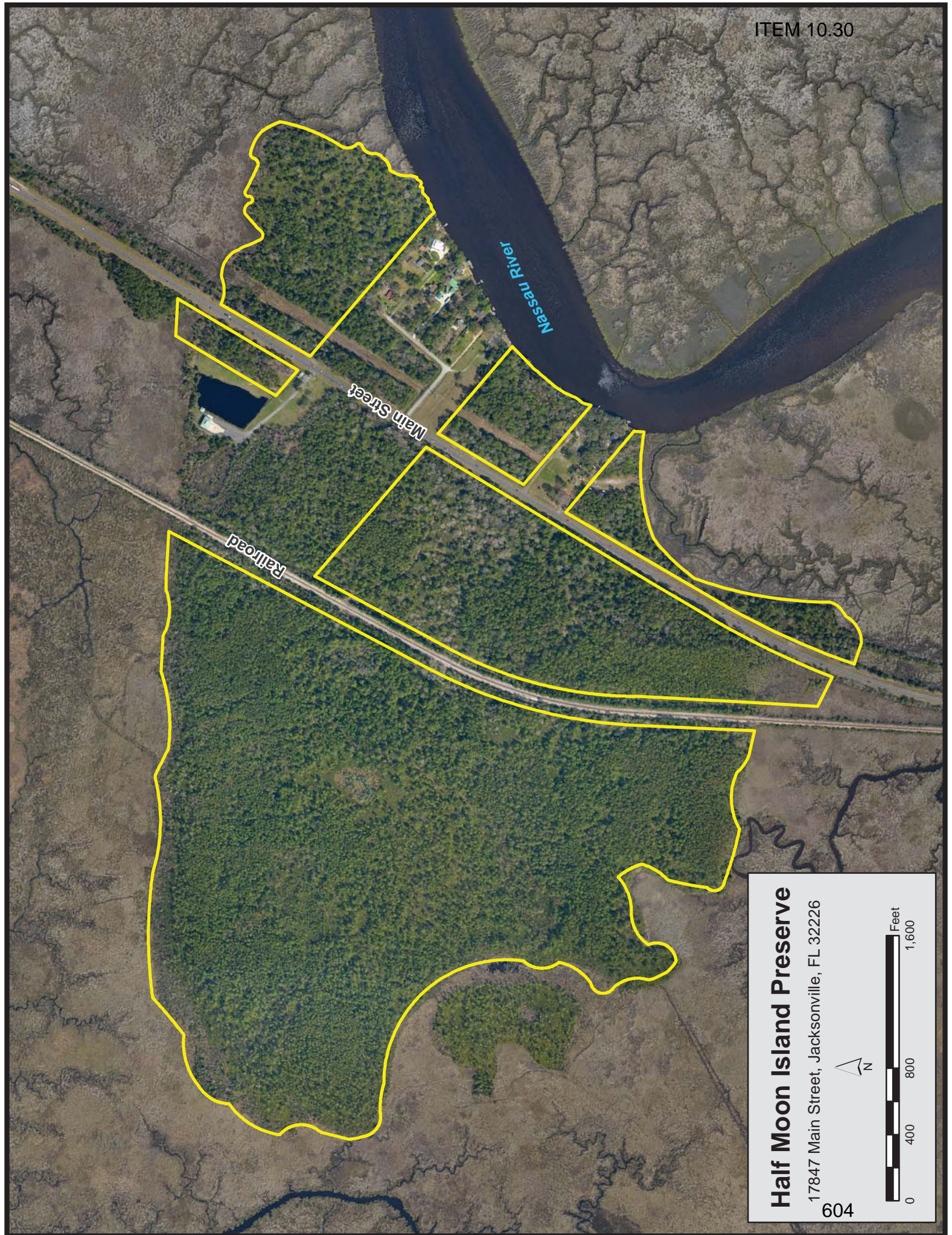






## HALF MOON ISLAND PARK AND BOAT RAMP





**Half Moon Island Preserve**

17847 Main Street, Jacksonville, FL 32226

604





P:\112046-10-CO-HALF MOON ISLAND PARK\ADD\CURRENT\112046-10-DTC.DWG 8/15/2015 2:47:21 PM

Phase 2 A  
Phase 2 B



**PROSSER**  
City of Jacksonville  
13801 Lakeview Drive, Suite 200  
Jacksonville, FL 32216-4229  
Phone: 904.726.3056  
Fax: 904.726.3113  
www.prosser.com  
prosser@prosser.com

**CITY OF JACKSONVILLE**

**PARKS AND RECREATION**

**HALF MOON ISLAND PARK**

**SITE PLAN**

**C-4.0**



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of Jacksonville		
<b>Department:</b>	Parks, Recreation and Community Services		
<b>Project Title:</b>	Joe Carlucci B.R. Dock/ Phase 2		
<b>Project Director:</b>	Daryl Joseph	<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Brian Burket	<b>Title:</b>	Natural Resource Rec. Spec.
<b>Mailing Address:</b>	214 N. Hogan St, 4th Floor, Room 439		
<b>City:</b>	Jacksonville	<b>Zip Code:</b>	32202
<b>Email Address:</b>	BBurket@coj.net	<b>Phone #:</b>	904-255-7935
<b>Project Address:</b>	8414 Heritage River Rd, Jacksonville, FL 32226		

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

SIGNATURE: \_\_\_\_\_ DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

Joe Carlucci Boat Ramp can handle larger vessels than many of the City's other ramp facilities. In addition, it is one of the closest ramps to the mouth of the St. Johns River and the Atlantic Ocean. It is a very busy boat ramp, especially during fishing tournaments. There are 46 boat trailer parking spaces and only two short floating docks which have exceeded their life expectancy and are inadequate to facilitate launching during peak use. In 2015, FIND awarded a design project to repair the fixed docks, replace the small floating docks with longer docks with at least 100 feet of docking space to improve efficiency of use during busy use. The purpose of this application is to request the funding necessary to implement the design.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Jacksonville	<b>Project Title:</b>	Joe Carlucci B.R. Dock/ Phase 2		
<b>Total Project Cost: \$</b>	550,000	<b>FIND Funding Requested: \$</b>	275,000	<b>% of Total Cost:</b>	50
<b>Amount and Source of Applicant's Matching Funds:</b>	The City will match with \$275,000 from the Capital Improvement Budget for FY 2017-2018.				

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

Received 2013 for Phase 1 of this project. And, a 2010 project for parking and revetment.

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

46 trailer parking spaces, 1 ramp, 20 ft dock space

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

approximately 100 ft. of floating dock

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	yes	March 2017	
DEP	yes	March 2017	
ACOE	yes	March 2017	
COUNTY / CITY			

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Joe Carlucci B.R. Dock/ Phase 2
<b>Applicant:</b>	City of Jacksonville

---

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

# 8 Development of public boat docking and mooring facilities

- b) Explain how the project fits this priority category.**

The project consists of repairing existing fixed docks and adding additional floating docks in order to increase usage and functionality of the ramp.

*(For reviewer only)*

Max. Available Score for application    47

Question 1. Range of Score    (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

Joe Carlucci boat ramp is located directly on the ICW and provides public access to the ICW, St. Johns River and the Atlantic Ocean. This project facilitates increased usage of the boat ramp and improves safety on very crowded days.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

By adding additional floating docks, congestion at the launch site will be alleviated. The additional dock will also increase the number of launches.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

According to the 2009 Boater Traffic Study conducted by ATM, Joe Carlucci was one of the 6 busiest ramps and where most off shore boat traffic occurred. This ramp is also used heavily during the Greater Jacksonville Kingfish Tournament.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The public benefit of replacing and adding floating docks at this boat ramp is to ease launching and retrieving, increase safety and provide more access for local boaters. This ramp is located on Heckscher Dr. about 10 miles south of Nassau County which will also serve this adjacent county. Also the ramp is used for fishing tournaments which draw boaters for all over the southeast.

- c) Are there any restrictions placed on commercial access or use of this site?**

Commercial use without a permit is prohibited at this site; however, professional fishermen, guides, etc. are allowed to use the ramp for launching as long as no business transactions take place onsite.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The project is currently at 60% design and environmental permits have been applied for. The City anticipates receiving the permit and completing the design by September 2017.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

If National Marine Fisheries elects to conduct full review of this permit request, this could delay the project.

*(For reviewer only)*  
*(1-3 points)*

---

#### 5) COSTS & EFFICIENCY:

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Jacksonville, Capital Improvement Budget for 2017-2018. This will be a 50% match of the project costs.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

There are no known site conditions that may increase the project costs.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

The project will utilize the existing fixed piers to attach the new gangways and floating docks which will increase cost efficiency.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees associated with the use of this facility.

*(For reviewer only)*  
*(1-6 points)*

---

**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes, the project fills a community need, which is to increase safety at public boat ramps. Also, the addition of floating docks will facilitate the ease and efficiency of launching during busy use.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

This project will be maintained by the City of Jacksonville's Parks and Recreation Department.

- c) Will the program result in significant and lasting benefits? Explain.**

Yes, the project will result in significant and lasting benefits for boaters by providing additional docks. Launching will be less congested and much safer.

- d) Please describe any environmental benefits associated with this project.**

No known environmental benefits occur because of the dock replacement or addition.

*(For reviewer only)*  
*(1-7 points)*

SUB-TOTAL \_\_\_\_\_



**ATTACHMENT E-4A**  
**DEVELOPMENT & CONSTRUCTION PROJECTS**  
**WATERWAYS ASSISTANCE PROGRAM**  
**APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

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**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

All environmental permits have been applied for and are anticipated to be received by the September deadline.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

This is a Phase 2 project.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

If National Marine Fisheries elects to conduct full review of this permit request, this could delay the project.

*(For reviewer only)*  
*(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Design is currently at 60%. It will be completed following input from permitting process.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The project will utilize the existing fixed piers to attach the new gangways and floating docks which will reduce costs. The docks will avoid impacts to any submerged aquatic vegetation.

*(For reviewer only)*  
*(1-2 points)*

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**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

All construction techniques for this project will be at or exceed industry standards. The existing gangways, floating docks and piles will be removed and replaced with new elements further out into towards the channel and one of the floating docks will be extended 100-150 feet parallel to the shoreline.

- b) How are the utilized construction techniques appropriate for the project site?**

All construction materials are at or above industry standards for this project and considered appropriate for the site. The awarded contractor must comply with all State and Federal laws, regulations, and codes applicable to the work as well as those of the City of Jacksonville. This includes, but is not limited to, the protection of all trees and placement of silt fences to prevent materials from dispensing into public waterways.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

None identified at this time.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Materials to be used include aluminum gangways, concrete floating docks and concrete pilings. The typical design life for new floating docks is 20-25 years.

- b) Identify any unique construction materials that may significantly alter the project costs.**

At this time, there are no unique construction materials anticipated that will significantly alter the proposed costs.

*(For reviewer only)*  
*(1-3 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Joe Carlucci B.R. Dock/ Phase 2
<b>Applicant:</b>	City of Jacksonville

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Grants received      October 2017

Grants executed      January 2018

Bid and Award contract      March 2018

Contract Execution      May 2018

Construction Start      June 2018

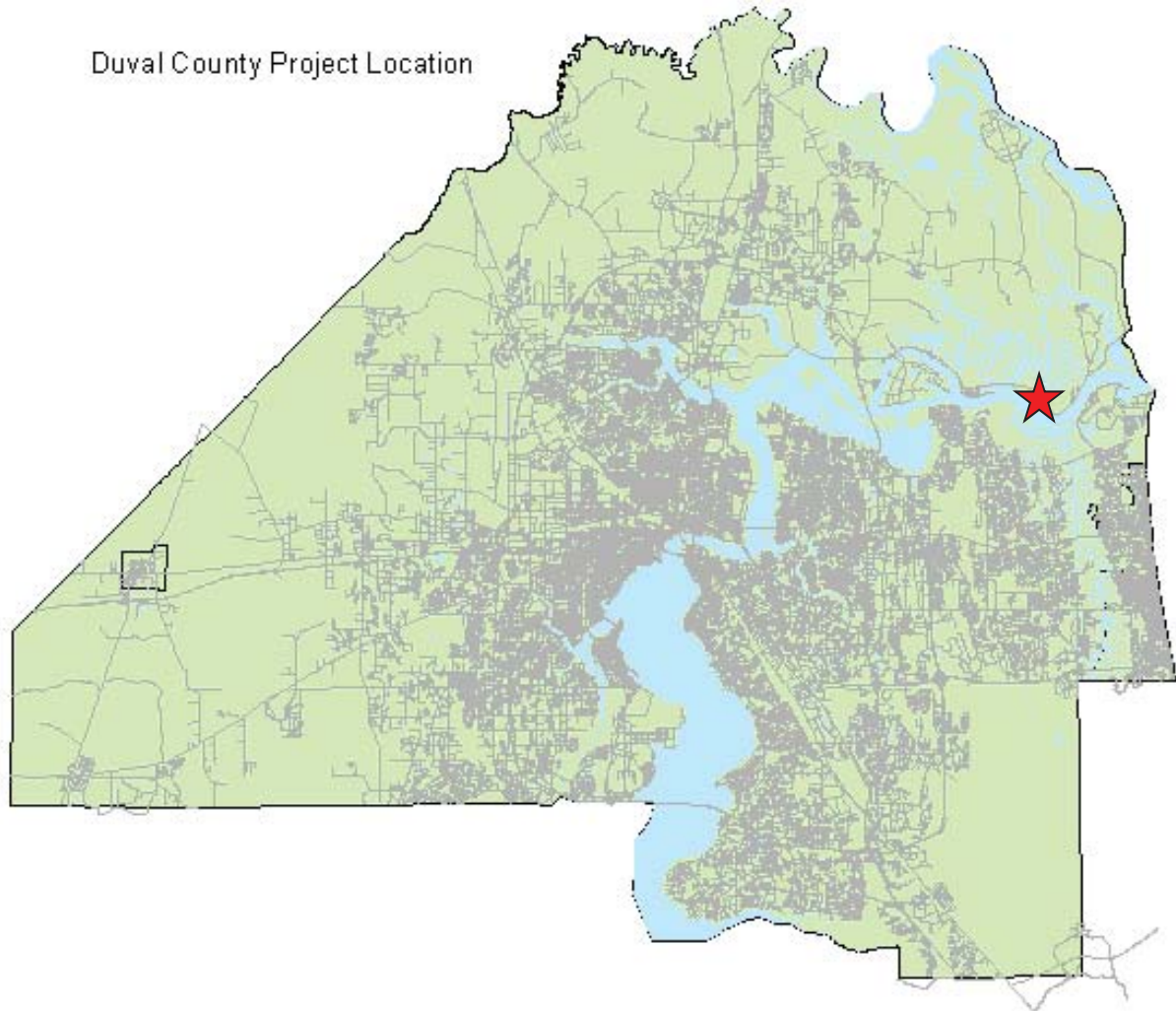
Project completed      November 2018

Grant Close out      December 2018

# EXHIBIT 1: COUNTY LOCATION MAP







JOE CARLUCCI BOAT RAMP  
DOCKS

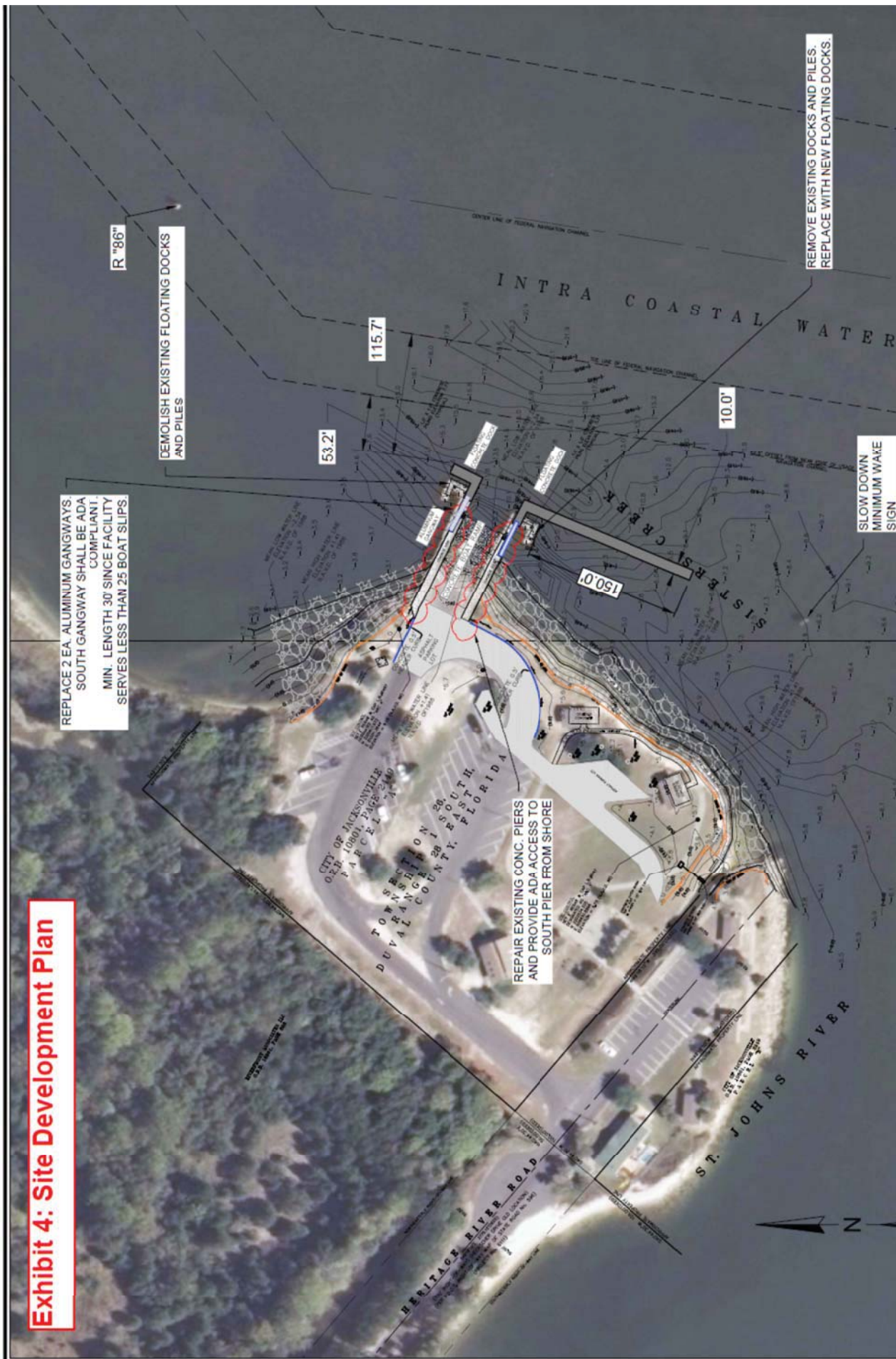
## Exhibit 3: Project Boundary Map



Joe Carlucci Boat Ramp



## Exhibit 4: Site Development Plan





## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of Jacksonville		
<b>Department:</b>	Parks, Recreation and Community Services		
<b>Project Title:</b>	Mandarin B.R. dock & kayak / Phase 1		
<b>Project Director:</b>	Daryl Joseph	<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Brian Burket	<b>Title:</b>	Natural Resource Rec. Spec.
<b>Mailing Address:</b>	214 N. Hogan St, 4th Floor, Room 439		
<b>City:</b>	Jacksonville	<b>Zip Code:</b>	32202
<b>Email Address:</b>	BBurket@coj.net	<b>Phone #:</b>	904-255-7935
<b>Project Address:</b>	14780 Mandarin Road, Jacksonville, FL 32223		

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

SIGNATURE: \_\_\_\_\_ DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The boat ramp at Mandarin Park is the most popular ramp on the Southside of Jacksonville. There are 2 ramp lanes and 47 boat trailer parking spaces but only one 80-foot long floating dock which is inadequate to facilitate efficient launching during peak use. This Phase 1 project would design and permit an extension of the floating dock to double the length to approximately 160 feet. There is also a strong desire for an accessible kayak launch that is separated from the boat traffic at this facility. This project will include a design and permitting for a floating kayak launch with a specialized cradle to enhance its use by paddlers of all abilities and experience. The kayak launch will be positioned on the opposite side of the boardwalk which offers a good barrier between motorized and non-motorized vessels.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Jacksonville	<b>Project Title:</b>	Mandarin B.R. dock & kayak / Phase 1		
<b>Total Project Cost: \$</b>	150,000	<b>FIND Funding Requested: \$</b>	75,000	<b>% of Total Cost:</b>	50
<b>Amount and Source of Applicant's Matching Funds:</b>	The City will match with \$75,000 from the Capital Improvement Budget for FY 2017-2018.				

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

1989, 2004 (boat ramp), 2006 (parking), 2009 (parking expansion)

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

2 ramp lanes, 47 trailer parking spaces, 1 floating dock, 1 boardwalk

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

dock extension by approx. 80 feet & separate floating kayak launch

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	yes		
DEP	yes		
ACOE	yes		
COUNTY / CITY			

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Mandarin B.R. dock & kayak / Phase 1
<b>Applicant:</b>	City of Jacksonville

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

# 7 Development of public boat ramps and launching facilities AND

# 8 Development of public boat docking and mooring facilities

- b) Explain how the project fits this priority category.**

The project will add a new kayak launch facility AND extend the floating dock at boat ramp to improve efficient launching at popular ramp

*(For reviewer only)*

Max. Available Score for application    47

Question 1. Range of Score    (1 to 5 points)



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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

The Mandarin Boat Ramp is located on Julington Creek near confluence with the St. Johns River which is connected to the ICW.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The proposed enhancements to this ramp will result in improved access to the waterways by both boats and paddlers.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The boat ramp at Mandarin Park is the most popular ramp on southside of Jacksonville with 47 boat trailer parking spaces. Boaters have expressed frustration over wait times to launch vessels during peak use.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The proposed improvements to the ramp would enable more efficient launching at this popular facility. The ramp is located near the border with St. Johns County and will likely be used by their residents as well.

- c) Are there any restrictions placed on commercial access or use of this site?**

Commercial use without a permit is prohibited at this site; however, professional fishermen, guides, etc. are allowed to use the ramp for launching as long as no business transactions take place onsite.

*(For reviewer only)*  
*(1-8 points)*

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---

**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

This is a Phase 1 design project. The city anticipates two years to receive the required permits and complete the design.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

None anticipated at this time.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Jacksonville, Capital Improvement Budget for 2017-2018. This will be a 50% match of the project costs.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

None identified at this time.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

The project will utilize the existing boardwalk and floating docks to attach additional floating dock and kayak launch.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees associated with the use of this facility.

*(For reviewer only)*  
*(1-6 points)*

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---

**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes, the project was identified as a need by boaters and paddlers in the community. In addition, the kayak launch was recommended by the Jacksonville Waterways Commission as a future facility to support adaptive recreational programming for those with mobility limitations.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

This project will be maintained by the City of Jacksonville's Parks and Recreation Department.

- c) Will the program result in significant and lasting benefits? Explain.**

Yes, the project will result in significant and lasting benefits for boaters who use this popular ramp during heavy use as well as kayakers of all abilities and experience levels.

- d) Please describe any environmental benefits associated with this project.**

No known environmental benefits have been identified.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

---

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

This is a Phase 1 design project. Permits will be applied when design reaches 60%.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

The project will involve conducting surveys, geotech work, and development of a 60% design to submit for review by the permitting agencies. Phase 2 is anticipated to cost around \$200,000.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

If National Marine Fisheries elects to conduct full review of this permit request, this could delay the project.

*(For reviewer only)  
(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

This is a Phase 1 project. An initial concept is included in Exhibit 4.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The project will utilize the existing boardwalk and floating docks to attach the additional docks and kayak launch structure. The existing boardwalk will provide the desired physical barrier between motorized and non-motorized vessels for safer use.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

All construction techniques for this project will be at or exceed industry standards. The existing floating dock will be extended along that side of the boardwalk. On the other side of the boardwalk, a new gangway will attach and deliver paddlers to another floating dock that will have a specialized cradle for stability when launching kayaks and canoes.

- b) How are the utilized construction techniques appropriate for the project site?**

All construction materials will be at or above industry standards for this project and considered appropriate for the site. The awarded contractor must comply with all State and Federal laws, regulations, and codes applicable to the work as well as those of the City of Jacksonville. This includes, but is not limited to, the protection of all trees and placement of silt fences to prevent materials from dispensing into public waterways.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

None identified at this time.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Materials to be used include concrete floating docks and aluminum gangway. The typical design life is expected to be 20-25 years.

- b) Identify any unique construction materials that may significantly alter the project costs.**

The type of specialized cradle for launching kayaks has not been selected yet. Depending on the design selected, this could affect the project cost.

*(For reviewer only)*  
*(1-3 points)*

---

**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Mandarin B.R. dock & kayak / Phase 1
<b>Applicant:</b>	City of Jacksonville

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

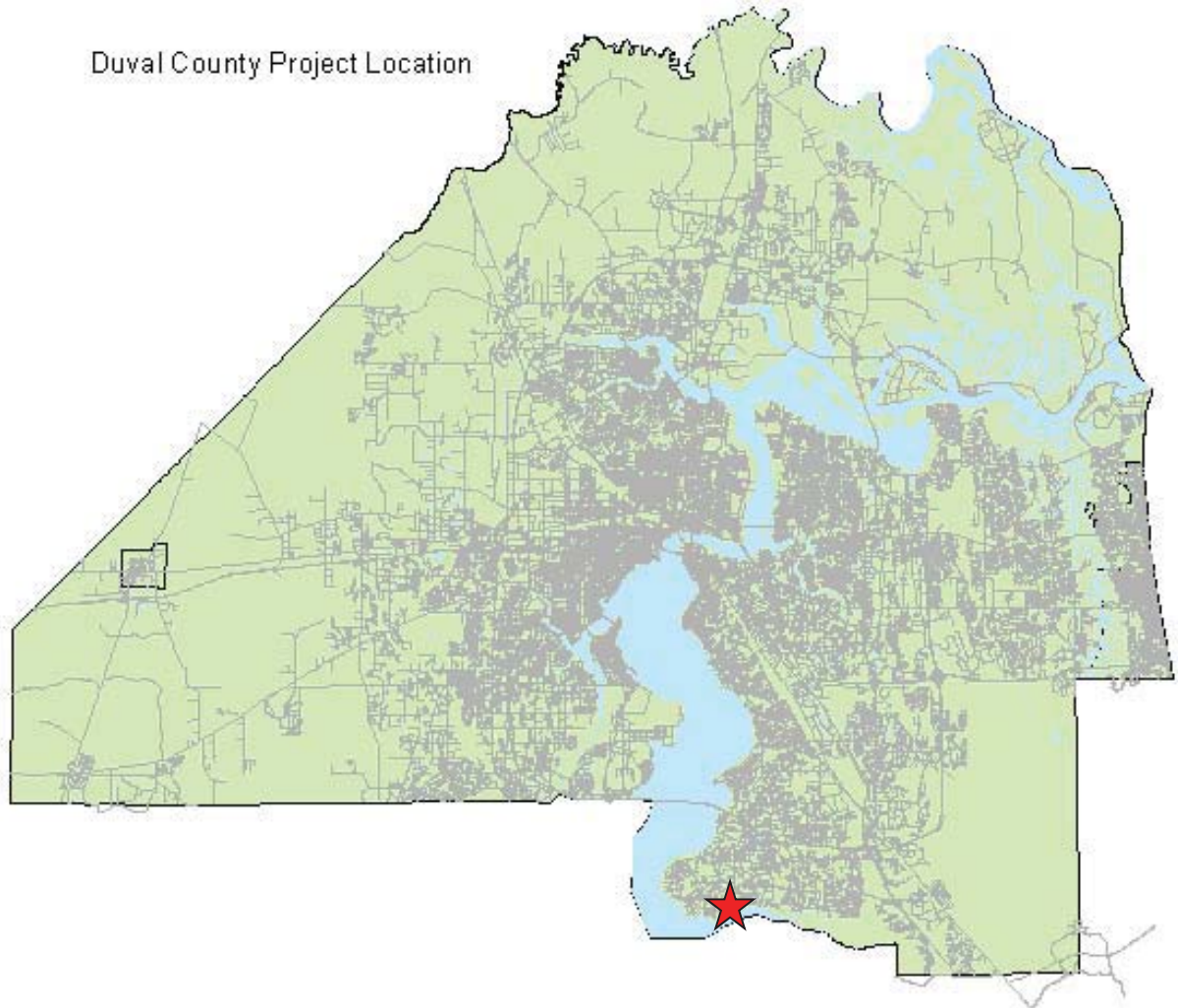
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Grants received	October 2017
Grants executed	January 2018
Award Design contract	March 2018
Design Start	April 2018
Permits received	December 2018
Final plans received	March 2019
Grant Close out	April 2019

# EXHIBIT 1: COUNTY LOCATION MAP







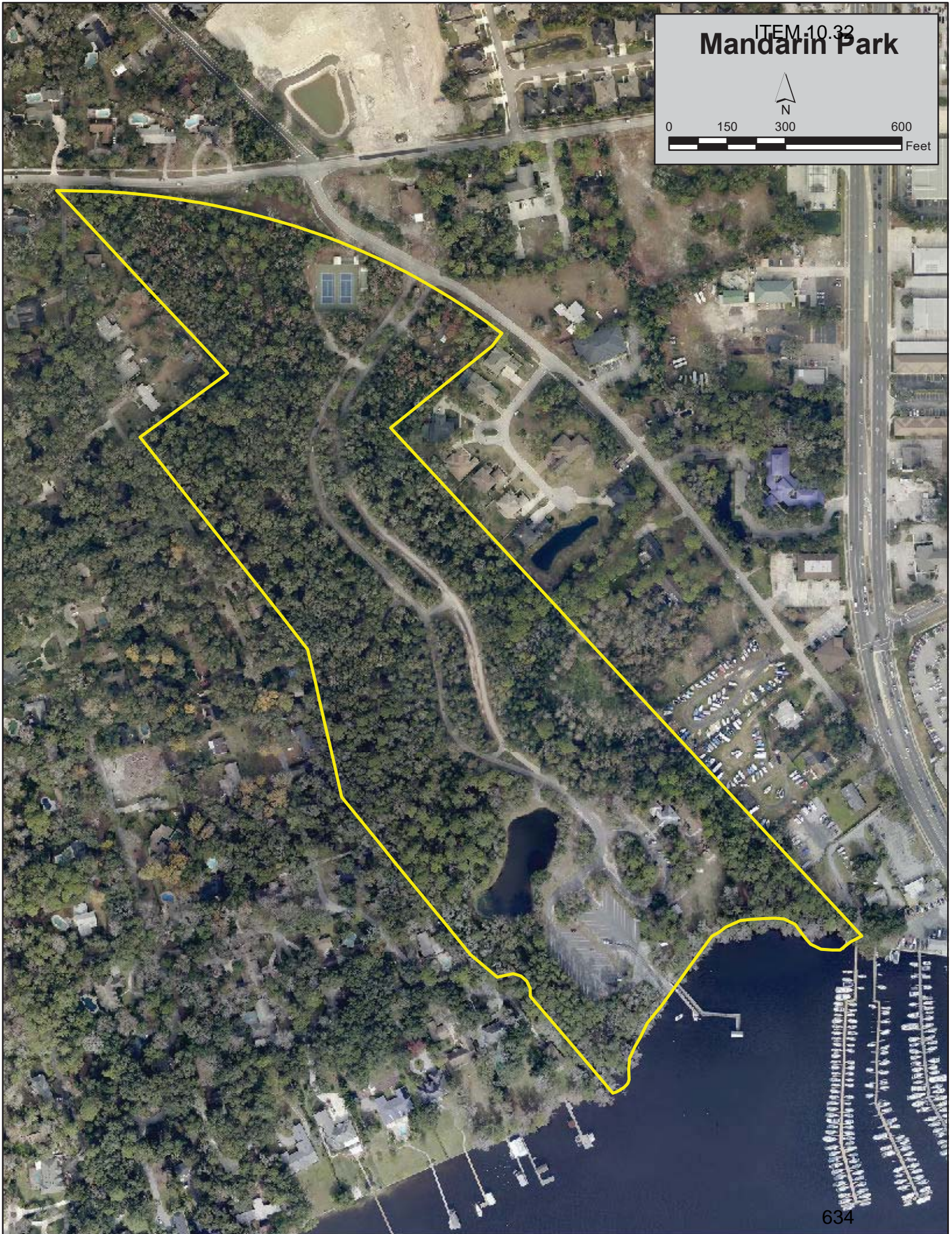
**MANDARIN PARK BOAT RAMP &  
KAYAK LAUNCH**



ITEM 10.32  
**Mandarin Park**



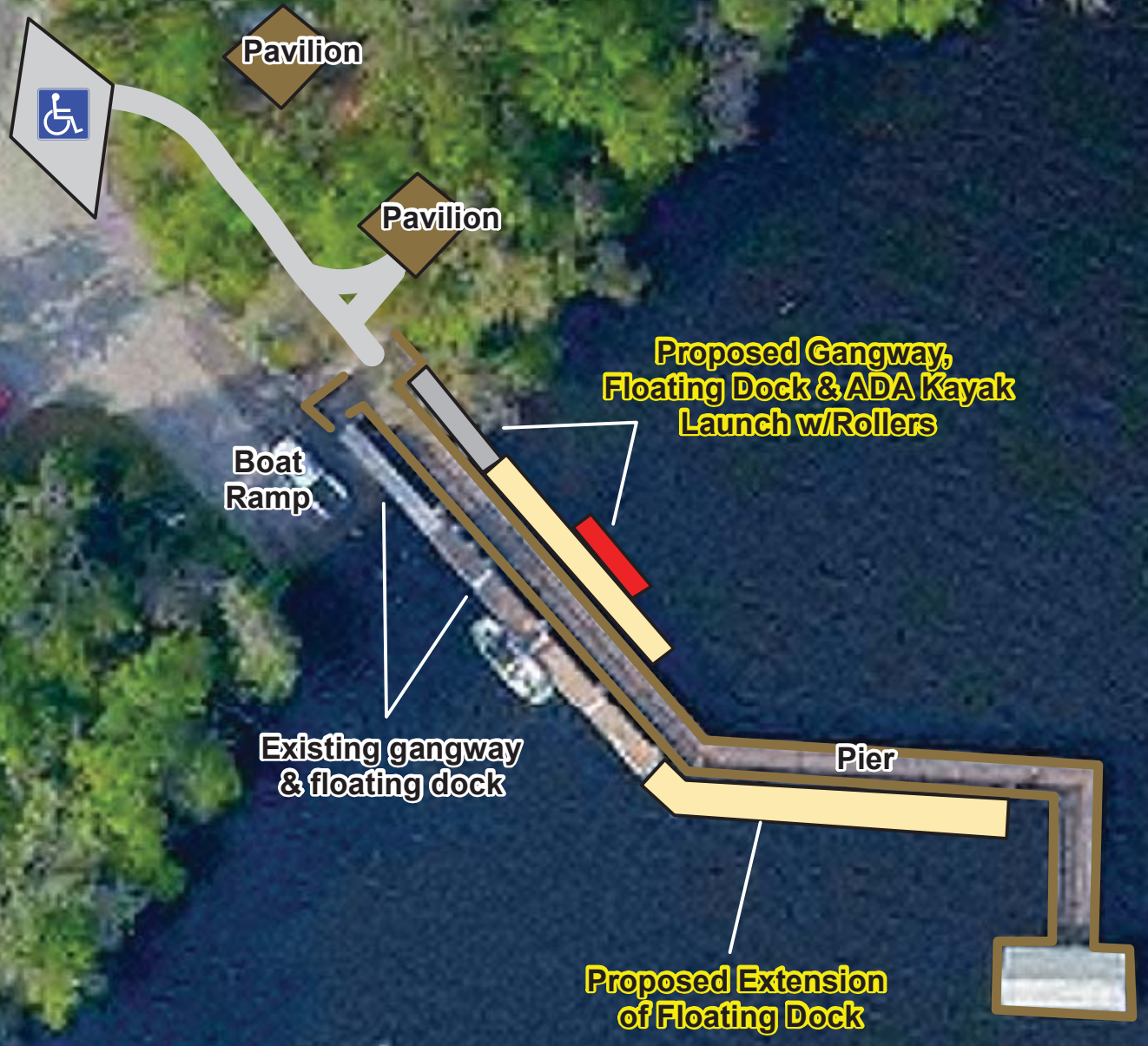
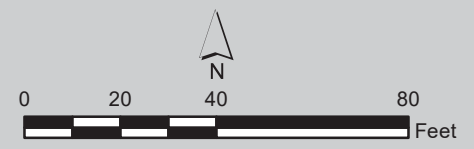
0 150 300 600  
Feet





ITEM 10.32  
**Mandarin Park**

**ADA Kayak Launch Concept**





## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of Jacksonville		
<b>Department:</b>	Parks, Recreation and Community Services		
<b>Project Title:</b>	Oak Harbor Boat Ramp dredge / Phase 1		
<b>Project Director:</b>	Daryl Joseph	<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Brian Burket	<b>Title:</b>	Natural Resource Rec. Spec.
<b>Mailing Address:</b>	214 N. Hogan St, 4th Floor, Room 439		
<b>City:</b>	Jacksonville	<b>Zip Code:</b>	32202
<b>Email Address:</b>	BBurket@coj.net	<b>Phone #:</b>	904-255-7935
<b>Project Address:</b>	2428 Seaway Street, Jacksonville, FL 32233		

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

SIGNATURE: \_\_\_\_\_ DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

Oak Harbor Boat Ramp is a well-used ramp utilized by boaters to access the ICW from the Jacksonville beach communities. The ramp is well protected and accesses the ICW through a maintained canal. The ramp can handle all size vessels, although it gets somewhat shallow at lower tides. The goal of this project is to design and permit a dredge project of the boat ramp basin area and connection to the maintained channel.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Jacksonville	<b>Project Title:</b>	Oak Harbor Boat Ramp dredge / Phase 1		
<b>Total Project Cost: \$</b>	200,000	<b>FIND Funding Requested: \$</b>	100,000	<b>% of Total Cost:</b>	50
<b>Amount and Source of Applicant's Matching Funds:</b>	The City will match with \$100,000 from the Capital Improvement Budget for FY 2017-2018.				

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

1998: \$237,000 award; 1993: \$10,000; 1995: \$82,000

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

1 boat ramp lane with floating dock and 25 boat trailer parking spaces

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

none; project is to dredge boat basin to improve function of ramp

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	yes		
DEP	yes		
ACOE	yes		
COUNTY / CITY			

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Oak Harbor Boat Ramp dredge / Phase 1
<b>Applicant:</b>	City of Jacksonville

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**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority 7-- Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities

- b) Explain how the project fits this priority category.**

The dredge project will improve the access and use of a popular public boat ramp

*(For reviewer only)*

Max. Available Score for application    47

Question 1. Range of Score    (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

Oak Harbor Boat Ramp is directly connected to the ICW near the intersection with St. Johns River.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

This dredge project between the ramp and channel will improve access at the ramp at lower tides and will provide a wider basin for boats while waiting their turn at the ramp and dock during busy use.

*(For reviewer only)*  
*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

With direct access to the ICW and close proximity to the St. Johns River inlet at the Atlantic Ocean, this is a popular ramp that is often used by boaters who don't want to wait in the long lines at heavily used Mayport Boat Ramp.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

This ramp offers a relief valve for the more heavily used Mayport Boat Ramp. The dredge project will improve its functionality at all tide levels and allow more space for boats to stage as they await their turn at the ramp. It is easily accessed by residents of neighboring counties via A1A.

- c) Are there any restrictions placed on commercial access or use of this site?**

Commercial use without a permit is prohibited at this site; however, professional fishermen, guides, etc. are allowed to use the ramp for launching as long as no business transactions take place onsite.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

This is a Phase 1 design project which has not begun. Design and permitting is not expected to be complicated so should only take more than a few months to complete.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

None anticipated at this time.

*(For reviewer only)*  
*(1-3 points)*

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**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Jacksonville, Capital Improvement Budget for 2017-2018. This will be a 50% match of the project costs.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

None identified at this time.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

None identified at this time.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees associated with the use of this ramp nor the nearby Mayport Boat Ramp.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes, the project was identified by the City Dock Master per comments received from local boaters that use this ramp. This project will also help alleviate pressure at the heavily used Mayport Boat Ramp.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City Dock Master will monitor water depths in the project area to measure success and identify future dredging needs.

- c) Will the program result in significant and lasting benefits? Explain.**

Yes, the dredge project is expected to result in 20-25 years of sufficient depths between the ramp and channel at this popular local ramp. Moreover, it will help alleviate pressure at the heavily used Mayport Boat Ramp.

- d) Please describe any environmental benefits associated with this project.**

Dredging the boat basin area will minimize future suspension of silt that occurs when multiple boaters are attempting to navigate around each other when waiting for their turn to use the ramp within the tight existing channel corridor at the ramp area.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4D**  
**INLET MANAGEMENT and PUBLIC NAVIGATION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM**  
**APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS AN INLET  
MANAGEMENT or PUBLIC NAVIGATION PROJECT

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**7) WATERWAY RELATIONSHIP:**

**a) How does the project directly benefit the Atlantic Intracoastal Waterway (AICW)?**

This ramp provides direct access to the ICW and the dredge project will ensure its future use at all tide levels and provide larger area for boats in queue.

**b) Identify any long-term sedimentation problems and briefly discuss any methods or activities that will address these issues.**

No problems have been identified. We anticipate the boat basin will remain relatively clear for 20+ years with regular boat use at the ramp.

**c) Will the project inhibit sediment inflow into, or reduce the dredging frequency of the AICW?**

No impact to the ICW is anticipated from this project.

*(For reviewer only)*  
*(1-5 points)*

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**8) PUBLIC ACCESS:****a) Will the project enhance public access to or from the waterways? Describe in brief detail.**

Yes, the dredge project will ensure the ramp is functional at all tide levels and provide staging area for boats in the water waiting to use the ramp at peak use.

**b) List the upstream publicly accessible facilities with improved access as a result of this project.**

Dredging at Oak Harbor Boat Ramp will improve access to the ICW and indirectly to the St. Johns River and offshore.

*(For reviewer only)*  
*(1 -3 points)*

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**9) BENEFICIAL PROJECT ELEMENTS:****a) Are there additional economic benefits to be realized by implementing this project?**

Dredging at Oak Harbor Boat Ramp will take pressure off the heavily used Mayport Boat Ramp which could result in less wear and tear and associated maintenance costs at Mayport.

**b) Briefly spell out any water quality, environmental or habitat benefits to be realized by this project.**

Dredging the boat basin area will minimize future suspension of silt that occurs when multiple boaters are attempting to navigate around each other when waiting for their turn to use the ramp within the tight existing channel corridor at the ramp area.

*(For reviewer only)*  
*(1 -2 points)*

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**10) PROJECT MAINTENANCE:****a) When was this area last dredged? What is the expected frequency of future dredging?**

The last known dredge was in 1996. The next dredge is expected to last for another 20+ years.

**b) Explain the funding mechanism for the long-term maintenance of the project.**

The Natural and Marine Resources Division of the Parks and Recreation Department will monitor the effectiveness of the dredge project. If future dredging is needed, the Department will either use available funds or seek future grant funding.

**c) Describe the long-range dredge material management plans.**

The City has a long term agreement with JaxPort on the use and management of dredge disposal areas.

*(For reviewer only)*  
*(1 -2 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Oak Harbor Boat Ramp dredge / Phase 1
<b>Applicant:</b>	City of Jacksonville

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

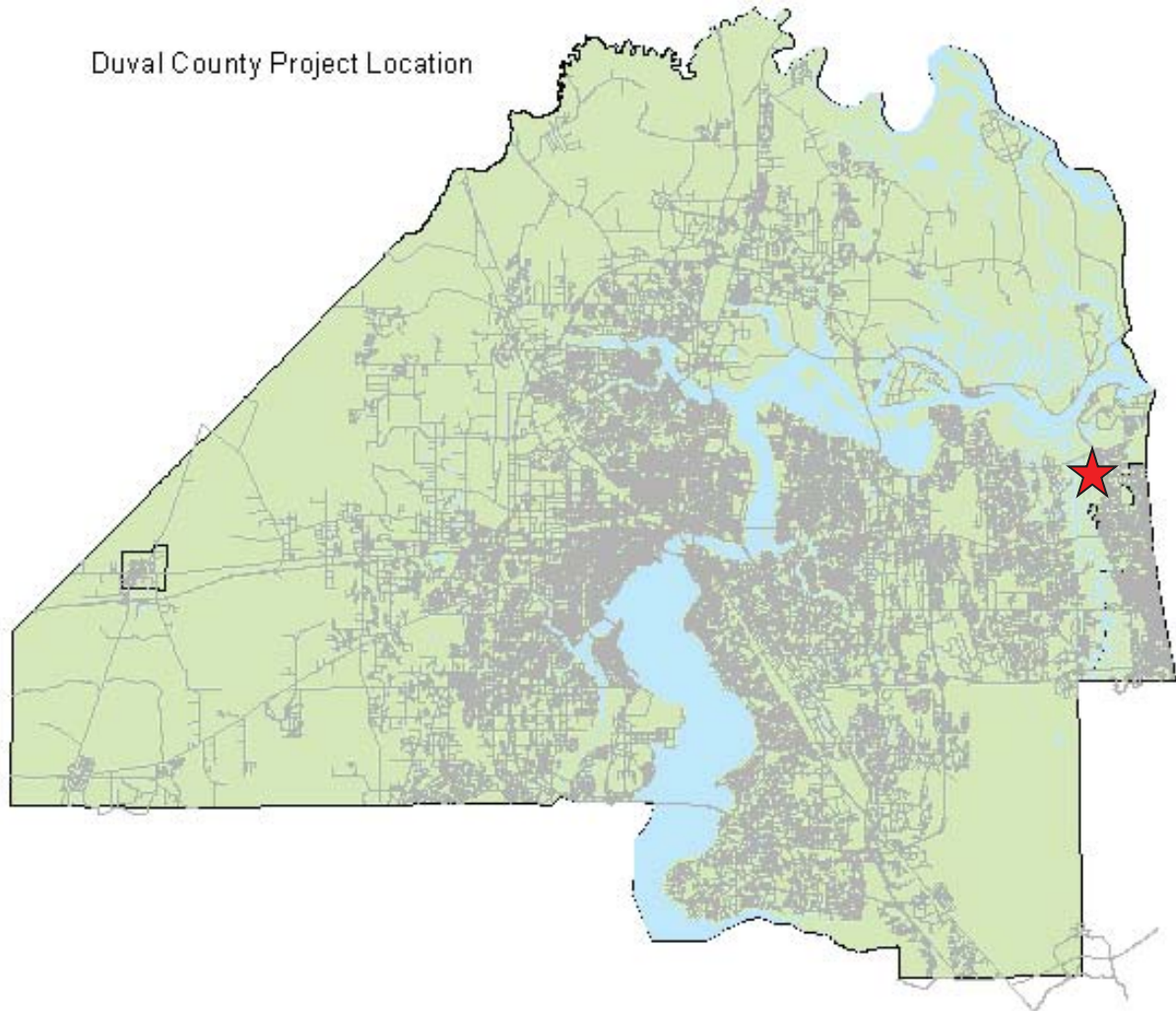
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Grants received	October 2017
Grants executed	January 2018
Award Design contract	March 2018
Design Start	April 2018
Permits received	July 2018
Final plans received	August 2019
Grant Close out	September 2019

# EXHIBIT 1: COUNTY LOCATION MAP

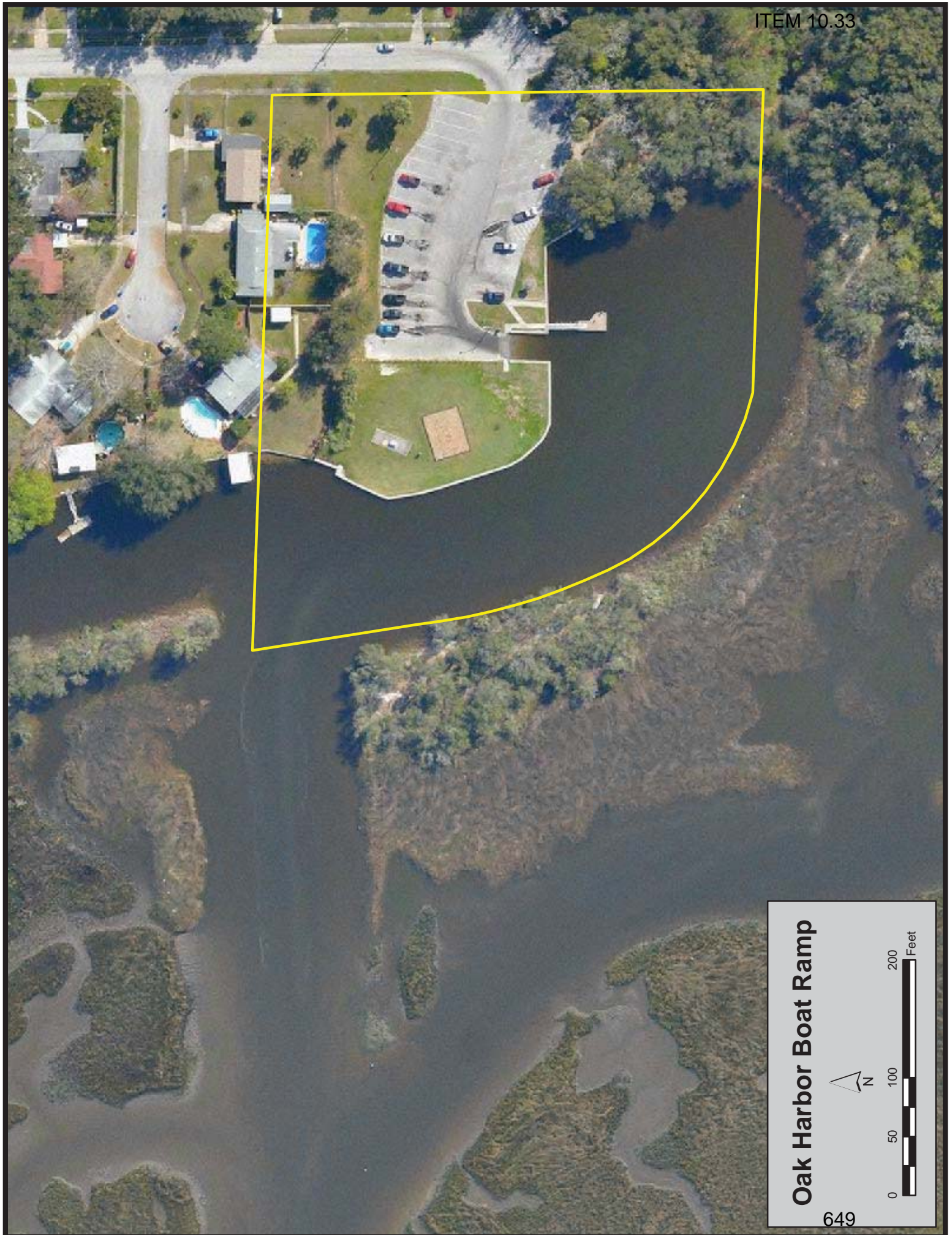






OAK HARBOR BOAT RAMP  
DREDGE





**Oak Harbor Boat Ramp**







**Oak Harbor Boat Ramp**





## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of Jacksonville		
<b>Department:</b>	Parks, Recreation and Community Services		
<b>Project Title:</b>	Post Street Dock/ Phase 1		
<b>Project Director:</b>	Daryl Joseph	<b>Title:</b>	Director
<b>Project Liaison:</b> <small>(if different from Project Director)</small>	Brian Burket	<b>Title:</b>	Natural Resource Rec. Spec.
<b>Mailing Address:</b>	214 N. Hogan St, 4th Floor, Room 439		
<b>City:</b>	Jacksonville	<b>Zip Code:</b>	32202
<b>Email Address:</b>	BBurket@coj.net	<b>Phone #:</b>	904-255-7935
<b>Project Address:</b>	end of Post Street at St. Johns River, Jacksonville, FL 32204		

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

SIGNATURE: \_\_\_\_\_ DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The City of Jacksonville has strong interest in activating our local waterways, particularly in the downtown area. Post Street is a public road in the Riverside and Five Points neighborhoods which are adjacent to downtown that provides close access to many points of interests including popular restaurants and entertainment venues. The street terminates at the St. Johns River with a parking lot between the Cummer Museum of Art and the Jacksonville Garden Club. The community has requested a floating dock connected to the bulkhead at this street end to provide boating access for those wanting to visit the many destinations in this neighborhood. The proposed dock would be available for recreational vessels and potentially serve as a designated stop for the Water Taxi. This project would involve the design and permitting of this floating dock.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Jacksonville	<b>Project Title:</b>	Post Street Dock/ Phase 1
<b>Total Project Cost: \$</b>	150,000	<b>FIND Funding Requested: \$</b>	75,000
<b>% of Total Cost:</b>	50		
<b>Amount and Source of Applicant's Matching Funds:</b>	The City will match with \$75,000 from the Capital Improvement Budget for FY 2017-2018.		

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒

4. If yes, please list:

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

55 car parking spaces, 1 bulkhead shoreline

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

approximately 100 ft. of floating dock

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	yes		
DEP	yes		
ACOE	yes		
COUNTY / CITY			

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Post Street Dock/ Phase 1
<b>Applicant:</b>	City of Jacksonville

---

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

# 8 Development of public boat docking and mooring facilities

- b) Explain how the project fits this priority category.**

The project consists of developing a floating docks in order to provide water-based public access to the surrounding neighborhood.

*(For reviewer only)*

Max. Available Score for application    47

Question 1. Range of Score    (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

Boaters that will utilize this dock will be coming from points up and down the St. Johns River which is connected to the ICW.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

Many long distance travelers using the ICW often detour into downtown Jacksonville to explore its destinations. This project will improve access for them.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The Riverside and Five Points neighborhood is well populated with residential and attractive commercial destinations. The community has requested a dock in this area in multiple public meetings. It is anticipated that the dock will be well used throughout the week and peak on weekends.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

Locals and visitors from adjacent counties and beyond will benefit from this new dock which will provide a boating point of entry into the popular and trendy Riverside and Five Points neighborhood so they can explore its destinations.

- c) Are there any restrictions placed on commercial access or use of this site?**

Commercial use without a permit will be prohibited at this site; however, it is anticipated that the water taxi service may request permission to use it as one of their stops.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

This is a Phase 1 project; only a concept has been developed. The City anticipates completing the design and receiving the necessary permits by September 2018.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

If National Marine Fisheries elects to conduct full review of this permit request, this could delay the project.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Jacksonville, Capital Improvement Budget for 2017-2018. This will be a 50% match of the project costs.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

If structural issues are identified at the existing bulkhead, this could impact the cost of the project.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

The project is intended to utilize the existing bulkhead to attach the new gangways and floating dock.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There will be no fees associated with the use of this facility.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes, the community specifically requested a floating dock at this location in multiple public meetings to improve boating access for those wanting to visit the area and support local businesses.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

This project will be maintained by the City of Jacksonville's Parks and Recreation Department.

- c) Will the program result in significant and lasting benefits? Explain.**

Yes, the project will provide boating access to a highly desirable neighborhood that contains many destinations. The dock will have lasting positive impact on the neighborhood and be popular with boaters coming from near and far.

- d) Please describe any environmental benefits associated with this project.**

No known environmental benefits are known at this time.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_



**ATTACHMENT E-4A**  
**DEVELOPMENT & CONSTRUCTION PROJECTS**  
**WATERWAYS ASSISTANCE PROGRAM**  
**APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

---

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

This is a Phase 1 project request; design and permitting have not begun.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

Permits will be applied for after design reaches 60%. Phase 2 is currently estimated to cost \$300,000.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

If National Marine Fisheries elects to conduct full review of this permit request, this could delay the project.

*(For reviewer only)*  
*(1-4 points)*

---

**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Only a concept has been developed at this time; see Exhibit 4.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The project will utilize the existing bulkhead. The docks will avoid impacts to any submerged aquatic vegetation.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

All construction techniques for this project will be at or exceed industry standards. A gangway and floating dock will be attached to the existing bulkhead and a new sidewalk will link to the existing parking lot.

- b) How are the utilized construction techniques appropriate for the project site?**

All construction materials are at or above industry standards for this project and considered appropriate for the site. The awarded contractor must comply with all State and Federal laws, regulations, and codes applicable to the work as well as those of the City of Jacksonville. This includes, but is not limited to, the protection of all trees and placement of silt fences to prevent materials from dispensing into public waterways.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

None identified at this time.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Materials to be used include aluminum gangways, concrete floating docks and concrete pilings. The typical design life for new floating docks is 20-25 years.

- b) Identify any unique construction materials that may significantly alter the project costs.**

At this time, there are no unique construction materials anticipated that will significantly alter the proposed costs.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Post Street Dock/ Phase 1
<b>Applicant:</b>	City of Jacksonville

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

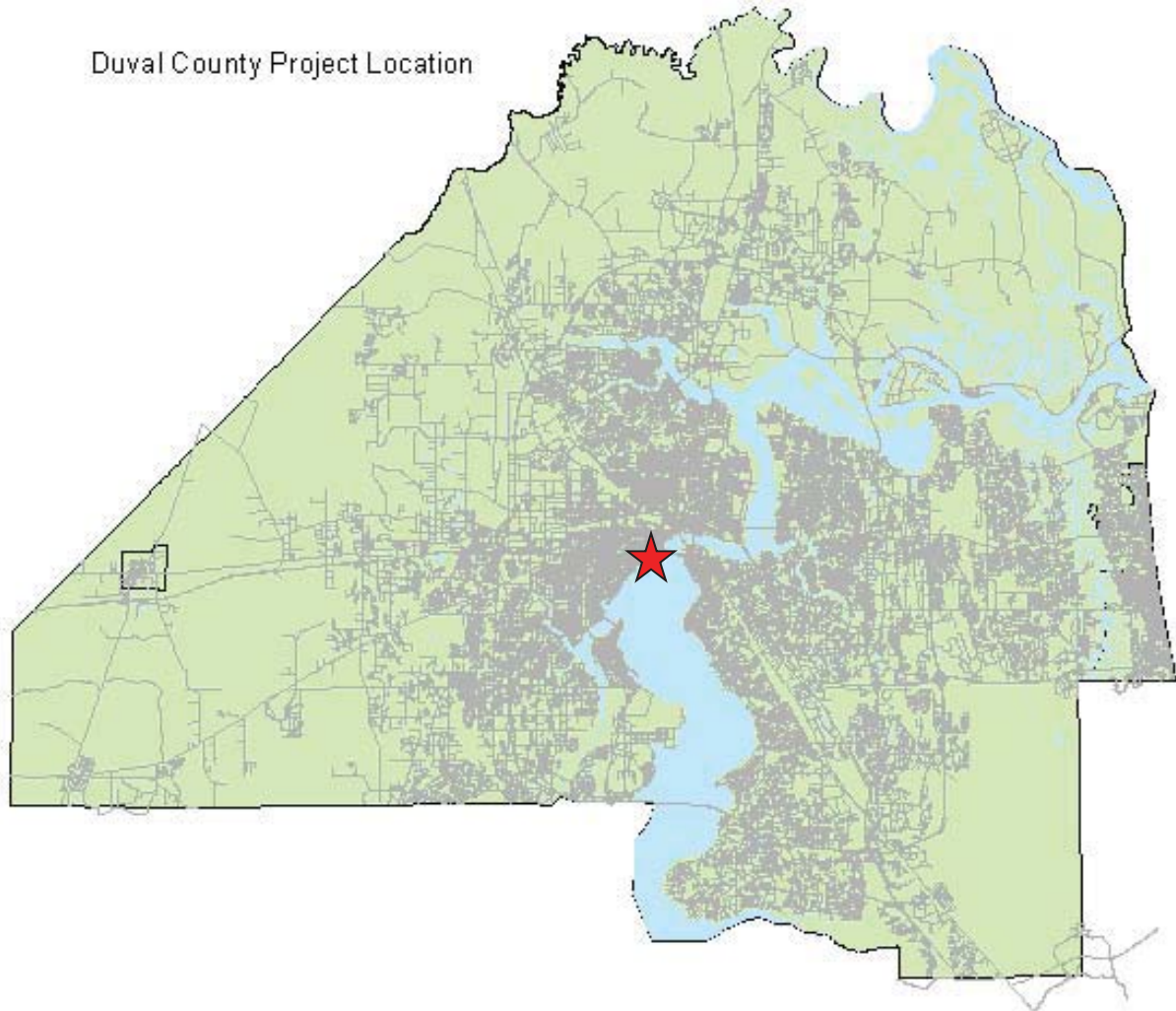
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Grants received	October 2017
Grants executed	January 2018
Award Design contract	March 2018
Design Start	April 2018
Permits received	August 2018
Final plans received	September 2018
Grant Close out	September 2018

# EXHIBIT 1: COUNTY LOCATION MAP



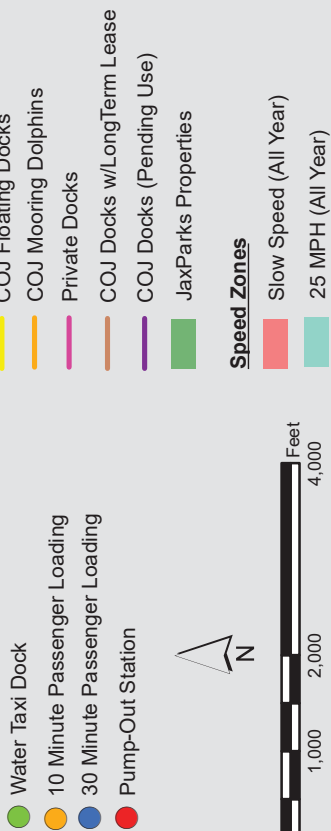




POST STREET  
DOCK



# Downtown Jacksonville Waterway Facilities



Hogans Creek

McCoy's Creek

CSX Bulkhead

Pearl St.

Hogan St.

Newman St.

Market St.

Liberty St.

COJ Shipyard Property

Lot H

Metro Park Marina  
-marina & kayak launch

Exchange Club  
Island Park

St. Johns River

DCSB

JEA Docks

St. John's Marina  
Boat Ramp

RAM

Forest St.

Jackson St.





St. Johns River

Proposed  
Floating Dock

Riverside  
Arts Market

Gummer Museum  
of Arts & Gardens

The Garden Club  
of Jacksonville

Riverside Ave.

Post Street

Riverside  
Park

5 Points



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of Jacksonville		
<b>Department:</b>	Parks, Recreation and Community Services		
<b>Project Title:</b>	Ribault River channel markers/ Phase 1		
<b>Project Director:</b>	Daryl Joseph	<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Brian Burket	<b>Title:</b>	Natural Resource Rec. Spec.
<b>Mailing Address:</b>	214 N. Hogan St, 4th Floor, Room 439		
<b>City:</b>	Jacksonville	<b>Zip Code:</b>	32202
<b>Email Address:</b>	BBurket@coj.net	<b>Phone #:</b>	904-255-7935
<b>Project Address:</b>	Ribault River, Jacksonville, FL		

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

SIGNATURE: \_\_\_\_\_ DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

The Ribault River is a winding, scenic river in Northwest Jacksonville. There are two boat ramps and two additional parks with kayak launches along the river that services the surrounding minority neighborhood that is mostly composed of low to moderate income residents. Boaters in this area complain about difficulty in finding the channel while navigating the numerous twists and bends of the river. The depths are sufficient if boaters can stay in the channel which is currently unmarked. This Phase 1 project would design and permit the installation of channel markers along a three mile stretch from the confluence with Trout River upstream to the Harborview Boat Ramp, with an emphasis on the turns where the existing channel is not as obvious.

## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Jacksonville	<b>Project Title:</b>	Ribault River channel markers/ Phase 1		
<b>Total Project Cost: \$</b>	60,000	<b>FIND Funding Requested: \$</b>	30,000	<b>% of Total Cost:</b>	50
<b>Amount and Source of Applicant's Matching Funds:</b>	The City will match with \$30,000 from the Capital Improvement Budget for FY 2017-2018.				

**1. Ownership of Project Site (check one):** Own: ☐ Leased: ☐ Other: ☒

**2. If leased or other, please describe lease or terms and conditions:**

The Ribault River is Sovereign Submerged Lands.

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☐ No: ☒

**4. If yes, please list:**

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

2 boat ramps and 2 kayak launches at 4 separate public access points along Ribault River.

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

This project will add channel markers for safe navigation.

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	yes		
DEP	yes		
ACOE	yes		
COUNTY / CITY			

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Ribault River channel markers/ Phase 1
<b>Applicant:</b>	City of Jacksonville

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority #2 - Public navigation aids & markers.

- b) Explain how the project fits this priority category.**

The project will design/permit channel markers along three-mile stretch of Ribault River.

*(For reviewer only)*

Max. Available Score for application 50

Question 1. Range of Score (1 to 8 points)



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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

Ribault River is connected to Trout River which connects to the St. Johns River which is connected to the ICW. The main reason for installing channel markers in this location is for safe navigation of the river.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The addition of channel markers will help boaters safely navigate the numerous bends of the Ribault River.

*(For reviewer only)*  
*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

While not among the busiest of waterways in Jacksonville, the scenic Ribault River meanders through low-to-moderate income, minority neighborhoods that are historically under served. The completion of this project will remove a barrier to less experienced boaters that desire safe and easy navigation of the river.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The ramps along the Ribault River are located in the northwest area of Jacksonville only about 8 miles from the Nassau County line with access from U.S. 1 and Interstate 95. Any boaters that choose to explore the scenic waters of the Ribault River will benefit from this channel marking project.

- c) Are there any restrictions placed on commercial access or use of this site?**

Commercial use without a permit is prohibited at this site; however, professional fishermen, guides, etc. are allowed to use the ramp for launching as long as no business transactions take place onsite.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

This is a Phase 1 design project which has not begun. Design and permitting is not expected to be complicated so should only take more than a few months to complete.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

None anticipated at this time.

*(For reviewer only)*  
*(1-3 points)*

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**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Jacksonville, Capital Improvement Budget for 2017-2018. This will be a 50% match of the project costs.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

None identified at this time.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

None identified at this time.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees associated with the use of the river.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes, the project was identified as a need by the local boating community and championed by the District City Councilman.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The Natural and Marine Resources Division of the Parks and Recreation Department will inspect the channel markers quarterly and oversee maintenance, as needed.

- c) Will the program result in significant and lasting benefits? Explain.**

Yes, the project will result in safer navigation of the Ribault River by local and visiting boaters who choose to explore this hidden gem of a river in Jacksonville.

- d) Please describe any environmental benefits associated with this project.**

The installation of channel markers will result in fewer boats running into sand bars and oyster beds.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)



**ATTACHMENT E-4D**  
**INLET MANAGEMENT and PUBLIC NAVIGATION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM**  
**APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS AN INLET  
MANAGEMENT or PUBLIC NAVIGATION PROJECT

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**7) WATERWAY RELATIONSHIP:**

**a) How does the project directly benefit the Atlantic Intracoastal Waterway (AICW)?**

This project will add channel markers to the Ribault River which is connected to the ICW by way of Trout and St. Johns River. The markers will significantly improve safe navigation of boaters using the Ribault River.

**b) Identify any long-term sedimentation problems and briefly discuss any methods or activities that will address these issues.**

The channel makers will clearly define the channel for boaters to avoid shallow areas, particularly around bends.

**c) Will the project inhibit sediment inflow into, or reduce the dredging frequency of the AICW?**

No, this project only involves adding channel markers.

*(For reviewer only)*  
*(1-5 points)*

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**8) PUBLIC ACCESS:****a) Will the project enhance public access to or from the waterways? Describe in brief detail.**

Yes, the channel markers will make it safer and easier for boaters to access the two boat ramps on the Ribault River.

**b) List the upstream publicly accessible facilities with improved access as a result of this project.**

Harborview Boat Ramp and T.K. Stokes Boat Ramp are both public boat ramps managed by the City along the Ribault River. Both are nice facilities but are currently under-utilized, in part, because of the navigational challenges that serve as a barrier to inexperienced boaters in the area. In particular, Harborview Boat Ramp has received FIND funding in the past to improve this facility and there is a strong desire by the community to see it used more often.

*(For reviewer only)*  
*(1 -3 points)*

---

**9) BENEFICIAL PROJECT ELEMENTS:****a) Are there additional economic benefits to be realized by implementing this project?**

Additional use of the boat ramps on the Ribault River should led to more local sales of bait & tackle, fuel, etc. to support the boating experience in the local area.

**b) Briefly spell out any water quality, environmental or habitat benefits to be realized by this project.**

The addition of channel markers will prevent future boat collisions with sand bars and oyster beds which could led to fuel leaks if damage is severe.

*(For reviewer only)*  
*(1 -2 points)*

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**10) PROJECT MAINTENANCE:****a) When was this area last dredged? What is the expected frequency of future dredging?**

No known dredging history. This project does not involve dredging as channel depths are sufficient for recreational boats.

**b) Explain the funding mechanism for the long-term maintenance of the project.**

The Natural and Marine Resources Division of the Parks and Recreation Department will inspect the channel markers quarterly and oversee maintenance, as needed.

**c) Describe the long-range dredge material management plans.**

This project does not involve dredging as channel depths are sufficient for recreational boats.

*(For reviewer only)*  
*(1 -2 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Ribault River channel markers/ Phase 1
<b>Applicant:</b>	City of Jacksonville

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

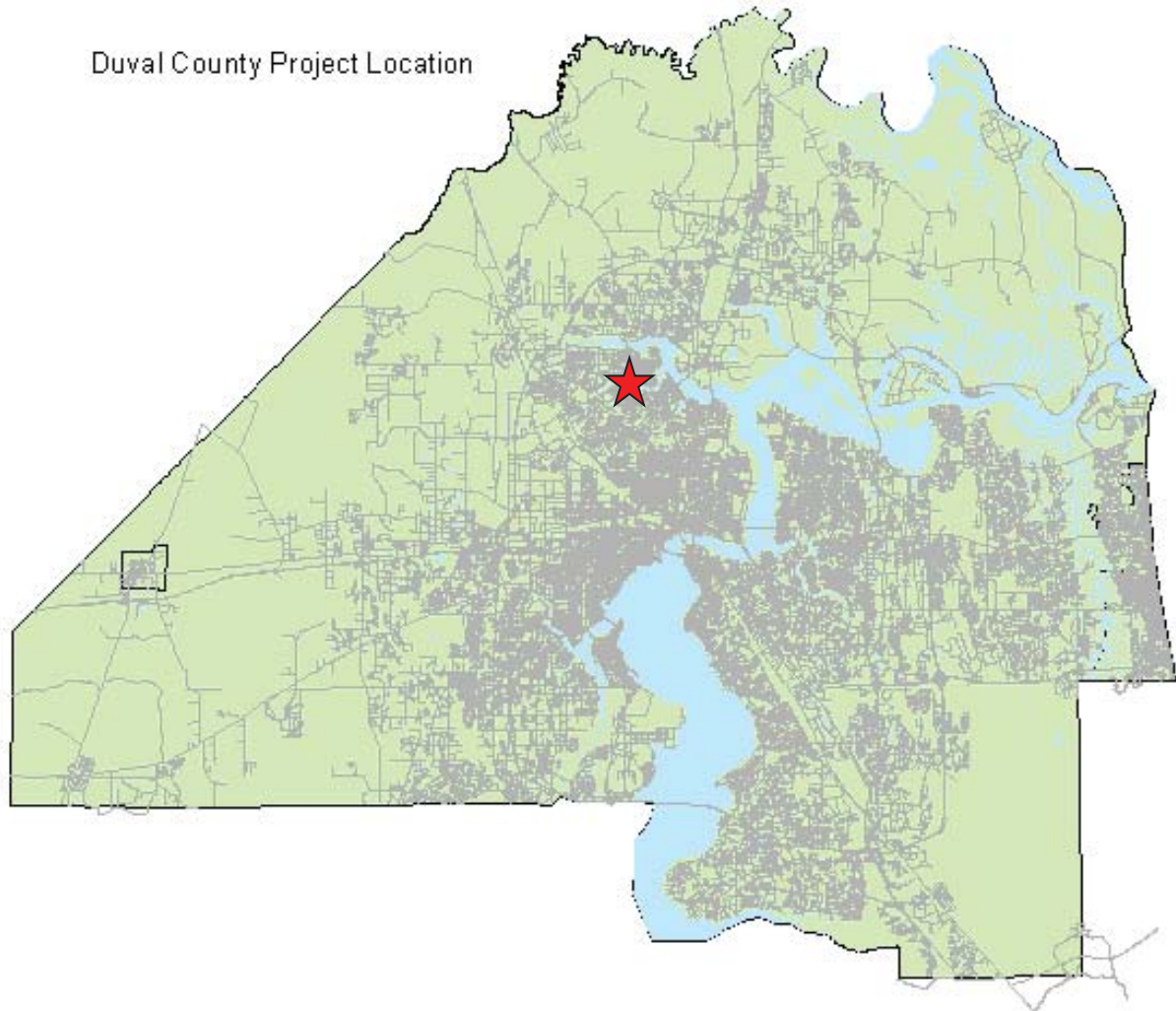
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Grants received	October 2017
Grants executed	January 2018
Award Design contract	March 2018
Design Start	April 2018
Permits received	July 2018
Final plans received	August 2019
Grant Close out	September 2019

# EXHIBIT 1: COUNTY LOCATION MAP







RIBAUT RIVER  
CHANNEL MARKERS



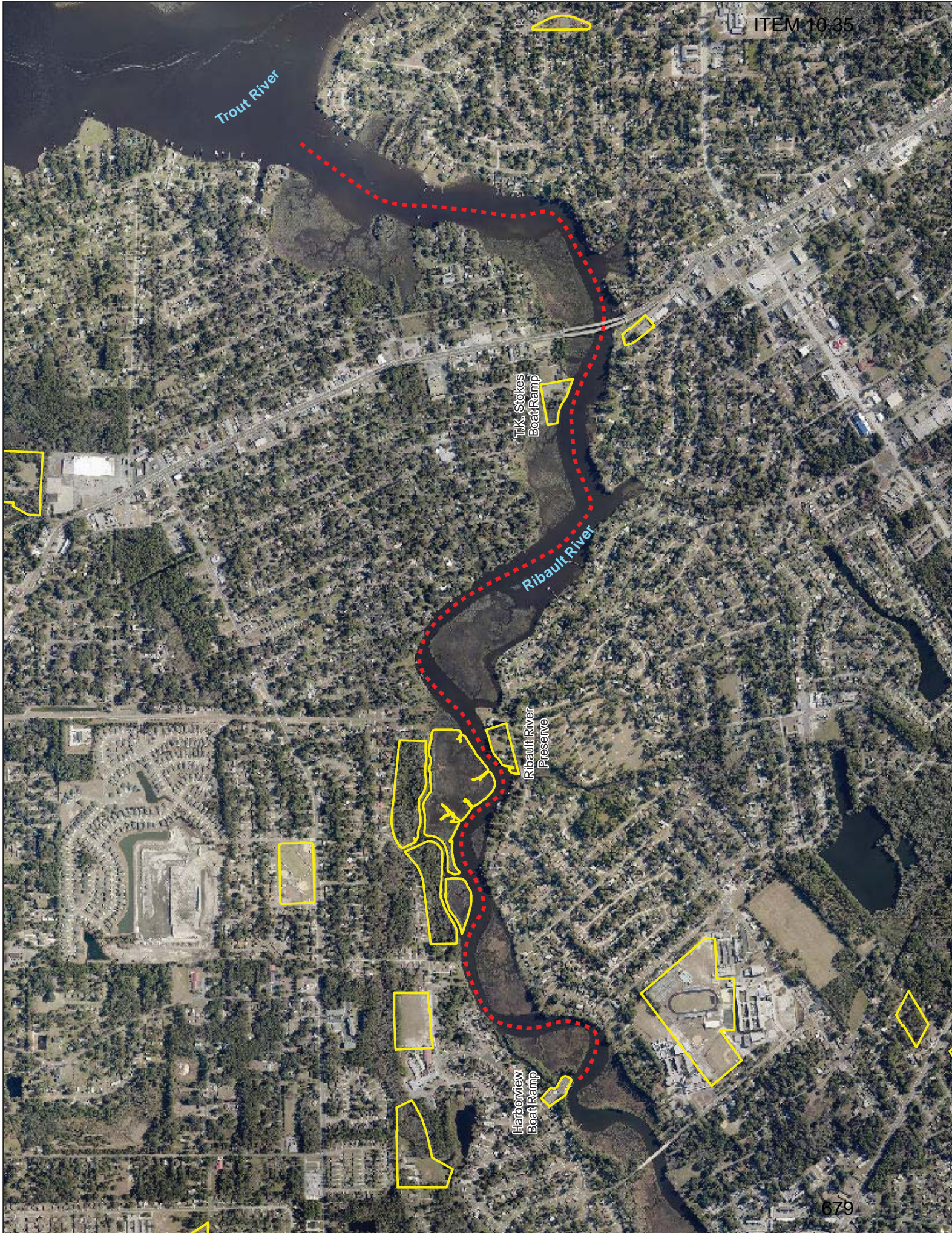
Trout River

T.K. Stokes  
Boat Ramp

Ribault River

Ribault River  
Preserve

Harborview  
Boat Ramp





## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of Jacksonville		
<b>Department:</b>	Parks, Recreation and Community Services		
<b>Project Title:</b>	Riverfront Park fishing platform/ Phase 1		
<b>Project Director:</b>	Daryl Joseph	<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Brian Burket	<b>Title:</b>	Natural Resource Rec. Spec.
<b>Mailing Address:</b>	214 N. Hogan St, 4th Floor, Room 439		
<b>City:</b>	Jacksonville	<b>Zip Code:</b>	32202
<b>Email Address:</b>	BBurket@coj.net	<b>Phone #:</b>	904-255-7935
<b>Project Address:</b>	901 Landon Rd, Jacksonville, FL 32207		

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

SIGNATURE: \_\_\_\_\_ DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

Riverfront Park is a long, narrow strip of land between River Road and the St. Johns River that is popular passive park for strolling along the waterfront, watching the sunset and fishing. Currently, fishermen set up along much of the bulkhead which has caused unintended impacts such as denuded grass, holes for anchoring fishing poles, scattered trash and monofilament lines, etc. The goal of this project is to concentrate the fishing use to designated areas while providing an enhanced fishing experience. This project will involve the design and permitting of a fishing structure at this park.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Jacksonville	<b>Project Title:</b>	Riverfront Park fishing platform/ Phase 1		
<b>Total Project Cost: \$</b>	120,000	<b>FIND Funding Requested: \$</b>	60,000	<b>% of Total Cost:</b>	50
<b>Amount and Source of Applicant's Matching Funds:</b>	The City will match with \$60,000 from the Capital Improvement Budget for FY 2017-2018.				

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒

4. If yes, please list:

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

approximately 650 feet of bulkhead shoreline, on-street parking

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

approximately 100 ft. long fishing structure

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	yes		
DEP	yes		
ACOE	yes		
COUNTY / CITY			

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Riverfront Park fishing platform/ Phase 1
<b>Applicant:</b>	City of Jacksonville

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority # 11 Public fishing & viewing piers

- b) Explain how the project fits this priority category.**

The project consists of developing a fishing structure to enhance the fishing experience.

*(For reviewer only)*

Max. Available Score for application 45

Question 1. Range of Score (1 to 3 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

The fishing structure will provide a local fishing point of access on the St. Johns River which connects to the ICW.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The project benefits public access for area residents for fishing as well as serving as a scenic overlook on the St. Johns River.

*(For reviewer only)*  
*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The request for this project came from the local City Councilmember after talking with local residents. The project also received support from the Waterways Commission.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

While anyone will be welcome to use the new fishing structure, it will mainly be used by local residents and fishermen who favor this location.

- c) Are there any restrictions placed on commercial access or use of this site?**

Commercial use without a permit will be prohibited at this site.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

This is a Phase 1 project; only a concept has been developed. The City anticipates completing the design and receiving the necessary permits by September 2018.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

None anticipated at this time.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Jacksonville, Capital Improvement Budget for 2017-2018. This will be a 50% match of the project costs.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

If structural issues are identified at the existing bulkhead, this could impact the cost of the project.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

The project is intended to utilize the existing bulkhead to attach the new fishing structure.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There will be no fees associated with the use of this facility.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes, the community specifically requested a fishing structure at this location in multiple public meetings to improve concentrate and enhance the fishing experience as well as serving as a great viewing platform for observing the river, watching dolphins and enjoying the scenic sunset.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

This project will be maintained by the City of Jacksonville's Parks and Recreation Department.

- c) Will the program result in significant and lasting benefits? Explain.**

Yes, the project will provide enhanced fishing and riverfront scenic views for residents of the surrounding neighborhood and its visitors.

- d) Please describe any environmental benefits associated with this project.**

The fishing structure will likely result in growth of barnacles, oysters and mussels on the pilings which will in turn attract fish.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25

Rule 66B-2.005 (Effective Date: 3-21-01, Revised 4-24-06, 1-27-14)

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS  
  
WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

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**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

This is a Phase 1 project request; design and permitting have not begun.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

Permits will be applied for after design reaches 60%. Phase 2 is currently estimated to cost \$250,000.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

None anticipated at this time.

*(For reviewer only)  
(1-4 points)*



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**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Only a concept has been developed at this time; see Exhibit 4.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The project will utilize the existing bulkhead. The project will minimize impacts to any submerged aquatic vegetation, if found to be present.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

All construction techniques for this project will be at or exceed industry standards. Design will be to COJ park standards for the marine environment. Pressure treated lumber and posts will likely be used with planks screwed in with galvanized hardware.

- b) How are the utilized construction techniques appropriate for the project site?**

All construction materials are at or above industry standards for this project and considered appropriate for the site. The awarded contractor must comply with all State and Federal laws, regulations, and codes applicable to the work as well as those of the City of Jacksonville. This includes, but is not limited to, the protection of all trees and placement of silt fences to prevent materials from dispensing into public waterways.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

None identified at this time.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Design will be to COJ park standards for the marine environment. Pressure treated lumber and posts will likely be used with planks screwed in with galvanized hardware. The life span of the project is expected to be 20-25 years.

- b) Identify any unique construction materials that may significantly alter the project costs.**

At this time, there are no unique construction materials anticipated that will significantly alter the proposed costs.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Riverfront Park fishing platform/ Phase 1
<b>Applicant:</b>	City of Jacksonville

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

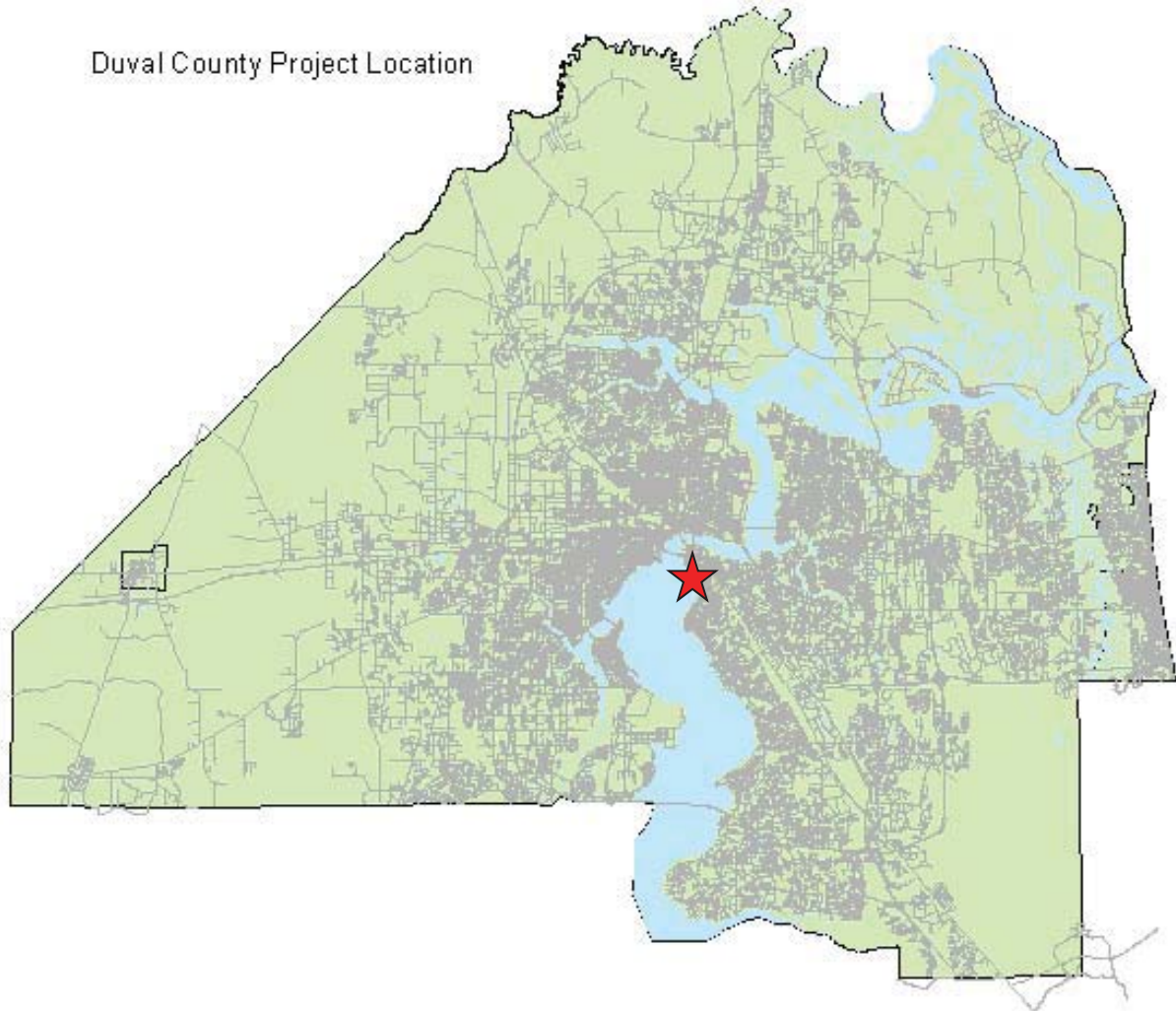
**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

---

Grants received	October 2017
Grants executed	January 2018
Award Design contract	March 2018
Design Start	April 2018
Permits received	August 2018
Final plans received	September 2018
Grant Close out	September 2018

# EXHIBIT 1: COUNTY LOCATION MAP





**RIVERFRONT PARK  
FISHING PLATFORM**



Lavene Street

San Marco Blvd.

Alley

River Road

Landon Avenue

# Riverfront Park





Lavene Street

San Marco Blvd.

Alley

River Road

Landon Avenue

# Riverfront Park



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of Jacksonville		
<b>Department:</b>	Parks, Recreation and Community Services		
<b>Project Title:</b>	Sisters Creek Lighting/ Phase 2    Part 2		
<b>Project Director:</b>	Daryl Joseph	<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Brian Burket	<b>Title:</b>	Natural Resource Rec. Spec.
<b>Mailing Address:</b>	214 N. Hogan St, 4th Floor, Room 439		
<b>City:</b>	Jacksonville	<b>Zip Code:</b>	32202
<b>Email Address:</b>	BBurket@coj.net	<b>Phone #:</b>	904-255-7935
<b>Project Address:</b>	8203 Heckscher Drive, Jacksonville, FL 32226		

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

SIGNATURE: \_\_\_\_\_ DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

In 2013, FIND awarded funding for the design and installation of lighting projects at two popular, 24-hour boat ramp facilities at Jim King Park at Sisters Creek Marina and Mike McCue Park and Boat Ramp. The former project at Sisters Creek was only partially completed due to budget constraints. This grant application is requesting funds to complete the lighting project that has already been designed. This boat ramp is very popular with boaters, fishermen and shrimpers and is the home of the Jacksonville Kingfish Tournament.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Jacksonville	<b>Project Title:</b>	Sisters Creek Lighting/ Phase 2		
<b>Total Project Cost: \$</b>	220,000	<b>FIND Funding Requested: \$</b>	110,000	<b>% of Total Cost:</b>	50
<b>Amount and Source of Applicant's Matching Funds:</b>	The City will match with \$110,000 from the Capital Improvement Budget for FY 2017-2018.				

**1. Ownership of Project Site (check one):** Own: ☒ Leased: ☐ Other: ☐

**2. If leased or other, please describe lease or terms and conditions:**

**3. Has the District previously provided assistance funding to this project or site?** Yes: ☒ No: ☐

**4. If yes, please list:**

Received 2013 award for Phase 1 of this lighting project. Plus, many other FIND awards.

**5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):**

4 boat ramps, 94 trailer parking spaces, fishing pier, 360' floating dock, kayak launch

**6. How many additional ramps, slips, parking spaces or other access features will be added by this project?**

None.

**7. Are fees charged for the use of this project?** No ☒ Yes ☐ \*\*

**\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.**

**Please list all Environmental Resource Permits required for this project:**

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	No		
DEP	no		
ACOE	no		
COUNTY / CITY			

## ATTACHMENT E-4

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

DIRECTIONS: All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	Sisters Creek Lighting/ Phase 2
<b>Applicant:</b>	City of Jacksonville

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**1) PRIORITY LIST:**

- a) **Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

~~Priority # 12 — Public waterfront parks, boardwalks and associated improvements~~

Priority 7. Development of public Boat ramp

- b) **Explain how the project fits this priority category.**

The project consists of safety lighting improvements to this popular public boat ramp which is open 24 hrs. a day at the request of the boating, fishing and shrimping users. This park also has a pier to fish and shrimp from.

*(For reviewer only)*

Max. Available Score for application    47

Question 1. Range of Score    (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

This lighting project will increase recreational boater's access to the St. Johns River and subsequently the ICW by allowing night time use of the facility. It also provides increase usage of the fishing/shrimping areas for the non-boating public.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The lighting project improves access to the county waterways by allowing recreational boaters, fishermen, and shrimpers 24 hours a day access to local waterways.

*(For reviewer only)*  
*(1-6 points)*

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**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The boating and fishing community petitioned the Parks Department for more access to public waterfront parks and ramps. Eight boat ramps were chosen to open 24 hours a day based on ramp usage and shoreline amenities. This is one of those identified sites.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

Better lighting at this park will provide additional safety for boaters, fishermen, and shrimpers in the late evening and early hours. In addition, lighting will increase ease of use when launching or retrieving boats at those times. Residents from Nassau County can come down A1A for easy access to Jim King Park/Sisters Creek.

- c) Are there any restrictions placed on commercial access or use of this site?**

Commercial use without a permit is prohibited at this site; however, professional fishermen, guides, etc. are allowed to use the ramp for launching as long as no business transactions take place onsite.

*(For reviewer only)*  
*(1-8 points)*

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#### 4) TIMELINESS

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

Design is complete and half of the lighting project has already been installed. Funding is just needed to finish this project.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

None anticipated.

*(For reviewer only)*  
*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Jacksonville, Capital Improvement Budget for 2017-2018. This will be a 50% match of the project costs.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

There are no known cost increases due to the materials utilized or any know site conditions.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

The contractor who installed the first half of the lighting will be encouraged to bid on the second phase since he is already familiar with the plans, materials and site.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees for the use of this park.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes. The boating and fishing community has been the force behind getting the City of Jacksonville to open boat ramps for 24 hours.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

This project will be maintained by the City of Jacksonville's Parks and Recreation Department.

- c) Will the program result in significant and lasting benefits? Explain.**

Yes. The recreation boating and fishing community has significantly benefited by having 24 hours a day access to local waterways especially during the shrimping season and the many different fishing seasons.

- d) Please describe any environmental benefits associated with this project.**

Shielding for the lights will be installed to decrease environmental impacts on the Timucuan Preserve, which is directly north of the fishing pier.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

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**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

Environmental permits are not required since this project is upland construction.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

This is a Phase 2 project estimated at \$220,000.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

No impediments have been identified and no impediments are expected.

*(For reviewer only)  
(1-4 points)*



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**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Design is complete.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

Shielding for the lights will be installed to decrease environmental impacts on the Timucuan Preserve, which is directly north of the fishing pier. In addition, LED lights will be used to help reduce the cost of electrical bills.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

The City will use standard marine environment quality materials and electrical equipment. All work will be done to city park design standards and State of Florida Building Electrical Code.

- b) How are the utilized construction techniques appropriate for the project site?**

Usages of marine environment construction materials are appropriate for these projects.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

While not unusual, LED lights will be used to help reduce the cost of electrical bills.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Concrete light poles, light fixtures and arms, electrical service meter, conduit and wiring, and some decorative fixtures to match existing lights.

- b) Identify any unique construction materials that may significantly alter the project costs.**

The decorative light fixtures may cost more than the basic light pole but it is not expected to be a significant cost increase.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

## ATTACHMENT E-5

# FLORIDA INLAND NAVIGATION DISTRICT ASSISTANCE PROGRAM 2017

## PROJECT COST ESTIMATE

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

<b>Project Title:</b>	Sisters Creek Lighting/ Phase 2
<b>Applicant:</b>	City of Jacksonville

[illegible]

<b>**TOTALS =</b>	\$ 220,000	\$ 110,000	\$ 110,000
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**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	Sisters Creek Lighting/ Phase 2
<b>Applicant:</b>	City of Jacksonville

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Grants received      October 2017

Grants executed      January 2018

Bid and Award contract      March 2018

Contract Execution      May 2018

Construction Start      June 2018

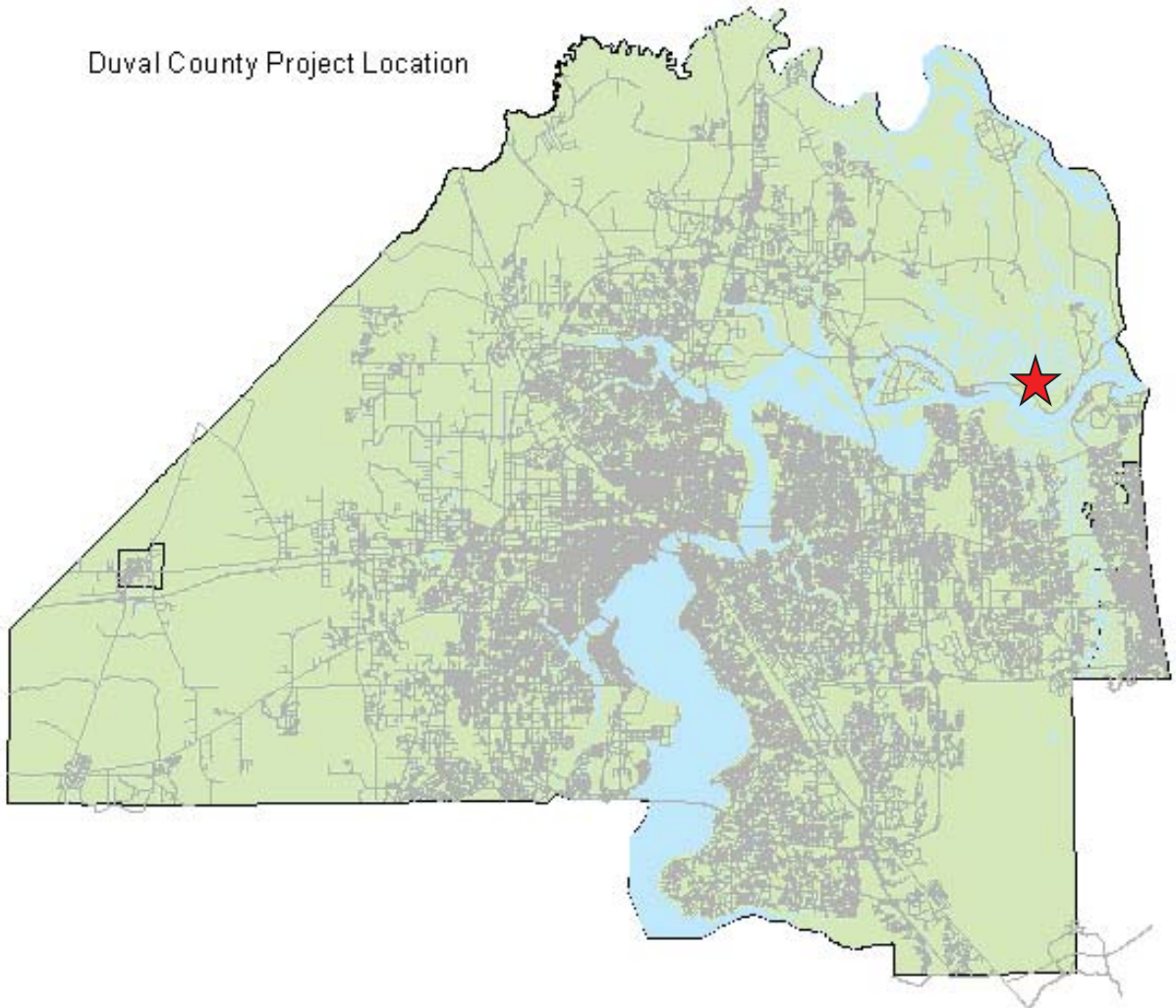
Project completed      November 2018

Grant Close out      December 2018

# EXHIBIT 1: COUNTY LOCATION MAP



Duval County Project Location

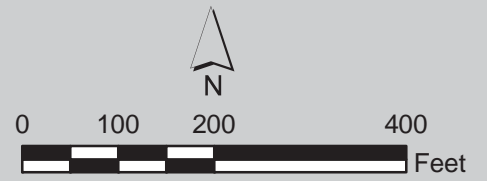


## SISTERS CREEK LIGHTING



Item 10.37  
**Jim King Park and Boat  
Ramp at Sisters Creek**

8203 Heckscher Drive





## Exhibit 4: Site Development Plan

Phase 1 is shown as "Base Bid Area" which was completed as part of 2013 FIND project DU-JA-13-130

Phase 2 is labelled "Bid Alternate 2 Area" which will complete this lighting project at this popular, 24hr. ramp



## ATTACHMENT E-2

**WATERWAYS ASSISTANCE PROGRAM FY 2017  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY**

APPLICANT INFORMATION			
<b>Applicant:</b>	City of Jacksonville		
<b>Department:</b>	Parks, Recreation and Community Services		
<b>Project Title:</b>	St. Johns Marina Ramp/ Phase 1		
<b>Project Director:</b>	Daryl Joseph	<b>Title:</b>	Director
<b>Project Liaison:</b> <i>(if different from Project Director)</i>	Brian Burket	<b>Title:</b>	Natural Resource Rec. Spec.
<b>Mailing Address:</b>	214 N. Hogan St, 4th Floor, Room 439		
<b>City:</b>	Jacksonville	<b>Zip Code:</b>	32202
<b>Email Address:</b>	BBurket@coj.net	<b>Phone #:</b>	904-255-7935
<b>Project Address:</b>	901 Museum Circle, Jacksonville, FL 32207		

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

SIGNATURE: \_\_\_\_\_ DATE: 3/27/17

**PROJECT NARRATIVE** (Please summarize the project in space provided below in 2 paragraphs or less.)

St. Johns Marina Boat Ramp is the only boat ramp in downtown Jacksonville. The ramp currently cannot support the launching of larger boats due to a combination of short ramp length and siltation at the toe of the ramp. This Phase 1 project will design a long-term solution for improving the ramp to accommodate the launching boats of all trailerable sizes. This may include some localized dredging and modifications to reduce future siltation.



## ATTACHMENT E-3 - PROJECT INFORMATION 2017

<b>Applicant:</b>	City of Jacksonville	<b>Project Title:</b>	St. Johns Marina Ramp/ Phase 1
<b>Total Project Cost: \$</b>	100,000	<b>FIND Funding Requested: \$</b>	50,000
<b>% of Total Cost:</b>	50		
<b>Amount and Source of Applicant's Matching Funds:</b>	The City will match with \$50,000 from the Capital Improvement Budget for FY 2017-2018.		

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☐

2. If leased or other, please describe lease or terms and conditions:

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒

4. If yes, please list:

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):

2 ramp lanes, 15 trailer parking spaces, 2 floating docks

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

ramp extension to accommodate larger boats

7. Are fees charged for the use of this project? No ☒ Yes ☐ \*\*

\*\*If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Recieved
WMD	yes		
DEP	yes		
ACOE	yes		
COUNTY / CITY			

**ATTACHMENT E-4****WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**DIRECTIONS:** All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

**\*\*Please keep your answers brief and do not change the pagination of Attachment E-4 \*\***

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

<b>Project Title:</b>	St. Johns Marina Ramp/ Phase 1
<b>Applicant:</b>	City of Jacksonville

**1) PRIORITY LIST:**

- a) Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Priority # 7 Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities;

- b) Explain how the project fits this priority category.**

The project will improve the existing boat ramp to enable larger vessels to use.

*(For reviewer only)*

Max. Available Score for application 47

Question 1. Range of Score (1 to 5 points)

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**2) WATERWAY RELATIONSHIP:**

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

St. Johns Marina Boat Ramp is located on the St. Johns River which is connected to the ICW.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

St. Johns Marina Boat Ramp is the only boat launch located in downtown Jacksonville. Enhancements to this ramp improves access to the ICW.

*(For reviewer only)*  
*(1-6 points)*

---

**3) PUBLIC USAGE & BENEFITS:**

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The St. Johns Marina Boat Ramp is popular for those wanting to explore downtown and the vicinity, especially during waterfront special events. This project was requested by the City Council person per interest from the community.

- b) Discuss the regional and local public benefits that will be provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The proposed improvements to the ramp would enable larger vessels to be able to use and improve access by all other sized boats. The ramp is easily accessed in downtown Jacksonville via Interstate 10 and 95 by residents from the region.

- c) Are there any restrictions placed on commercial access or use of this site?**

Commercial use without a permit is prohibited at this site; however, professional fishermen, guides, etc. are allowed to use the ramp for launching as long as no business transactions take place onsite.

*(For reviewer only)*  
*(1-8 points)*

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**4) TIMELINESS**

- a) Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

This is a Phase 1 design project. The city anticipates two years to receive the required permits and complete the design.

- b) Briefly explain any unique aspects of this project that could influence the project timeline.**

None anticipated at this time.

*(For reviewer only)*  
*(1-3 points)*

---

**5) COSTS & EFFICIENCY:**

- a) List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

City of Jacksonville, Capital Improvement Budget for 2017-2018. This will be a 50% match of the project costs.

- b) Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

The currents in the river are strong in this area that could influence the design and thereby the associated construction costs.

- c) Describe any methods to be utilized to increase the cost efficiency of this project.**

The project will utilize the existing fixed piers, gangways and floating docks to the extent possible which will increase cost efficiency.

- d) If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

There are no fees associated with the use of this facility.

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Yes, the project was identified as a need by the community in order to provide a functional ramp for vessels of all trailerable sizes.

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

This project will be maintained by the City of Jacksonville's Parks and Recreation Department.

- c) Will the program result in significant and lasting benefits? Explain.**

Yes, the project will result in significant and lasting benefits for boaters by improving a ramp that is currently only usable by smaller vessels. Upon completion, boats of all trailerable sizes should be able to use this ramp. This is the only boat ramp in downtown Jacksonville.

- d) Please describe any environmental benefits associated with this project.**

No known environmental benefits have been identified.

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

**7) PERMITTING:**

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)  
If permits are NOT required, explain why not.**

This is a Phase 1 design project. Permits will be applied when design reaches 60%.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.**

The project will involve conducting surveys, geotech work, modeling, and development of a 60% design to submit for review by the permitting agencies. Phase 2 is anticipated to cost around \$250,000.

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

If National Marine Fisheries elects to conduct full review of this permit request, this could delay the project.

*(For reviewer only)  
(1-4 points)*



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**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

This is a Phase 1 project. A generic concept is included in Exhibit 4. The design team will need to evaluate and recommend the best approach to improve the ramp for lasting benefits.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

The project will utilize the existing fixed piers, gangways, and floating docks to the extent possible. Ultimately, the ramp will be extended which will make launching functional for larger vessels.

*(For reviewer only)*  
*(1-2 points)*

---

**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

All construction techniques for this project will be at or exceed industry standards. The existing ramp will be extended with wheel stop added at the end. The project may also include a localized dredge component and potential modifications to minimize future siltation at the ramp area. These details will be determined during design process.

- b) How are the utilized construction techniques appropriate for the project site?**

All construction materials will be at or above industry standards for this project and considered appropriate for the site. The awarded contractor must comply with all State and Federal laws, regulations, and codes applicable to the work as well as those of the City of Jacksonville. This includes, but is not limited to, the protection of all trees and placement of silt fences to prevent materials from dispensing into public waterways.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

None identified at this time.

*(For reviewer only)*  
*(1-3 points)*

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**10) CONSTRUCTION MATERIALS:**

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?**

Materials to be used include concrete ramp extension with wheel stop at the end. The typical design life is expected to be 20-25 years.

- b) Identify any unique construction materials that may significantly alter the project costs.**

None identified at this time.

*(For reviewer only)*  
*(1-3 points)*

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**RATING POINT  
TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)





**ATTACHMENT E-6  
WATERWAYS ASSISTANCE PROGRAM 2017**

**PROJECT TIMELINE**

<b>Project Title:</b>	St. Johns Marina Ramp/ Phase 1
<b>Applicant:</b>	City of Jacksonville

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

**NOTE: All funded activities must begin AFTER October 1<sup>st</sup>**  
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

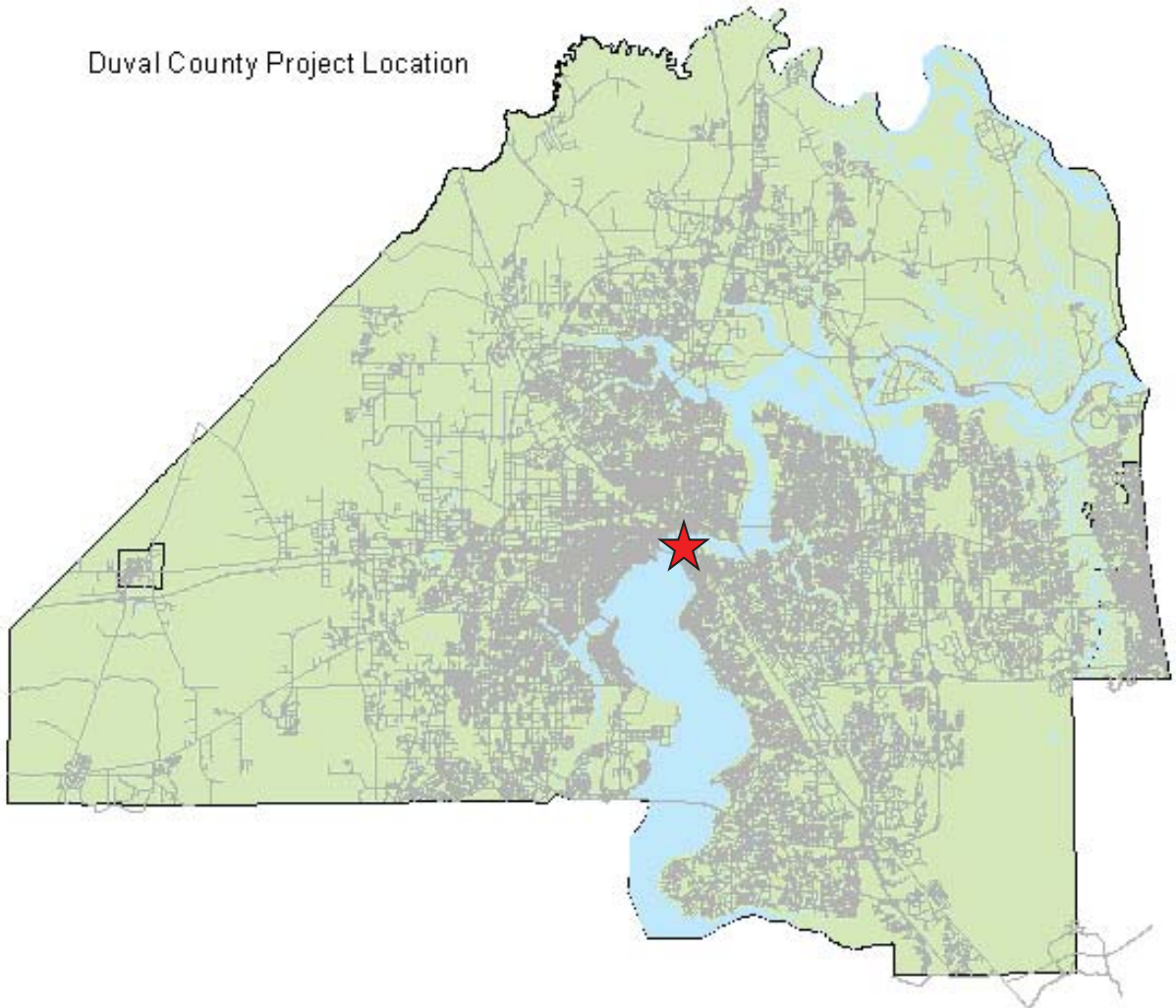
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Grants received	October 2017
Grants executed	January 2018
Award Design contract	March 2018
Design Start	April 2018
Permits received	December 2018
Final plans received	March 2019
Grant Close out	April 2019

# EXHIBIT 1: COUNTY LOCATION MAP



Duval County Project Location



ST. JOHNS MARINA  
BOAT RAMP





**St. Johns Marina  
Boat Ramp**



0 30 60 120  
Feet

723



Extend Ramp,  
Add Wheel Stop,  
& Dredge

## St. Johns Marina Boat Ramp



0 30 60 120  
Feet

724