PRELIMINARY AGENDA
FLORIDA INLAND NAVIGATION DISTRICT
Board of Commissioners Meeting
8:15 AM, Saturday, June 22, 2024
Hilton Garden Inn Cocoa Beach Oceanfront
2080 North Atlantic Avenue
Cocoa Beach, FL 32931

ITEM 1-B. **8:15 AM** **Reconvene/Call to Order**
Chair Crowley will call the meeting to order.

ITEM 2-B. **Pledge of Allegiance -** Chair Crowley will lead the Pledge of Allegiance.

ITEM 3-B. **Roll Call** - Secretary Davenport will call the roll.

ITEM 4-B. **Additions or Deletions**
Any additions or deletions to the meeting agenda will be announced.
Recommend : Approval of Final Agenda.

ITEM 10. (cont.) **Presentation of WAP Applications (cont.)** (Items 10.45 thru 10.65)

BREVARD				
ITEM 10.45	8:20 AM	City of Cocoa Beach	Bicentennial Park Project Ph 2	pgs 5-20
MIAMI-DADE				
ITEM 10.46	8:30 AM	City of Miami	Marine Stadium Marina Boat Rack Structures	pgs 21-37
ITEM 10.47	8:40 AM	City of Miami	Marine Stadium Marina Fuel Tank Replacement	pgs 38-53
ITEM 10.48	8:50 AM	City of Miami	Marine Stadium Marina Docks and Pilings Ph I	pgs 54-68
ITEM 10.49	9:00 AM	City of Miami	Shuttle Boat Watson Island Mooring Field	pgs 69-85
ITEM 10.50	9:10 AM	City of Miami	Derelict Vessel Removal	pgs 86-104
ITEM 10.51	9:20 AM	City of Miami	Miami Police Boat Engines Replacement	pgs 105-120
ITEM 10.52	9:30 AM	City of Miami	Morningside Park Shoreline & Trails Ph II Part 2	pgs 121-140
ITEM 10.53	9:40 AM	Miami Dade County	Herbert Hoover Marina Fire Suppression Ph II	pgs 141-161
ITEM 10.54	9:50 AM	Bal Harbour Village	Village Jetty and Cutwalk Segment B	pgs 162-175
ITEM 10.55	10:00 AM	City of Coral Gables	Coral Gables Marine Patrol Vessel	pgs 176-191
ITEM 10.56	10:10 AM	City of Miami Beach	South Bay Club Baywalk Design Ph I	pgs 192-209
	10:20 AM	**BREAK**		
BROWARD				
ITEM 10.57	10:30 AM	City of Fort Lauderdale	Riverwalk North Seawall Replacement	pgs 210-221
ITEM 10.58	10:40 AM	City of Fort Lauderdale	Riverland Woods Boat Ramp Renovation Ph I	pgs 222-235
ITEM 10.59	10:50 AM	City of Oakland Park	Dewey Hawkins Boat Ramp Ph II	pgs 236-252
ITEM 10.60	11:00 AM	Broward County	West Lake Park Aquarium Replacement Ph I	pgs 253-272
ITEM 10.61	11:10 AM	Broward County	Deerfield Island Park Ferry Boat	pgs 273-288
ITEM 10.62	11:20 AM	City of Dania Beach	Griffin Marine Park Ramp & Dock Replace Ph I	pgs 289-304
ITEM 10.63	11:30 AM	City of Deerfield Beach	Sawgrass to Seagrass Center at Sullivan Park	pgs 305-322
ITEM 10.64	11:40 AM	City of Hollywood	Hollywood Marine Fuel Pier Ph I	pgs 323-350
ITEM 10.65	11:50 AM	City of Pompano Beach	Hillsboro Inlet Bulkhead & Dock Improvements	pgs 351-377

ITEM 11-B. **Public Comments**

(Public Comment may occur up to an hour earlier than time stated if presentations finish ahead of schedule)

Public comment is limited to 3 minutes per speaker. The public is invited to provide comments on issues that are on today's agenda. All comments regarding a specific agenda item will be considered at the end of the day following the grant applicant presentations. Please note: Individuals who have comments concerning a specific agenda item should fill out a speaker card and communicate with staff.

ITEM 12. **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 a recommendation to the full Board of the financial statements for April 2024.

ITEM 13. **Washington D.C. Report.**

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

ITEM 14. **Staff Comments**

ITEM 15. **Commissioner Comments**

ITEM 16. **Adjournment**

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Cocoa Beach			
Department: Public Works Department			
Project Title: Bicentennial Park Project Phase 2			
Project Director: Scott Maxim		**Title:**	Project Manager
Project Liaison: *(if different from Director)*	Ander Hanson	**Title:**	Senior Accountant
Mailing Address:	1600 Minutemen Causeway		
City: Cocoa Beach		**Zip Code:**	32931
Email Address: ander.hanson@cityofcocoabeach.com		**Phone #:**	321-868-3229
Project Address:	State Road Route 520, Cocoa Beach, Fl		

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

SIGNATURE: _____ DATE: 3-25-24

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

This project consists of the renovation of Bicentennial Park. The park is located on SR 520 diagonally across from Cape Canaveral Hospital. The park has one of only three public boat ramps in the City of Cocoa Beach. It is heavily used by locals, tourists, and commercial boaters. The park has fallen into disrepair and a total renovation is needed. This project will consist of a new public boat ramp, parking facilities for boat trailer traffic, and restroom facilities.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3
PROJECT INFORMATION
WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Cocoa Beach	**Project Title:** Bicentennial Park Project Phase 2	
Total Project Cost: $ 3,300,000	**FIND Funding Requested:** $ 750,000	**% of Total Cost:** 22.73%
Amount of Applicant's Matching Funds:	$2,550,000	
Source of Applicant's Matching Funds:	$1,250,000 State Appropriations $1,300,000 American Rescue Plan Act funds	

1. **Ownership of Project Site (check one):** Own: ○ Leased: ○ Other: ◉
2. **If leased or other, please describe lease or terms and conditions:**

Interlocal agreement between Florida Department of Transportation and the City of Cocoa Beach for Construction, Operation, and Maintenance of a Wayside Park know as Bicentennial Park along State Road 520 (see attached)

3. **Has the District previously provided assistance funding to this project or site?** Yes ◉ No: ☐ ○
4. **If yes, please list:**

Project Agreement BV-CB-22-155 gave the city $125,000 for Phase 1 of the Bicentennial Park 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):

The park has one public boat ramp with one wooden finger pier on the East with the West side of the ramp being destroyed in hurricane Irma. The park is currently in such disrepair that the boat trailer parking is uncontrolled due to pavement stripping being eroded away. The park renovation will include a minimum of eleven (11) boat trailer parking spaces

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

The renovation will include two new wooden docks on the East and West side of the new boat ramp. The park renovation will also include a minimum of eleven (11) designated boat trailer 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	12/29/2023	N/A
DEP	Yes	2/23/2024	N/A
ACOE	Yes	N/A	N/A

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Bicentennial Park Project Phase 2
Applicant:	City of Cocoa 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.)

6. Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities.

~~7. Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities.~~

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

The purpose of this project is to improve safe and easy access to the ICW and waterways of the State for the general boating public. The project will include a new public boat ramp, two new docks on either side of the ramp, improved parking for boat trailers, and restroom facilities for the boating public.

(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 City of Cocoa Beach has six public connecting channels that direct and guide boaters to and from the AIW. These channels are connected to the ICW through the Banana River at the Barge Canal in the North and Dragon Point Merrit Island. The City currently has three public boat ramps that allow access to the ICW. This project will improve the usage and safety of one of these public access boat ramps to the ICW

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

Considering the limited number of public access points to the ICW, this project greatly improves and attracts boaters to the use of the ICW.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

The City only has three public boat ramps to facilitate access to the ICW. This renovation will create a safe and reliable way to use the ICW. This project greatly increases ease of use by the public. This facility is 100% general public usage.

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

The City has a large boating community that relies on the water or use our public boat ramps to access the ICW. Other communities also use our public boat ramps on a regular basis. This is highly encouraged by the City. This project will greatly improve ease of access and safety of anyone who wishes to use the boat ramp and park.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

There are no restrictions placed on this site. There are navigational channels that may have speed zones due to proximity to residential properties. Our public boat ramps, channels and navigational aids are used by everyone including commercial companies and private watercraft.

(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 design for this project is currently at 90%.
The project is projected to be completed on 9/30/2025.

b) **Briefly explain any unique aspects of this project that could influence the 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 including any cash match or matching grant funds.**

$1,250,000 through state appropriations for construction
$1,300,000 through ARPA funding for construction

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

N/A

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

There are no fees for use & City is unaware of any fee charged by similar facilities in the area

d) If there are any fees, please explain where these fees go and what they are used for. 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) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

The park has fallen into a state of disrepair with major flooding and erosion that can become dangerous to anyone who uses it. This park fulfills the need of a public access boat launch that all persons; private, commercial, and even government, to quickly and safely access the intercoastal waterway. This facility cannot meet the demand for the waterways due to the damage done to it, and the danger of using it during inclement conditions.

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

The City has consistently dedicated resources funded from its budget to maintain all waterways facilities within its jurisdiction. The City' s Police department and a volunteer civic group (Citizens Patrol) routinely monitor the waterways facilities to ensure the safety of the community. The interlocal agreement with FDOT requires the City to maintain the Park.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?
Yes, the project is included in the City's strategic plan.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 permits have been applied for or in the process of application.

b) **If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.**

This project is the Phase II at a price estimate of $3.3 million.

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 design is at 90%

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 currently has three public boat ramps that allow access to the ICW. This project will improve the usage and safety of one of those public access boat ramps to the ICW. This project will allow easier and safer loading and unloading of vessels on the boat ramp. The project will also improve water quality by eliminating direct discharge of stormwater into the river.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) **Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.**

The park will elevate to correct the chronic flooding condition. This will be accomplished by adding fill material. An exfiltration field will also be added to control and filter stormwater prior to discharge into the Banana River.

b) **What is the design life of the proposed materials compared to other available materials?**

N/A

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The park and public boat ramp have been in existence for fifty years. Stormwater treatment has always been a challenge. Numerous improvements were made throughout the years including boat ramp rebuild, stormwater treatment, and finger pier replacements.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

The entire park is being elevated to address and combat sea level rise.

(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
PROJECT COST ESTIMATE
WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Bicentennial Park Project Phase 2
Applicant:	City of Cocoa Beach

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Construction Costs	**$1,087,571.00**	**$840,350**	**$247,200**
Storm Conveyance	**$213,711.00**	**$165,150**	**$48,500**
Structural	**$797,753.00**	**$616,400**	**$181,350**
Electrical	**$261,871.00**	**$202,350**	**$59,500**
Utilities	**$497,356.00**	**$384,300**	**$113,050**
Restoration	**$441,738.00**	**$341,350**	**$100,400**

**TOTALS =	$ 3,300,000	$ 2,550,000	$ 750,000

ATTACHMENT E-6

PROJECT TIMELINE

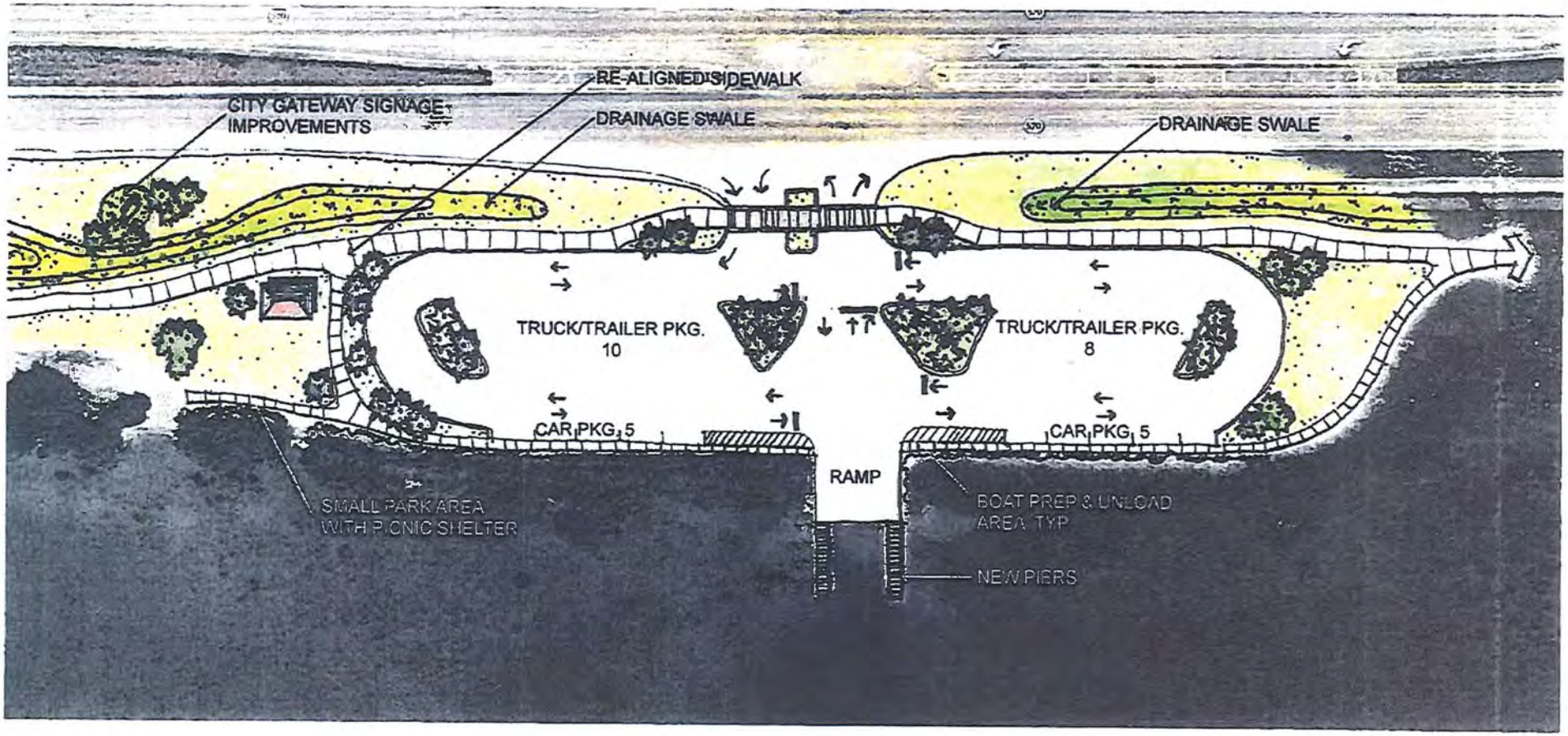
WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Bicentennial Park Project Phase 2
Applicant:	City of Cocoa 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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
7/1/2024	Advertise Bid
7/12/2024	Mandatory Bid Meeting
7/26/2024	Evaluate Bid Proposals
8/9/2024	Contract with Contractor
10/1/2024	Estimated Construction Start (Funded)
9/30/2025	Estimated Construction End (Funded)



CONSTITUTION BICENTENNIAL PARK IMPROVEMENTS

November 6, 2017

N

0 20 40 80 ft

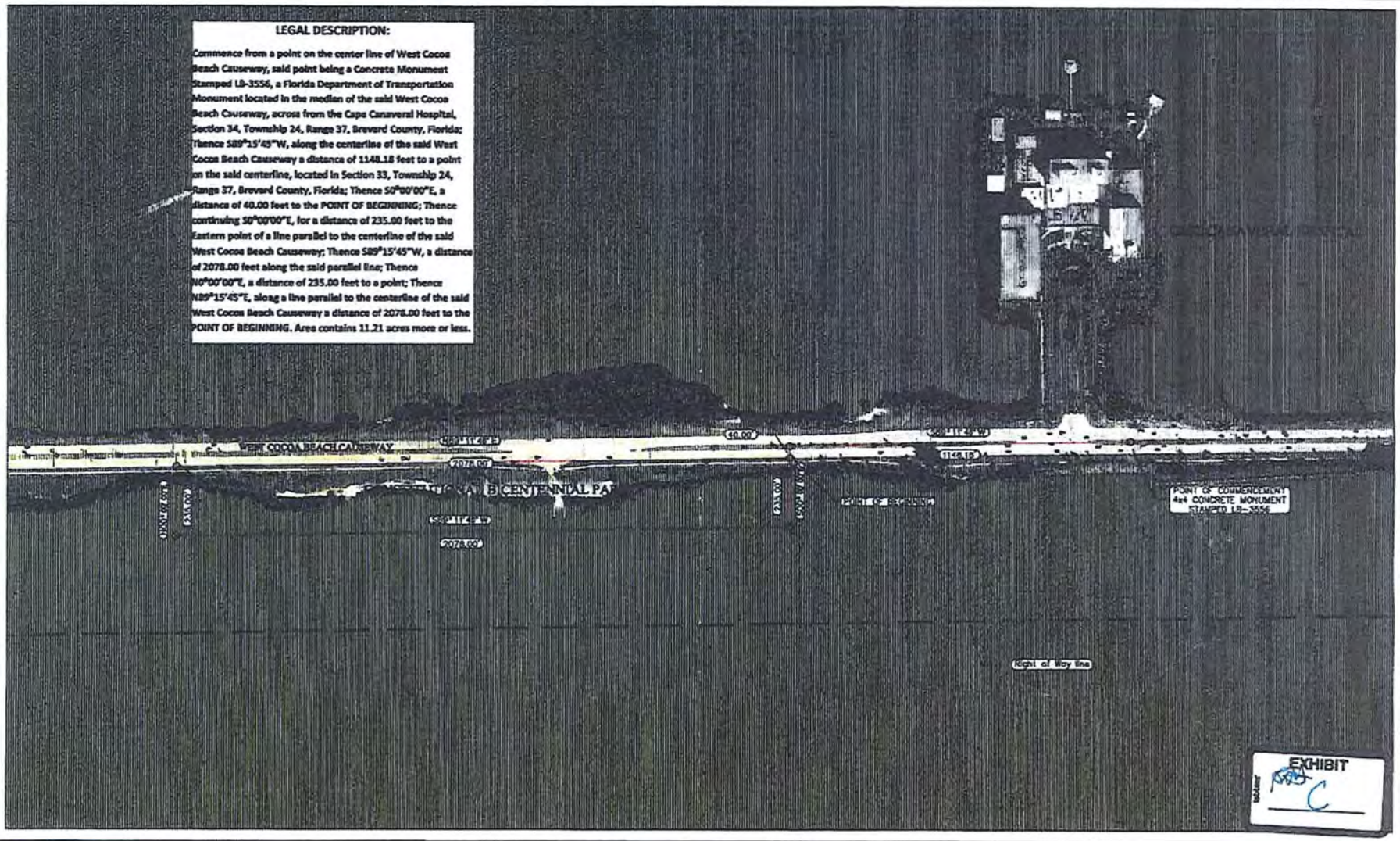
AECOM

EXHIBIT

B

LEGAL DESCRIPTION:

Commence from a point on the center line of West Cocoa Beach Causeway, said point being a Concrete Monument Stamped LB-3556, a Florida Department of Transportation Monument located in the median of the said West Cocoa Beach Causeway, across from the Cape Canaveral Hospital, Section 34, Township 24, Range 37, Brevard County, Florida; Thence S89°15'45"W, along the centerline of the said West Cocoa Beach Causeway a distance of 1148.18 feet to a point on the said centerline, located in Section 33, Township 24, Range 37, Brevard County, Florida; Thence S0°00'00"E, a distance of 40.00 feet to the POINT OF BEGINNING; Thence continuing S0°00'00"E, for a distance of 235.00 feet to the Eastern point of a line parallel to the centerline of the said West Cocoa Beach Causeway; Thence S89°15'45"W, a distance of 2078.00 feet along the said parallel line; Thence N0°00'00"E, a distance of 235.00 feet to a point; Thence N89°15'45"E, along a line parallel to the centerline of the said West Cocoa Beach Causeway a distance of 2078.00 feet to the POINT OF BEGINNING. Area contains 11.21 acres more or less.



REVISION			DESIGNED	PE	DATE	10/13/2016
NO.		DATE	DRAWN	PE	DATE	10/14/2016
			CHECKED		DATE	
			APPROVED		DATE	

ENGINEER OF RECORD: _____ Signature _____ Date

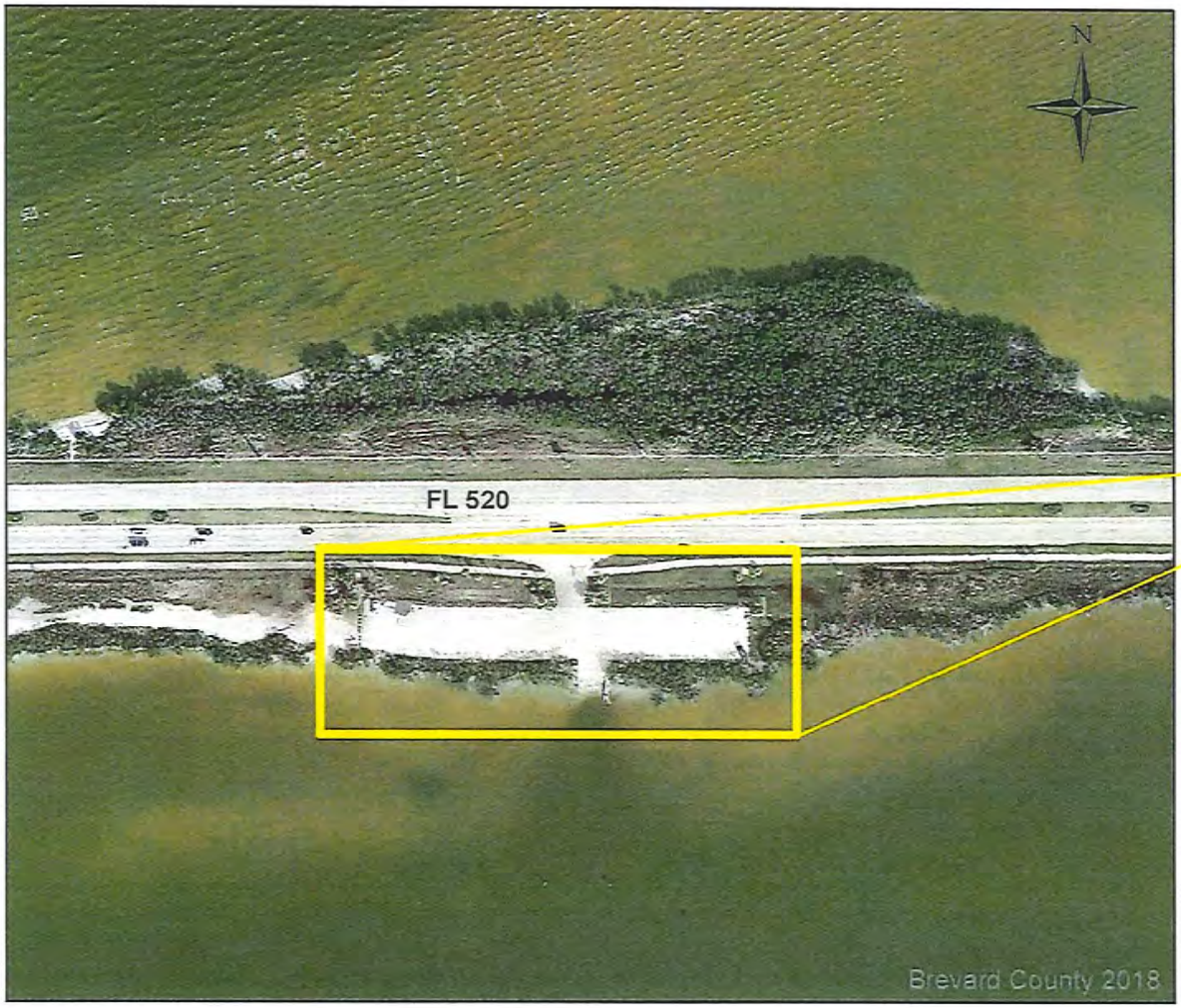
CITY ENGINEER
CITY OF COCOA BEACH
Public Works Department
1600 Minuteman Causeway
Cocoa Beach, Florida 32931
Tel. (321) 868-3219

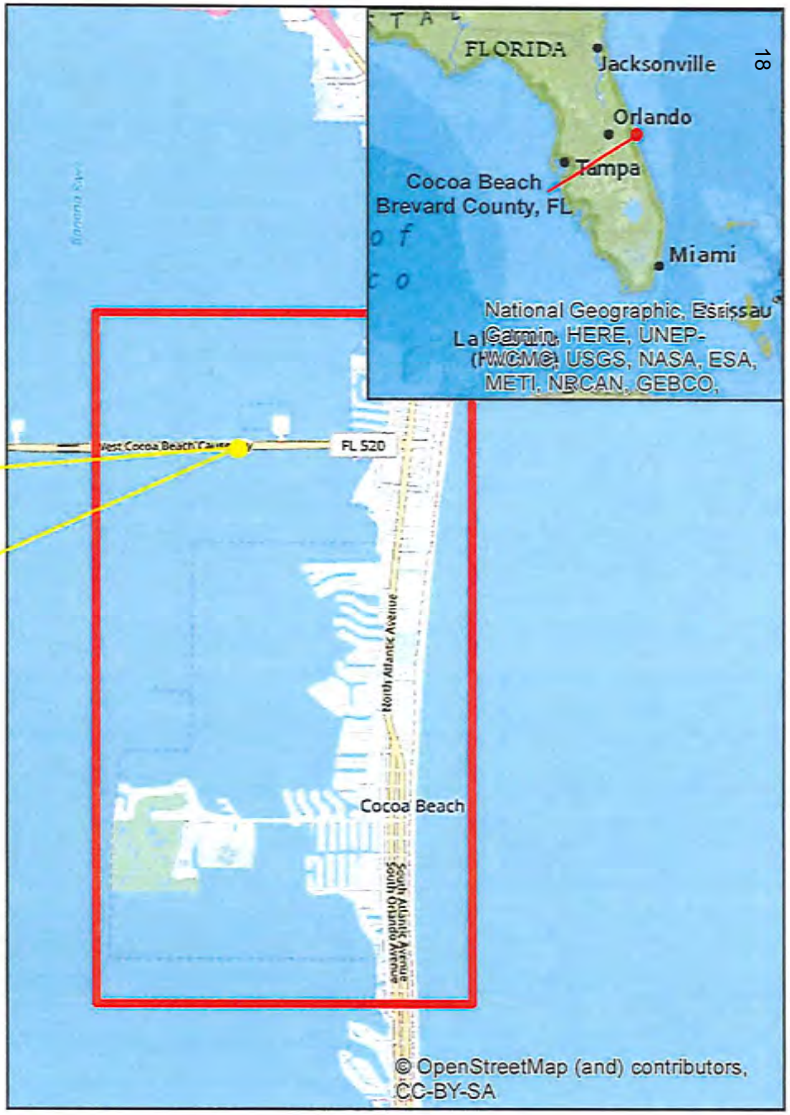
PROJECT:
CONSTITUTIONAL BICENTENNIAL PARK

LOCATION:
WEST COCOA BEACH CAUSEWAY (S.R. 520)

SCALE: NOT TO SCALE:
SHEET 1
OF 1
Project Code:

Map 1. Location Map & Project Boundary





Legend:
- Cocoa Beach City Limit
- Project Boundary: Bicentennial Park

Vicinity Map: Cocoa Beach, Brevard County, FL

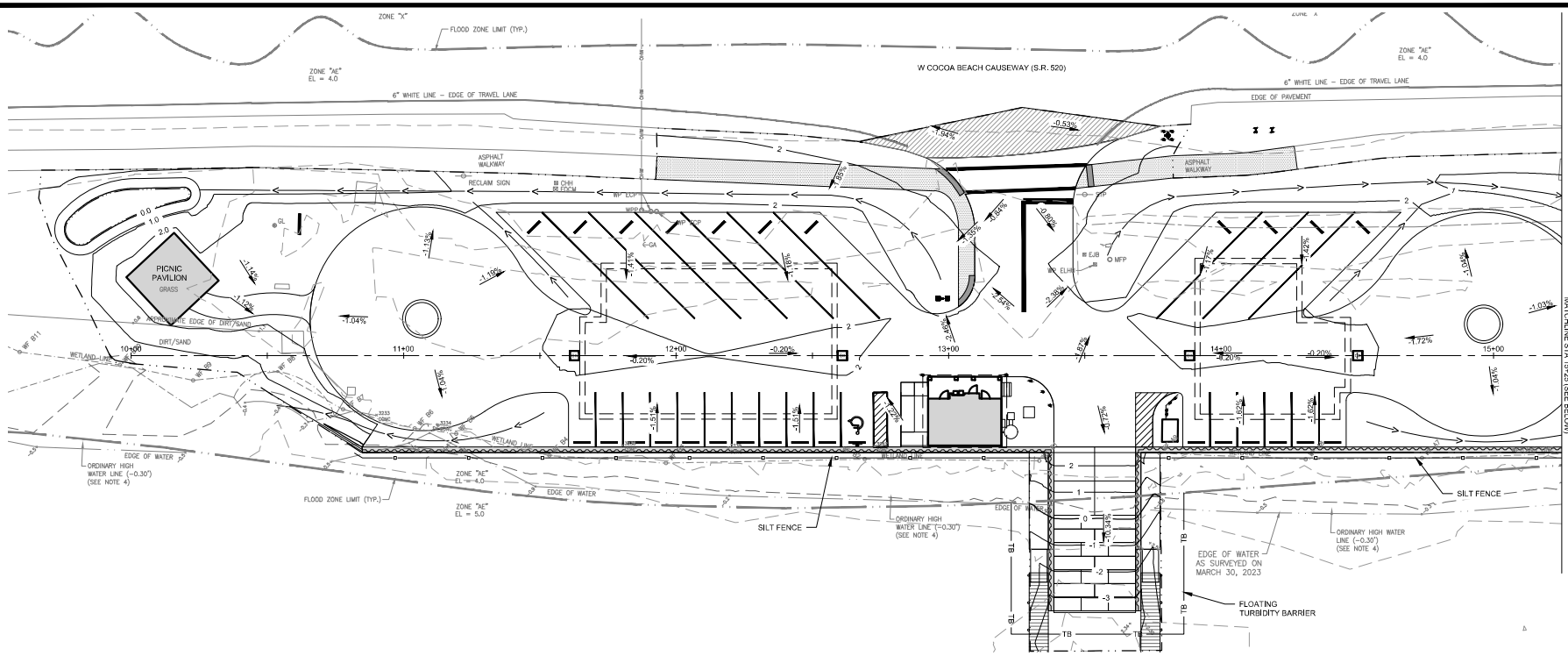
Section 17, Township 25, Range 37E 28 19 56.15"N 80 83 02.74"W

Project: Bicentennial Park
Public Boat Access

18

ITEM 10.45

Sheet: 1 of 1



Mead & Hunt

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CITY OF COCOA BEACH CONSTITUTION BICENTENNIAL PARK IMPROVEMENTS

W COCOA BEACH CAUSEWAY
COCOA BEACH, FL

ISSUED
10/2023 90% SUBMITTAL

NOT FOR CONSTRUCTION

M&H NO.	4505000-192724.01
DATE:	October 2023
DESIGNED BY:	EAS
DRAWN BY:	CAJ
CHECKED BY:	EV

DO NOT SCALE DRAWINGS

SHEET CONTENTS
EROSION AND SEDIMENT CONTROL PLAN

SHEET NO.
C-121

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Miami			
Department: Department of Real Estate and Asset Management (DREAM)			
Project Title: CONSTRUCTION OF 2 THREE BOAT RACK STRUCTURES AT MIAMI MARINE STADIUM MARINA			
Project Director: Donald Lutton		**Title:**	Marinas Manager
Project Liaison: *(if different from Director)*	Lillian P. Blondet	**Title:**	Director, Office of Grants Administration
Mailing Address:	444 SW 2nd Avenue, 5th Floor		
City: Miami		**Zip Code:**	33130
Email Address: lblondet@miamigov.com		**Phone #:**	305-416-1536
Project Address:	3501 Rickenbacker Causeway, Miami, FL 33149		

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

SIGNATURE: Lillian P. Blondet DATE: 3/29/2024

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

The City of Miami submits this Phase 2, construction application for the installation of 2, three dry rack structures at Miami Marine Stadium Marina. The new rack structures will replace ones that were removed several years ago for the Miami International Boat Show.

Miami Marine Stadium Marina is located in Virgina Key, an 863-acre barrier island in Miami, which is accessible from the mainland via the Rickenbacker Causeway. This area is adjacent to the Atlantic Intracoastal Waterway (AICW) and provides the public with direct access to Biscayne Bay. The marina currently has 250 dry racks/dry slips, but is permitted to have 318 for public use. Completion of this project will ensure the marina has the 318 permitted amount of dry slips for boaters, plus a few extra racks to store equipment or move around boats that are being repaired. Essentially, this project adds approximately 65-70 dry slips. This will increase the amount of docking facilities for boaters. .

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Miami	**Project Title:** CONSTRUCTION OF 2 THREE BOAT RACK STRUCTURES AT MIAMI MARINE STADIUM MARINA	
Total Project Cost: $ 758,740	**FIND Funding Requested: $** 379,370	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	$379,370	
Source of Applicant's Matching Funds:	The City of Miami is allocating matching funds in the amount of $379,370 or 50% of project costs, currently available via capital project 40-B70042.	

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:

2012- Marine Stadium Marina Seawall Replacement Ph. 2 ($800,000)
2015- Marine Stadium Baywalk Ph.2 ($500,000)
2016- Miami Marine Stadium In-Water Structural Assessment Ph. 1 ($250,000)

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):

250 dry racks; a public walkway and 10 floating docks---9 of them measure 40'x8' ft. each, and the larger L-shaped dock measures 40"x 8 ft and 20' x8 (L-shaped section)

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

This project will add 2, three-dry rack structures that can hold an additional 65-70 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 Received
WMD	No	Not applicable	N/A
DEP	No	Not applicable	N/A
ACOE	No	Not applicable	N/A

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	CONSTRUCTION OF 2 THREE BOAT RACK STRUCTURES AT MIAMI MARINE STADIUM MARINA
Applicant:	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.)

7. Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities.

b) Explain how the project fits this priority category.

This Phase 2 application addresses priority #7. The project involves installing dry slip structures that will increase the marina's public boat docking capacity.

(For reviewer only)
Max. Available Score for application 47

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

---

2) WATERWAY RELATIONSHIP:

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

The Marine Stadium Marina is located on Biscayne Bay, at 3501 Rickenbacker Cswy. adjacent to the AICW. This project relates to the District's mission to provide public docks and access to the waterways. The marina is located in Virginia Key and attracts thousands of people annually to enjoy their facilities.

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

The additional dry rack structures will increase the number of boaters who will be able to launch into Biscayne Bay and the nearby AICW from the Marina.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

The Marina is a full service 250 dry rack boat storage facility and is one of South Florida's largest dry storage facilities accommodating boats between 20 - 40 ft. in length. There is currently a 300 boater waiting list. This project will increase the Marina's capacity to 318 dry racks for public use and provide more boaters access to AICW waters. The Marina serves an estimated 40,000 boaters annually.

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

Once constructed, the project will increase public access to the AICW by providing 65-70 additional dry slips with the installation of 2, three-rack structures. The Marina's amenities, including the dry slips can be used by residents from City of Miami and neighboring counties in the District.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

The marina is a slow speed zone. No commercial access will be allowed. Only recreational boaters of motorized and non-motorized vessels will be able to utilize the floating docks. Vessels must be non-commercial, under 70 feet.

(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 design and planning for this project has been completed. The City of Miami anticipates it will take 18-24 months for installation of the project.

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

There are no unique aspects of the project that will influence the 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 including any cash match or matching grant funds.

Matching funds for this project are secured and available under capital project 40-B70042. The City is allocating matching funds of $379,370, equivalent to 50% of total 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 anticipated costs that may increase due to materials or site conditions.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

The marina charges fees for the dry rack storage facilities. The fees are reasonable and comparable to other marinas near the project location. Fee sheet is attached.

d) If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.

A "10% Set Aside" account receives 10% of all revenues collected annually and is restricted for use in the City's marinas. The 10% is earmarked for specific projects (e.g. vessel repairs, general maintenance, etc.). Funds will cover the maintenance of the 2, three-rack structures described in this application.

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

a) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

Miami Marine Stadium Marina is located in popular and historic Virginia Key. Virginia Key's proximity to Biscayne Bay, Atlantic Ocean and the AICW generates high levels of boaters traffic in that area. Virginia Key's local waters provide a wide variety of recreational uses for local and visiting boaters,such as the Virginia Key Outdoor Center and historic Virginia Key Beach. As one of South Florida's largest dry storage facilities, the marina's must increase its docking capacity to meet boater demand.

The Marina currently has waiting list of more than 300 people who want to use the dry slips. There is no other marina in the vicinity that has available dry rack storage. Since other similar facilities in the County also have waiting lists, this project fills an urgent need and will increase AICW access to other boaters.

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

This project will be maintained by DREAM's Marinas Division, which owns and operates over 1300 wet slips, dry racks and mooring buoys in the City of Miami. Funds from the 10% "Set Aside" account will cover the ongoing maintenance costs of the new three-rack structures.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

The Miami Marine Stadium Marina is part of the Virginia Key Implementation Plan, also known as the Virginia Key Master Plan. The plan proposes to develop Virginia Key as Miami's Eco-Friendly Destination Park, with planned infrastructure projects to maximize access and use of the waterfront.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 project does not require USACE, DEP and WMD permits, since all the work will be upland.

b) If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.

This is a Phase 2 project. The total project cost is $758,740.

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

No significant impediments have been identified at this time that would delay permitting.

(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 specifications for the scope of work have been completed. Structural and foundation engineering drawings are Florida State certified.

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 boat rack structures will be located upland. There will be no environmental impacts to the water or its natural habitats.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

This Phase 2 project involves the installation of 2, three-rack structures for dry dockage. The dry racks are made of structural steel, anchor bolts, concrete footers, adjustable brackets, and non-pressured treated timber. Brackets are hot dip galvanized. We do not anticipated any construction materials that will significantly alter the project costs.

b) What is the design life of the proposed materials compared to other available materials?

The useful life of dry rack structures is typically 25 years.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The project design will involve materials that are well-suited to South Florida weather conditions. Because this project will be upland, this will eliminate the need for dredging, minimizing negative impacts to water quality.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

Hard structures in or near the water can actually amplify the force of the waves that hit it. The boat racks will be located about 300 ft. from the water, eliminating any risk of the structures contributing to sea-level rise impacts.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	CONSTRUCTION OF 2 THREE BOAT RACK STRUCTURES AT MIAMI MARINE STADIUM MARINA
Applicant:	City of Miami

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
2 three boat rack structures; site preparation; and installation.	758,740.00	379,370.00	379,370.00
****TOTALS =**	**$ 758,740.00**	**$ 379,370.00**	**$ 379,370.00**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

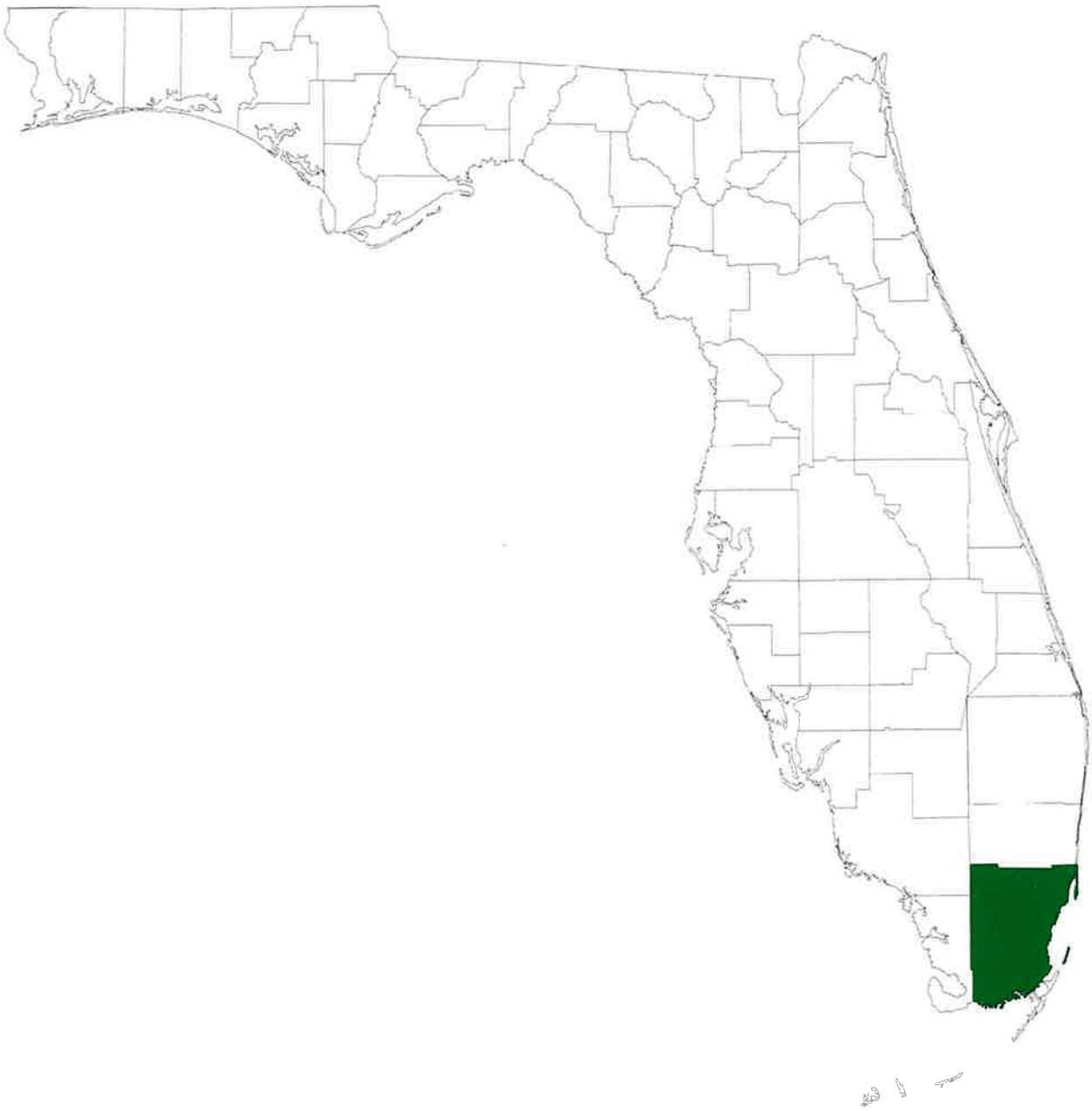
Project Title:	CONSTRUCTION OF 2 THREE BOAT RACK STRUCTURES AT MIAMI MARINE STADIUM MARINA
Applicant:	City of Miami

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

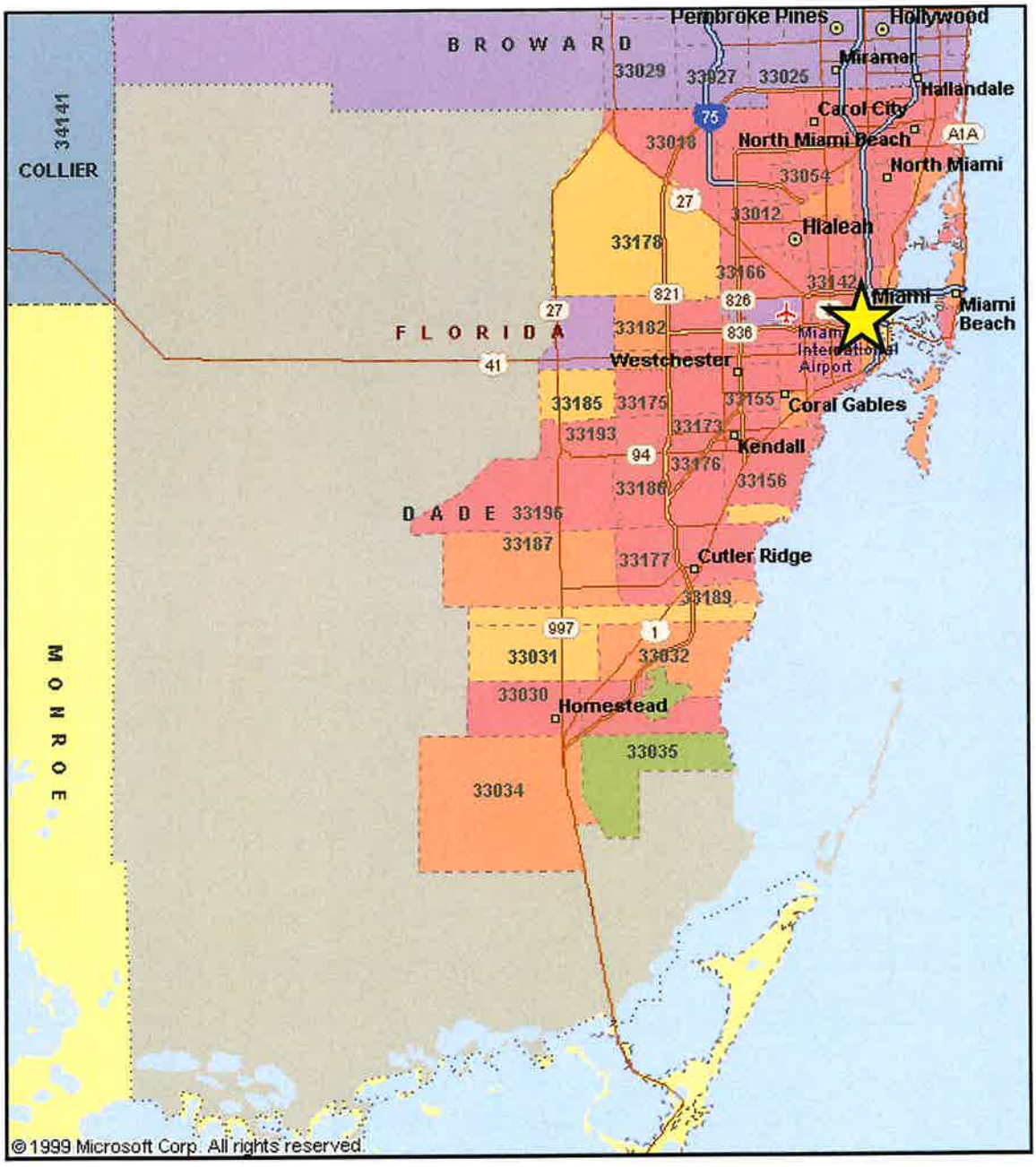
Date	Component
October 1, 2024 - March 31, 2025	Execute agreement and approve contractor's purchase order.
April 1, 2025 - September 30, 2026	Installation of 2, three rack structures.

10. County Location Map



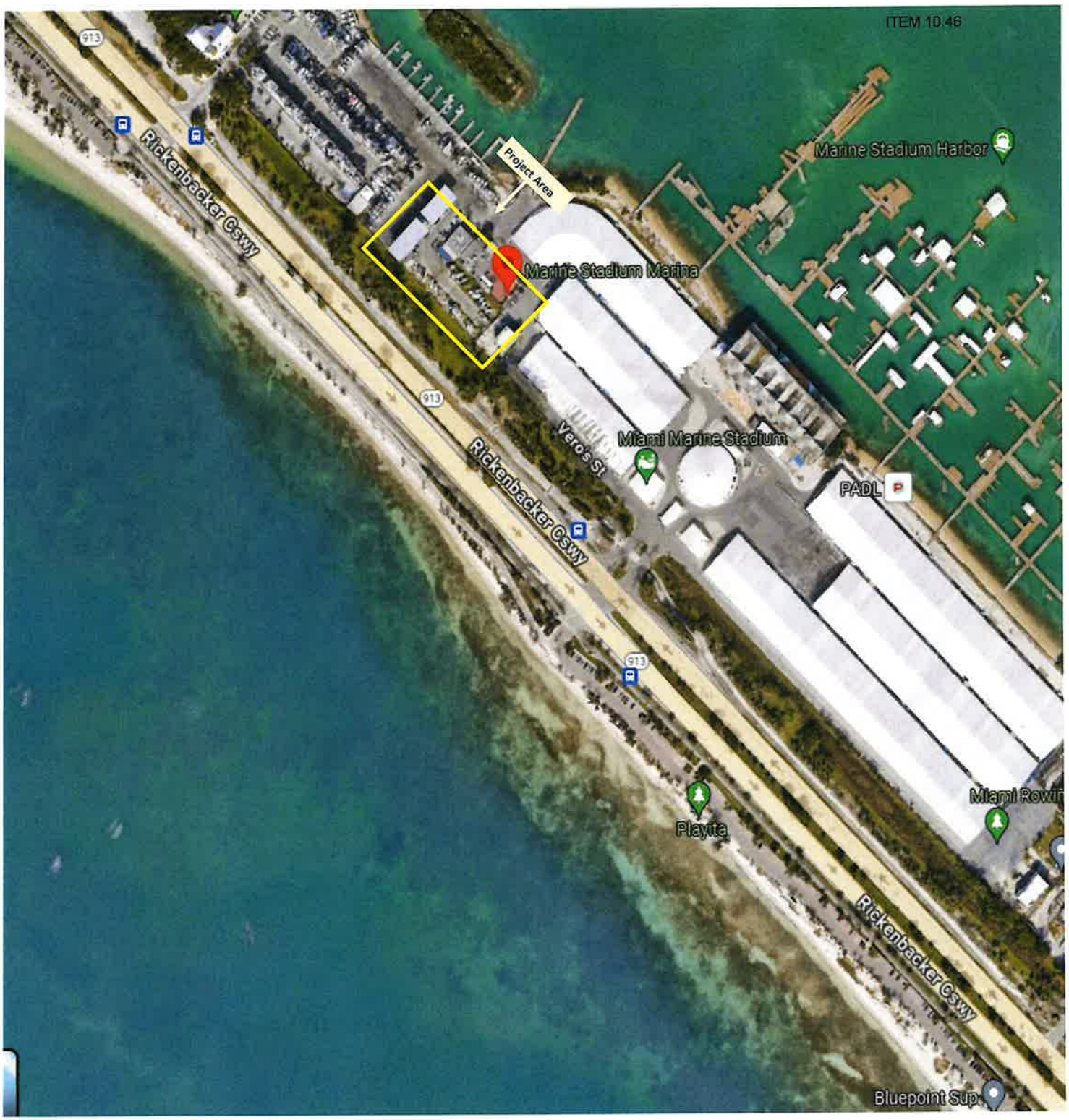
Locater Map of Miami-Dade County, 2008
Florida Center for Instructional Technology, (Tampa, FL: Florida Center for Instructional Technology, 2008)
Downloaded from *Maps ETC*, on the web at http://etc.usf.edu/maps [map #f8603]

10. City Location Map



Waterways Assistance Program

City of Miami



11. Project Boundary Map

City of Miami Application:

CONSTRUCTION OF 2 THREE BOAT RACK STRUCTURES AT MIAMI MARINE STADIUM MARINA



12. Site Map

City of Miami Application:

CONSTRUCTION OF 2 THREE BOAT RACK STRUCTURES AT MIAMI MARINE STADIUM MARINA

ROOF & RACK PRODUCTS LLC

CONSULTING, DESIGN, ENGINEERING, FABRICATION, CONSTRUCTION

7566 SOUTHLAND BLVD. · SUITE 100 · ORLANDO, FL 32809 · (561) 393-4757 · WWW.ROOFANDRACK.COM

THE FINEST BOAT STORAGE SOLUTIONS – SINCE 1978

SUBMITTED TO:

NAME: Mr. Juan Oporta

ADDRESS:

CITY, STATE:

ZIP, COUNTRY:

OFFICE #: 305.960.5140

MOBILE #:

DATE: OCTOBER 18, 2023

PROJECT: Marine Stadium Marina

ADDRESS: 3501 Rickenbacker Causeway

CITY, STATE: Key Biscayne, FL

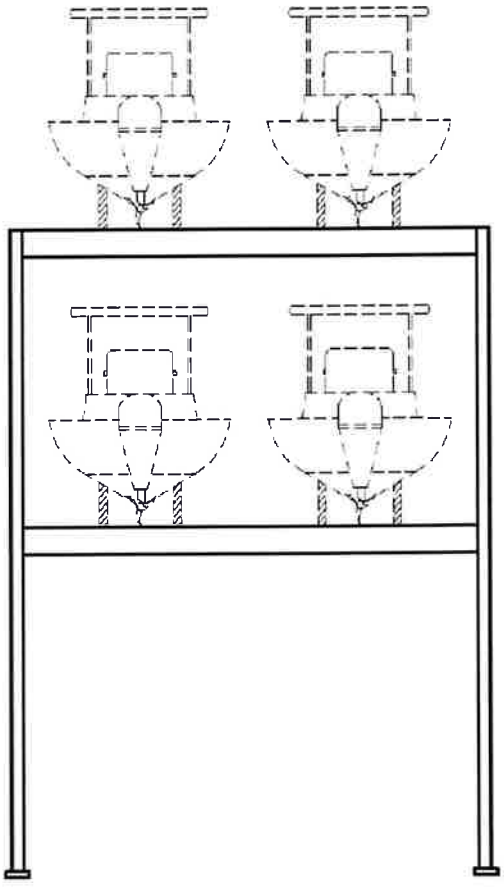
ZIP, COUNTRY: 33149

EMAIL: joporta@miamigov.com

FACSIMILE #:

We hereby submit specifications, prices, and contract as follows:

OUTDOOR ANGLED BOAT RACKS – UP TO (117) BOATS

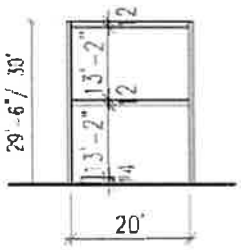


MARINE STADIUM MARINA

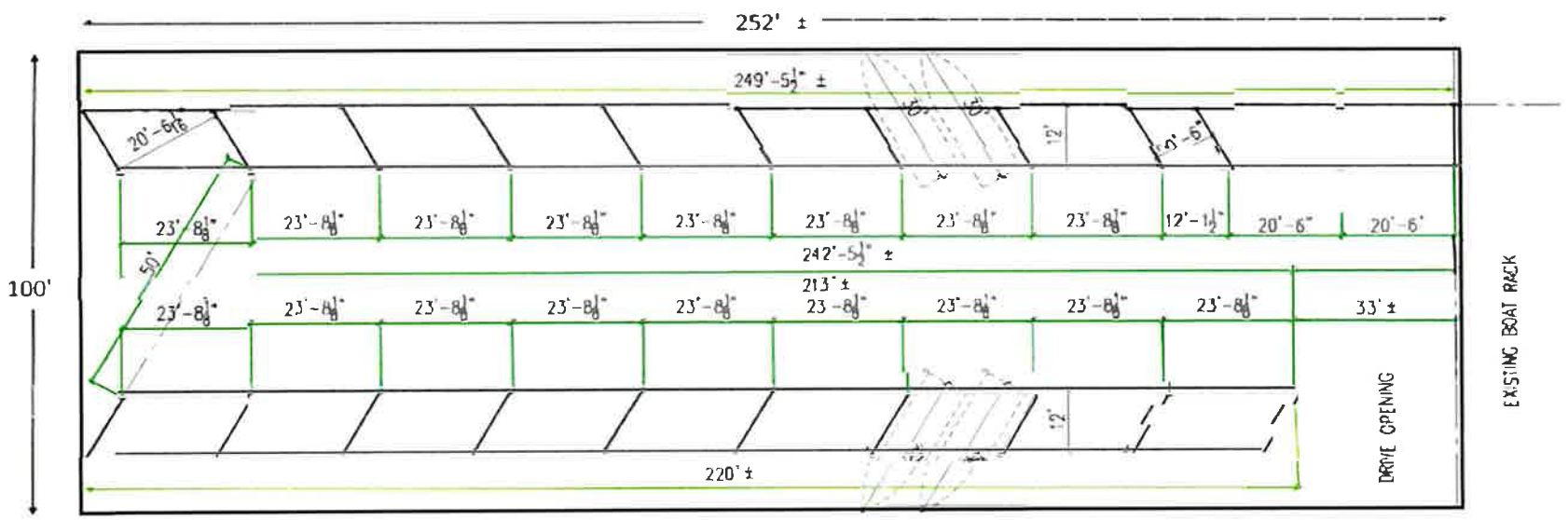
ALL DIMENSIONS TO BE VERIFIED BY OWNERS
ROOF & RACK PRODUCTS, LLC
10-09-2023

WARNING
THIS DRAWING CONTAINS PROPRIETARY CONFIDENTIAL DESIGN AND LAYOUT INFORMATION OF ROOF & RACK PRODUCTS, LLC IN CONSIDERATION OF THE OPPORTUNITY TO REVIEW THIS DRAWING, THE RECIPIENT UNDERSTANDS AND AGREES THAT ROOF & RACK PRODUCTS, LLC IS THE SOLE OWNER OF THIS DRAWING, INCLUDING BUT NOT LIMITED TO ANY COPYRIGHT, LAYOUT DESIGN, PATENT AND/OR TRADE SECRETS RIGHTS, AND THAT ANY UNAUTHORIZED USE, REPRODUCTION OR DISSEMINATION OF THIS INFORMATION WITHOUT EXPRESS WRITTEN CONSENT OF ROOF & RACK PRODUCTS, LLC IS STRICTLY PROHIBITED

ANGLED RACKS:
3-LEVEL: **117** BOATS



SOUTHWEST



NORTHEAST

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Miami			
Department: Department of Real Estate and Asset Management (DREAM)			
Project Title: Install New Fuel Tank at Miami Marine Stadium Marina			
Project Director: Donald Lutton		**Title:**	Marinas Manager
Project Liaison: *(if different from Director)*	Lillian P. Blondet	**Title:**	Director, Office of Grants Administration
Mailing Address:	444 SW 2nd Avenue, 5th Floor		
City: Miami		**Zip Code:**	33130
Email Address: lblondet@miamigov.com		**Phone #:**	305-416-1536
Project Address:	3501 Rickenbacker Causeway, Miami, FL 33149		

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

SIGNATURE: Lillian P. Blondet DATE: 3/29/2024

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

This project will install a new above ground fuel tank at Miami Marine Stadium Marina. This will replace an older fuel tank that was decommissioned in 2022 by the Division of Environmental Resources Management (DERM). The scope of work involves removal of the decommissioned fuel tank, installing a new 2,000 gallon double-wall fireguard steel tank with pump, valves, piping and decals.

Miami Marine Stadium Marina is located in Virgina Key, an 863-acre barrier island in Miami, which is accessible from the mainland via the Rickenbacker Causeway. This area is adjacent to the Atlantic Intracoastal Waterway (AICW) and provides the public with direct access to Biscayne Bay. The marina serves thousands of boaters annually. Up until 2022, the Marina had two fuel tanks, but is now down to one functioning tank. Fuel service is open to the public, including boaters who aren't docking at the Marina. The second tank is needed to get the Marina back to its original capacity and to have a back up in case of emergencies.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Miami	**Project Title:** Install New Fuel Tank at Miami Marine Stadium Marina	
Total Project Cost: $ 200,000	**FIND Funding Requested: $** 100,000	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	$100,000	
Source of Applicant's Matching Funds:	The City of Miami is allocating matching funds in the amount of $100,000 or 50% of project costs, currently available via capital project 40-B70042.	

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:

2012- Marine Stadium Marina Seawall Replacement Ph. 2 ($800,000)
2015- Marine Stadium Baywalk Ph.2 ($500,000)
2016- Miami Marine Stadium In-Water Structural Assessment Ph. 1 ($250,000)

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):

250 dry racks; a public walkway and 10 floating docks---9 of them measure 40'x8' ft. each, and the larger L-shaped dock measures 40"x 8 ft and 20' x8 (L-shaped section)

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

This project will add a 2,000 gallon fuel tank.

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	Not applicable	N/A
DEP	No	Not applicable	N/A
ACOE	No	Not applicable	N/A

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Install New Fuel Tank at Miami Marine Stadium Marina
Applicant:	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.)

17. Other waterway related projects.

b) Explain how the project fits this priority category.

This project addresses priority #17. It involves installing a fuel tank for public usage in a waterway related facility.

(For reviewer only)
Max. Available Score for application 43

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

---

2) WATERWAY RELATIONSHIP:

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

The Marine Stadium Marina is located on Biscayne Bay, at Statute Mile 1092 on the AICW. This project relates to the District's mission to perform as the local sponsor of projects for the Atlantic Intracoastal Waterway.

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

This fuel tank installation project will facilitate boating access to the AICW from one of the County's largest marinas. The Marina is one of the few public fuel sources for motorized recreational water vessels in the Virginia Key area.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

Miami Marine Stadium Marina is a full service 250 dry rack boat storage facility and is one of South Florida's largest dry storage facilities. The Marina's docking facilities are used by 40,000 boaters annually. Fuel services are also open to boaters who don't use dry slips, accounting for an additional 2,000 boaters annually.

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

Once completed, the project will increase public access by facilitating more boats having access to the fuel needed to freely travel AICW waters. The Marina's amenities, including the fuel tank can be used by residents from City of Miami and neighboring counties in the District and out of state visitors.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

The marina is a slow speed zone. No commercial access will be allowed. Only recreational boaters of motorized and non-motorized vessels will be able to utilize the floating docks. Vessels must be non-commercial, under 70 feet.

(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 City of Miami anticipates it will take 18-24 months for installation of the project.

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

There are no unique aspects of the project that will influence the 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 including any cash match or matching grant funds.

Matching funds for this project are secured and available under capital project 40-B70042. The City is allocating matching funds of $100,000, equivalent to 50% of total 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 anticipated costs that may increase due to materials or site conditions.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

The Marina charges docking fees for the dry slips. Prices are comparable to other area marinas. As for fuel, costs change daily according to changes in gasoline markets. At the time of this application, the Marina is charging $5.99/gallon.

d) If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.

A "10% Set Aside" account receives 10% of all revenues collected annually and is restricted for use in the City's marinas. The 10% is earmarked for specific projects (e.g. vessel repairs, general maintenance, etc.). Funds will cover the maintenance of the fuel tank described in this application.

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

a) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

Miami Marine Stadium Marina is located in popular and historic Virginia Key. Virginia Key's proximity to Biscayne Bay, Atlantic Ocean and the AICW generates high levels of boaters traffic in that area. Virginia Key's local waters provide a wide variety of recreational uses for local and visiting boaters,such as the Virginia Key Outdoor Center and historic Virginia Key Beach. The Marina is one of the largest in the area and provides fuel services, dockage facilities and other amenities for about 40,000 boaters annually. Additionally, fuel services are available to recreational motorized water vessels of any size, including boats that are not using the Marina's dry dock storage facilities.

The second tank is needed to get the Marina back to its original capacity and to have a back up in case of emergencies. There have been times that the current tank will stop working because of electrical issues, leaving boaters without a fuel source. Installation of the new fuel tank will ensure the Marina can adequately meet boaters demand.

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

This project will be maintained by DREAM's Marinas Division, which owns and operates over 1300 wet slips, dry racks and mooring buoys in the City of Miami. Funds from the 10% "Set Aside" account will cover the ongoing maintenance costs of the new fuel tank.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

The Miami Marine Stadium Marina is part of the Virginia Key Implementation Plan, also known as the Virginia Key Master Plan. The plan proposes to develop Virginia Key as Miami's Eco-Friendly Destination Park, with planned infrastructure projects to maximize access and use of the waterfront.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 project does not require USACE, DEP and WMD permits, since all the work will be upland. Only a fuel tank permit from DERM is required.

b) If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.

This is a construction/installation project. The total project cost is $200,000.

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

No significant impediments have been identified at this time that would delay permitting.

(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 engineering design is in progress and will be completed before installation of the fuel tank.

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 fuel tank will be installed upland. The Marina will follow every safety guideline for the removal of the old tank to eliminate risk of spillage. There will be no environmental impacts to the water or its natural habitats.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

This project involves the installation of a 2,000 gallon, double wall fireguard, fuel tank. This is an above ground storage that has an inner and outer steel tank with lightweight thermal insulation material, with pump valves, piping and decals. We do not anticipated any construction materials that will significantly alter the project costs.

b) What is the design life of the proposed materials compared to other available materials?

The useful life of a fireguard steel fuel tank is typically 30 years or more.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

Because this project will be upland, this will erase the need for dredging, minimizes negative impacts to water quality. The inner tank will insulate fuel from ambient temperature variations resulting in reduced emissions to the environment. The outer steel tank protects the insulating layer from weathering, minimizing fuel leakages. The steel construction allows for recycling.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

The fuel tank will be located 10 feet from the water, right behind a seawall. Fireguard steel tanks undergo rigorous quality assurance testing and are designed to sustain against impacts, including environmental.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Install New Fuel Tank at Miami Marine Stadium Marina
Applicant:	City of Miami

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Dismantling and removal of old tank, new fuel tank cost and installation.	200,000.00	100,000.00	100,000.00
****TOTALS =**	**$ 200,000.00**	**$ 100,000.00**	**$ 100,000.00**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

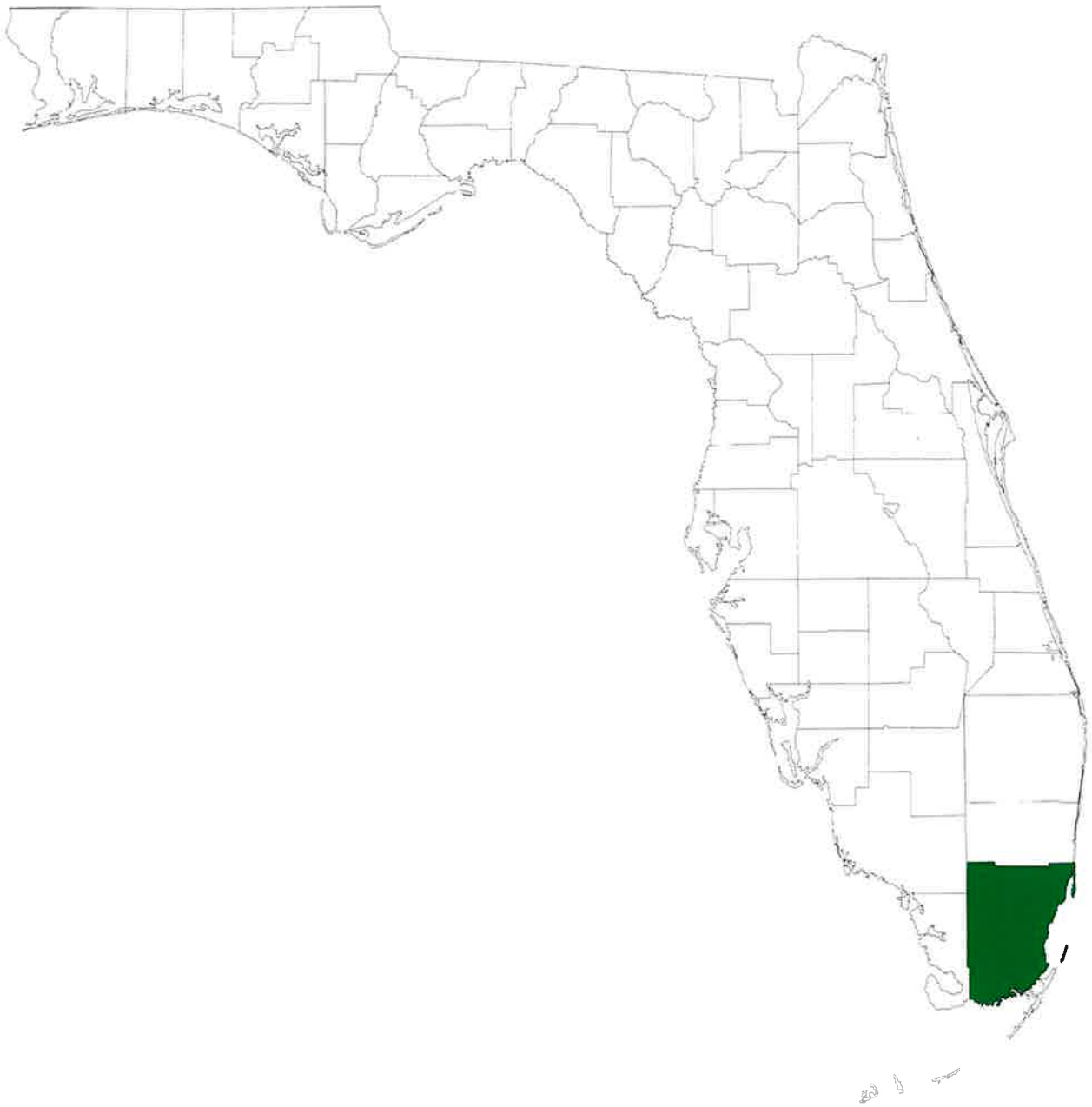
Project Title:	Install New Fuel Tank at Miami Marine Stadium Marina
Applicant:	City of Miami

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

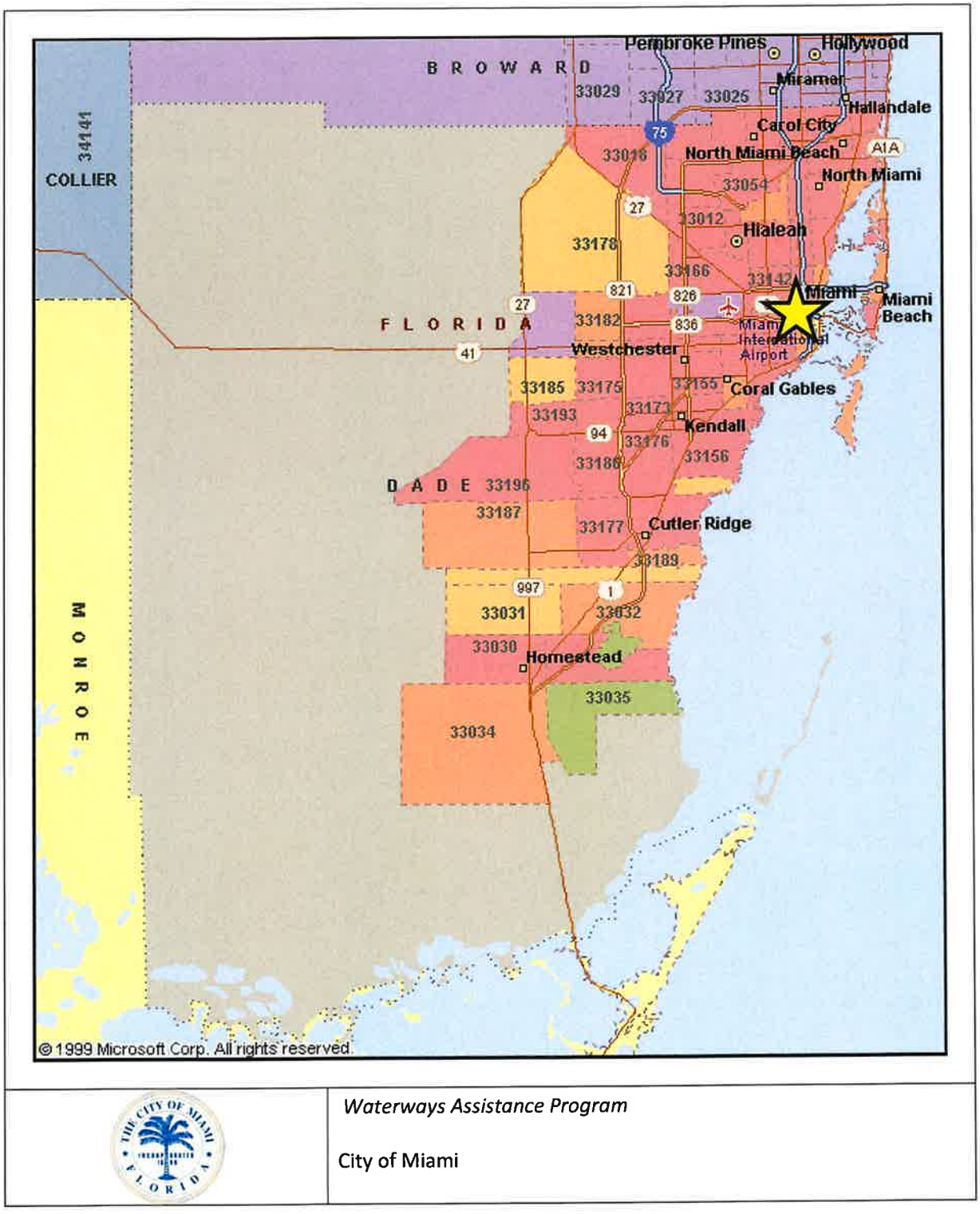
Date	Component
October 1, 2024 - March 31, 2025	Execute agreement and approve contractor's purchase order.
April 1, 2025 - September 30, 2026	Installation of 2,000 gallon fuel tank.

10. County Location Map



Locater 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



Waterways Assistance Program

City of Miami



11. Project Boundary Map

City of Miami Application:

Install New Fuel Tank at Miami Marine Stadium Marina

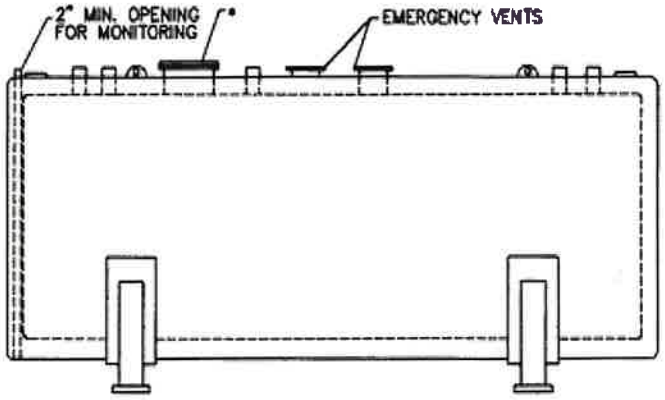


12. Site Map

City of Miami Application:

Install New Fuel Tank at Miami Marine Stadium Marina

FIREGUARD® ABOVEGROUND "PROTECTED TYPE" DOUBLE WALL STORAGE TANKS



INNER TANK			OUTER TANK	
APPROX. CAP. (GALLONS)	NOM. DIAMETER	NOM. LENGTH	NOM. DIAMETER	NOM. LENGTH
186	36"	3'-6"	48"	4'-6"
300	38"	5'-0"	50"	6'-0"
560	48"	6'-0"	54"	6'-6"
1,000	64"	6'-0"	70"	6'-6"
1,500	64"	9'-0"	70"	9'-6"
2,000	64"	12'-0"	70"	12'-6"
2,500	64"	15'-0"	70"	15'-6"
3,000	64"	18'-0"	70"	18'-6"
4,000	84"	14'-0"	90"	14'-6"
5,000	96"	13'-6"	102"	14'-0"
6,000	90"	18'-2"	96"	18'-8"
6,000	96"	16'-0"	102"	16'-6"
8,000	96"	21'-0"	102"	21'-6"
10,000	96"	26'-10"	102"	27'-6"
12,000	96"	32'-0"	102"	32'-6"
15,000	120"	25'-6"	126"	26'-0"
20,000	120"	34'-0"	126"	34'-6"
25,000	120"	42'-6"	126"	43'-0"
30,000	120"	51'-0"	126"	51'-6"

Tank lengths listed above are based on nominal tank dimensions.
Overall tank lengths will vary during actual manufacturing.

STANDARD SPECIFICATIONS

- Built to the UL 2085 and STI FIREGUARD® standards.
- Tanks will bear UL 2085 label for "Insulated Secondary Containment for Flammable Liquids-Protected Type".
- Inner and outer tank construction and thickness per UL 142.
- Modern's standard opening locations and required lifting lugs.
- Annular space monitoring capabilities
- Support saddles.
- Exterior blasted and finish coated white to Fireguard requirements.
- Check with Modern for type of Emergency Vent Opening supplied.
- Other exterior and interior coating systems may be available upon request.
- Other tank sizes available upon request.

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Miami			
Department: Department of Real Estate and Asset Management (DREAM)			
Project Title: Design and Permitting for the Replacement of Floating Docks and Pilings at Miami Marine Stadium Marina – Phase 1			
Project Director: Donald Lutton		**Title:**	Marinas Manager
Project Liaison: *(if different from Director)*	Lillian P. Blondet	**Title:**	Director, Office of Grants Administration
Mailing Address:	444 SW 2nd Avenue, 5th Floor		
City: Miami		**Zip Code:**	33130
Email Address: lblondet@miamigov.com		**Phone #:**	305-416-1536
Project Address:	3501 Rickenbacker Causeway, Miami, FL 33149		

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

SIGNATURE: Lillian P. Blondet DATE: 3/29/2024

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

The City of Miami submits this Phase 1, design and permitting application for replacement of floating docks and pilings at Miami Marine Stadium Marina. The scope of work includes the design, engineering, environmental studies, surveys, permitting and related services required to complete the design and permitting for this project.

Miami Marine Stadium Marina is located in Virgina Key, an 863-acre barrier island in Miami, which is accessible from the mainland via the Rickenbacker Causeway. This area is adjacent to the Atlantic Intracoastal Waterway (AICW) and provides the public with direct access to Biscayne Bay. The 10 floating docks and their pilings at the marina are beyond their useful life and must be replaced with new construction in order for boaters to have a safe area to dock and for enhanced public access to AICW waters.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Miami	**Project Title:** Design and Permitting for the Replacement of Floating Docks and Pilings at Miami Marine Stadium Marina – Phase 1	
Total Project Cost: $ 150,000	**FIND Funding Requested: $** 75,000	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	$75,000	
Source of Applicant's Matching Funds:	The City of Miami is allocating matching funds in the amount of $75,000 or 50% of project costs, currently available via capital project 40-B70042.	

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:**

2012- Marine Stadium Marina Seawall Replacement Ph. 2 ($800,000)
2015- Marine Stadium Baywalk Ph.2 ($500,000)
2016- Miami Marine Stadium In-Water Structural Assessment Ph. 1 ($250,000)

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):

250 dry racks; a public walkway and 10 floating docks---9 of them measure 40'x8' ft. each, and the larger L-shaped dock measures 40"x 8 ft and 20' x8 (L-shaped section)

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

This project will replace 10 floating 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	To be applied for	TBD
DEP	Yes	To be applied for	TBD
ACOE	Yes	To be applied for	TBD

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Design and Permitting for the Replacement of Floating Docks and Pilings at Miami Marine Stadium Marina – Phase 1
Applicant:	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.)

7. Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities.

b) Explain how the project fits this priority category.

This Phase 1 application addresses priority #7. The project consists of design and permitting for the construction of floating docks and pilings that will provide vessels water access to Biscayne Bay and the AICW.

(For reviewer only)
Max. Available Score for application 47

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

---

2) WATERWAY RELATIONSHIP:

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

Located on Biscayne Bay, at Statute Mile 1092 on the AICW, the project relates to the District's mission to provide public docks. Miami Marine Stadium Marina is located in Virginia Key and attracts thousands of people annually to enjoy their facilities.

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

The installation of new floating docks and pilings will provide an improved means by which small motorized and non-motorized craft may launch into Biscayne Bay and the nearby AICW.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

Replacement of the floating docks will provide proper access to a steadily used resource in Miami. The Marina is a full service 250 dry rack boat storage facility and is one of South Florida's largest dry storage facilities accommodating boats between 20 - 40 ft. in length. The Marina serves thousands of boaters annually. The 10 floating docks are used by marina customers for transport to and from their vessels.

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

The current docks are unsafe for boaters after decades of heavy use and having to fare against South Florida's extreme weather conditions. The construction of new docks will provide residents from City of Miami and neighboring counties in the District safe access to AICW waters.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

The marina is a slow speed zone. No commercial access will be allowed. Only recreational boaters of motorized and non-motorized vessels will be able to utilize the floating docks. Vessels must be non-commercial, under 70 feet.

(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.

This application is a funding request for Phase 1 design and permitting activities, which have not started at this time. The City of Miami anticipates it will take 18-24 months for Phase 1 activities to be completed.

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

There are no unique aspects of the project that will influence the 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 including any cash match or matching grant funds.

Matching funds for this project are secured and available under capital project 1. 40-B70042.The City is allocating matching funds of $75,000, equivalent to 50% of total 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 anticipated costs that may increase due to materials or site conditions.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

The Marina charges fees for the dry rack storage facilities, which includes free use of the floating docks for marina customers. Only boaters using the dry rack facilities are allowed to use the floating docks, to load and unload from their boats. A fee list is attached.

d) If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.

A "10% Set Aside" account receives 10% of all revenues collected annually and is restricted for use in the City's marinas. The 10% is earmarked for specific projects (e.g. vessel repairs, general maintenance, etc.). Funds will cover the maintenance of the floating docks and pilings described in this application.

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

a) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

Miami Marine Stadium Marina is located in popular and historic Virginia Key. Virginia Key's proximity to Biscayne Bay, Atlantic Ocean and the AICW generates high levels of boaters traffic in that area. Virginia Key's local waters provide a wide variety of recreational uses for local and visiting boaters. The Marina is the largest dry slip facility in Virgina Key. On any given weekend, there are about 200 boat launches from the Marina's floating docks. On average boats using the Marina may have between 2-4 passengers. This equates to 800 boaters walking through those docks every weekend. Annually, the Marina has about 40,000 visitors using the floating docks. The new floating docks and pilings will replace the current worn out docks, and safely accommodate the high volume of boaters who visit the Marina and Miami's waterways.

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

This project will be maintained by DREAM's Marinas Division, which owns and operates over 1300 wet slips, dry racks and mooring buoys in the City of Miami. Funds from the 10% "Set Aside" account will cover the ongoing maintenance costs of the floating docks.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

The Miami Marine Stadium Marina is part of the Virginia Key Implementation Plan, also known as the Virginia Key Master Plan. The plan proposes to develop Virginia Key as Miami's Eco-Friendly Destination Park, with planned infrastructure projects to maximize access and use of the waterfront.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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. This is a design and permitting application to obtain the necessary permits to build the floating docks and pilings.

b) If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.

It is anticipated that Phase 2 construction costs will be approximately $800,000.

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

No significant impediments have been identified at this time that would delay permitting.

(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 exisiting dock provides the preliminary design since the new docks will have the same dimensions and measurements.

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 require minimal structural support which creates less disturbance to underwater natural habitats and the water bottom. The floating docks will have buoyancy to allow them to move naturally with the water/tide.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

The project will be designed to replace the existing, damaged wooden floating docks with materials (in Phase 2), such as concrete pilings, that will be more suited to South Florida weather conditions and high-volume usage. The City will replace and construct floating docks utilizing techniques that comply with the Florida Building Code and marine construction regulations.

b) What is the design life of the proposed materials compared to other available materials?

The final design will be for floating docks and pilings with a 15-year useful life, which is the average for these structures. The current docks are 17 years old, with minor repairs made along the way, such as replacement of metals or wood surface. Materials for the new floating docks will be determined by the final design.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The project design will involve materials that are well-suited to South Florida weather conditions. The City will work with the contractor(s) in the design and permitting phase to identify construction techniques that will minimize environmental impacts to surrounding seagrass beds and the sensitive basin bottom.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

Floating docks will have buoyancy to allow them to move naturally with the water and adapt to rising tides.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Design and Permitting for the Replacement of Floating Docks and Pilings at Miami Marine Stadium Marina – Phase 1
Applicant:	City of Miami

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Engineering and permit expedition	90,000.00	45,000.00	45,000.00
Survey and soil reports	18,000.00	9,000.00	9,000.00
Permit fees	42,000.00	21,000.00	21,000.00
****TOTALS =**	**$ 150,000.00**	**$ 75,000.00**	**$ 75,000.00**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

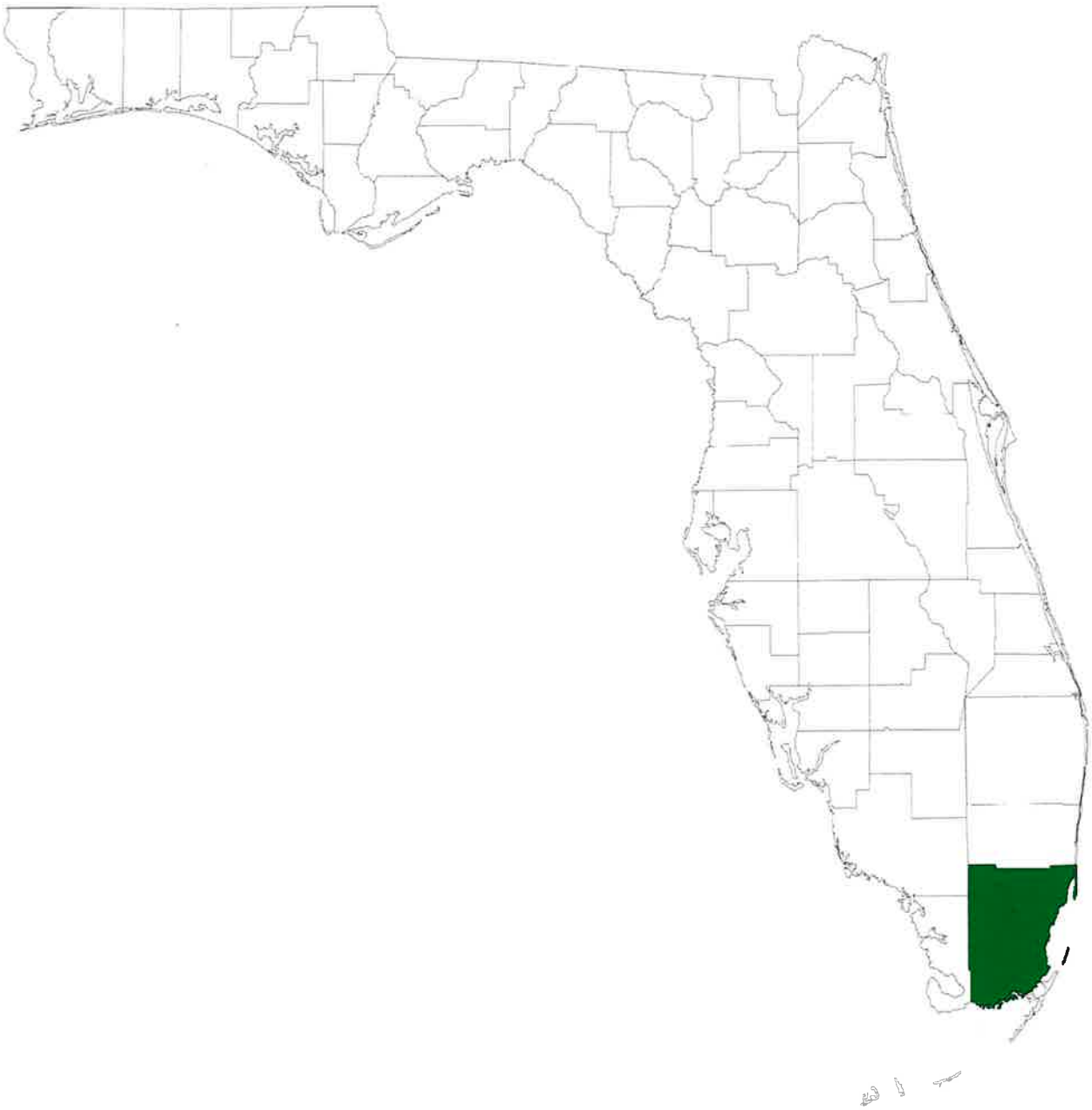
Project Title:	Design and Permitting for the Replacement of Floating Docks and Pilings at Miami Marine Stadium Marina – Phase 1
Applicant:	City of Miami

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

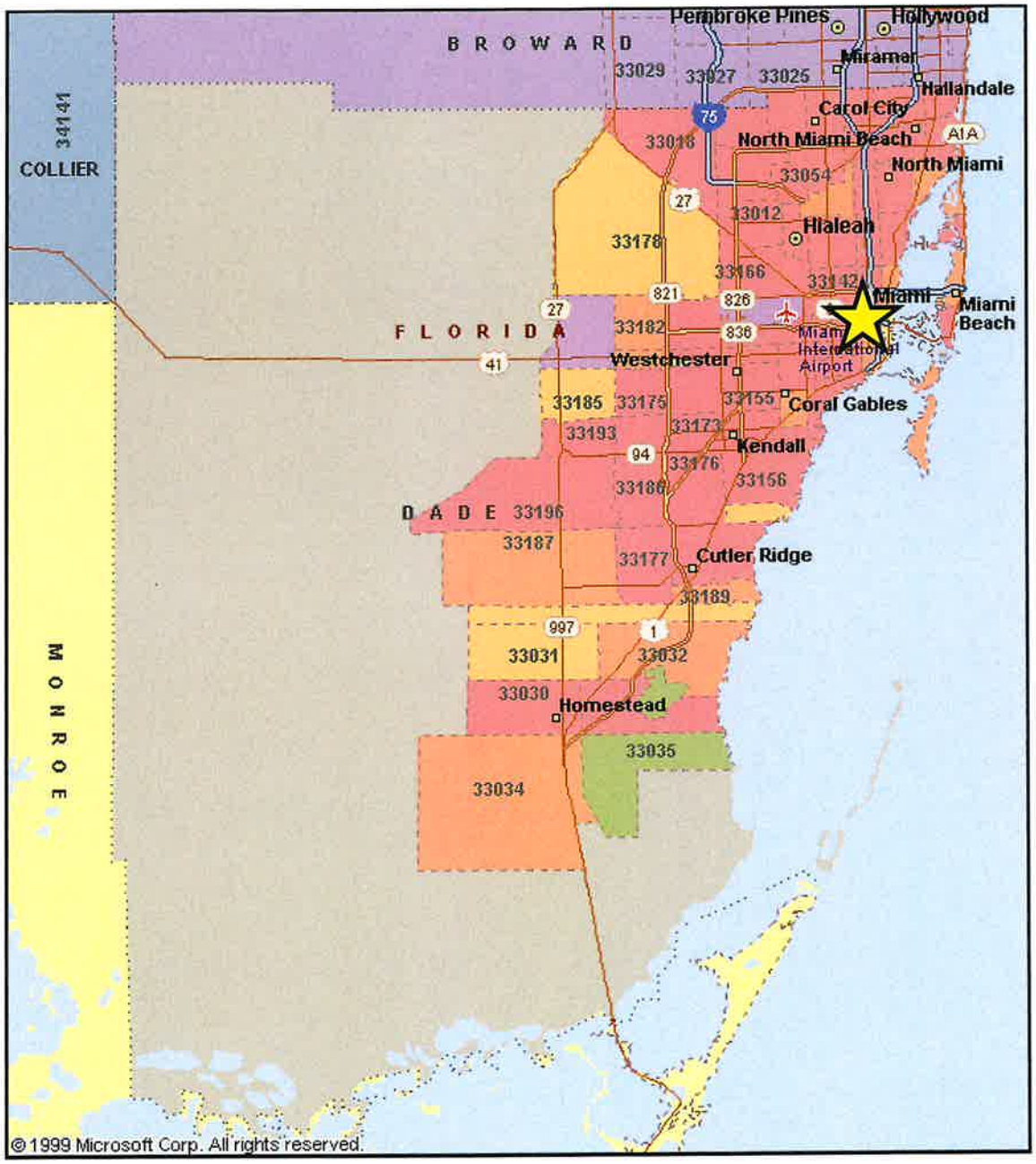
Date	Component
October 1, 2024 - March 31, 2025	Execute agreement and approve contractor's purchase order.
April 1, 2025 - September 30, 2026	Complete all studies, surveys, and design. Obtain required permits.

10. County Location Map



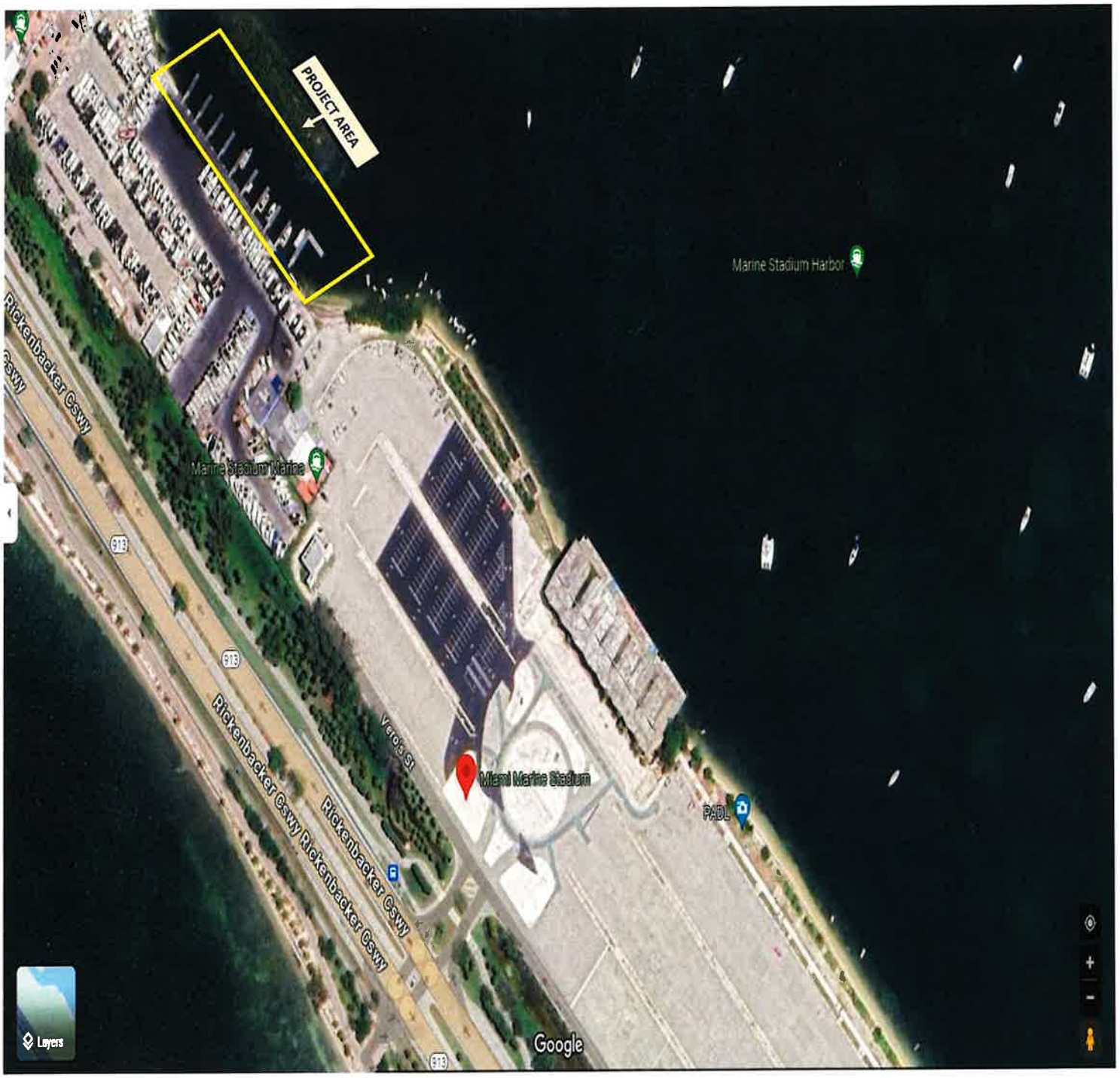
Locater Map of Miami-Dade County, 2008
Florida Center for Instructional Technology, (Tampa, FL: Florida Center for Instructional Technology, 2008)
Downloaded from *Maps ETC*, on the web at http://etc.usf.edu/maps [map #f8603]

10. City Location Map



Waterways Assistance Program

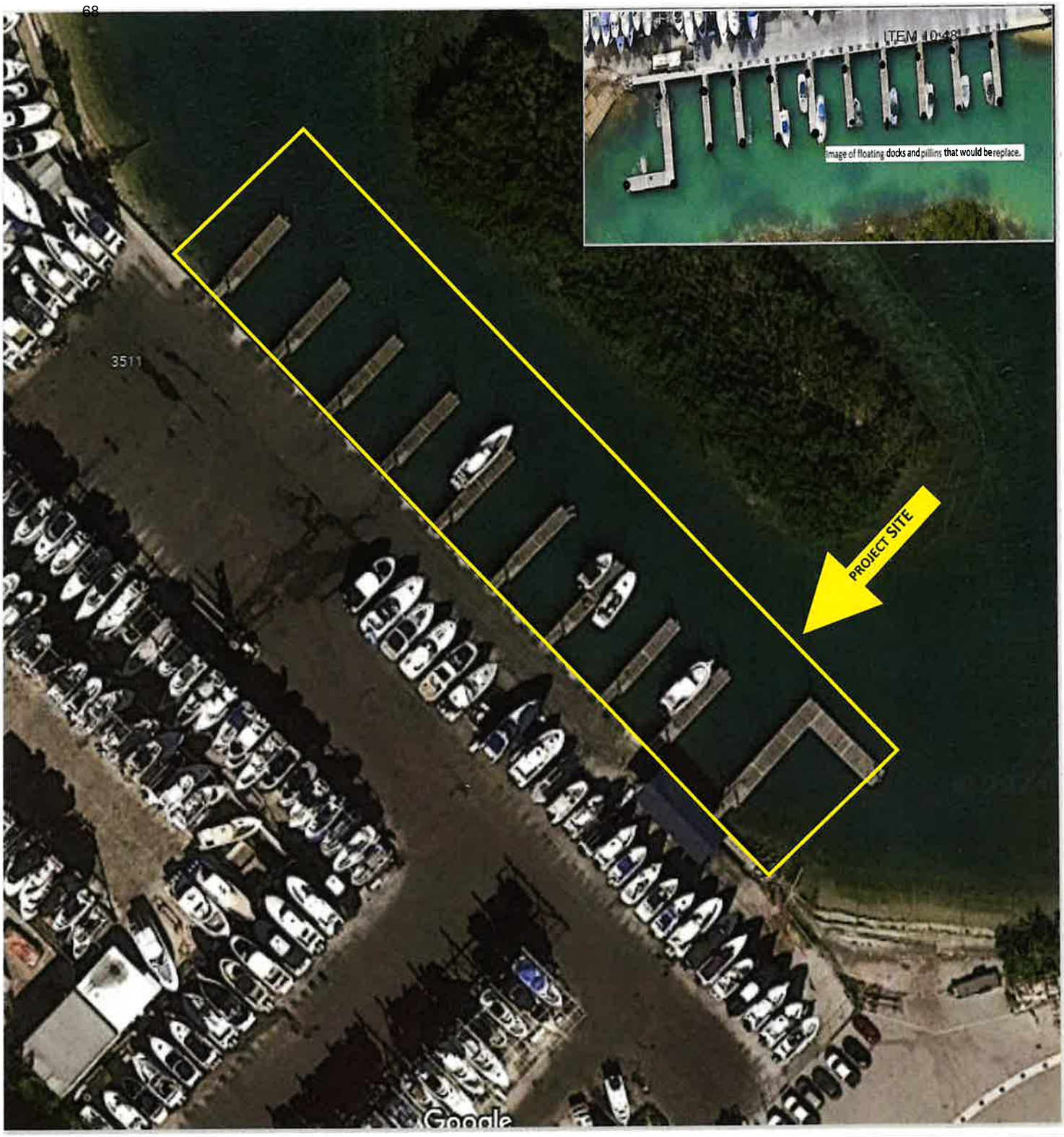
City of Miami



11. Project Boundary Map

City of Miami Application:

Design and Permitting for the Replacement of Floating Docks and Pilings at Miami Marine Stadium Marina – Phase 1–



12. Site Map

City of Miami Application:

Design and Permitting for the Replacement of Floating Docks and Pilings at Miami Marine Stadium Marina

— Phase 1 —

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Miami			
Department: Department of Real Estate and Asset Management (DREAM)			
Project Title: Purchase of Shuttle Boat for Watson Island Mooring Field			
Project Director: Donald Lutton		**Title:**	Marinas Manager
Project Liaison: *(if different from Director)*	Lillian P. Blondet	**Title:**	Director, Office of Grants Administration
Mailing Address:	444 SW 2nd Avenue, 5th Floor		
City: Miami		**Zip Code:**	33130
Email Address: lblondet@miamigov.com		**Phone #:**	305-416-1536
Project Address:	1001 MacArthur Causeway, Miami, FL 33132		

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

SIGNATURE: Lillian P. Blondet DATE: 3/29/2024

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

The City of Miami is seeking funding for the purchase of a marine vessel for the new Watson Island Mooring Field, which is scheduled to begin operating by May 2024. The vessel will have the capacity to hold up to 12 people. The boat is a 25-ft center console with dual engines. It will be used to shuttle mooring field customers to and from the shore. The farthest distance from the mooring field to the shoreline is about 1/2 mile. Marina captains operating the shuttle boat will also respond to sinking vessels or vessels in need around Watson Island. City of Miami Marinas must ensure the safety of all residents and visitors using their facilities.

Watson Island is directly adjacent to the Atlantic Intracoastal Waterway (AICW) and offers direct access to Biscayne Bay and the Atlantic Ocean, making this location a valuable resource for the boating public.

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Miami	**Project Title:** Purchase of Shuttle Boat for Watson Island Mooring Field	
Total Project Cost: $ 120,000	**FIND Funding Requested: $** 60,000	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	$60,000	
Source of Applicant's Matching Funds:	The City of Miami is allocating matching funds in the amount of $60,000 or 50% of project costs, currently available via capital project 40-B24TBD.	

1. Ownership of Project Site (check one): Own:◉ Leased:◯ Other:◯

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

City of Miami has ownership of Watson Island, as described in Deed No. 19447. The mooring field is over City-owned submerged land, as well as State-owned submerged land. The City-owned parcel within the mooring field in in the southwest area. The middle of the mooring field is over State-owned submerged land.

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

4. If yes, please list:

2019- Watson Island Mooring Field Ph. 2 ($375,000)
2016- Design & Permitting of Mooring Facility Offshore from Watson Island ($75,000)

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):

Moorings for up to 100 water vessels.

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

This project will add a boat (currently none is available) that will shuttle mooring field customers to and from the shore.

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	Not applicable	N/A
DEP	No	Not applicable	N/A
ACOE	No	Not applicable	N/A

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Purchase of Shuttle Boat for Watson Island Mooring Field
Applicant:	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.)

13. Waterway boating safety programs & equipment.

b) Explain how the project fits this priority category.

This Phase 2 application addresses priority #13. A marine vessel will be purchased for City of Miami's mooring field at Watson Island.

(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 mooring field offshore of Watson Island is in City of Miami jurisdictional waters, which intersect with the AICW. This project aligns with 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 Marinas Division is responsible for the safety of all who use marina facilities. Ensuring safe passage through mooring field waters at Watson Island is essential for public accessibility to the AICW and adjoining waterways.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

The Watson Island mooring field accommodates up to 100 vessels. There are hundreds of mooring field users that require transportation from their boats to the shore on a daily basis. The City estimates the mooring field will serve 200-400 boaters daily at maximum capacity. There is already a 100 boat waiting list. The shuttle boat will be essential for the safety of hundreds of people who will be using the mooring field on a daily basis.

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

Once completed, the project will increase public access by offering boaters a safe method of transportation between the shoreline and AICW waters. The Watson Island mooring field can be used by residents from City of Miami and neighboring counties in the District and out of state visitors.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

This is a non-commercial site. All water vessels using the mooring field must be recreational and not more than 70 ft. in length.

(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 timeline of this project will be as follows:
Months 1-6: Contract execution
Months 7-24: Procurement, purchase and delivery of the vessel.

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

No delays in the timeline 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 including any cash match or matching grant funds.

Matching funds for this project are secured and available under DREAM Project 40-B24TBD. The City is allocating matching funds of $60,000, equivalent to 50% of total project costs.

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) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

Fees will be associated with the mooring field once it is open for business. Fees will be comparable to similar facilities. The current mooring fee at City of Miami Marinas is $27.25/night. Mooring field fees include free the shuttle boat service. Fees list attached.

d) If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.

A "10% Set Aside account" receives 10% of all revenues collected annually and is restricted for use in the City's marinas. The 10% is earmarked for specific projects (e.g. vessel repairs, general maintenance, etc.). Funds will cover the maintenance of the marine vessel described in this application.

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

a) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

The project is focused on public safety. Miami's proximity to the AICW, Atlantic Ocean and the Caribbean generates high levels of boater traffic. The new Watson Island 100-vessel mooring field location will attract thousands of visitors annually. Before its grand opening, this location already has a 100-boat waiting list. Local, visiting and transient boaters will need a safe method of transportation between the shore and their boat anchored at the mooring field.

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

This project will be maintained by DREAM's Marinas Division, which owns and operates over 1300 wet slips, dry racks and mooring buoys in the City of Miami. Funds from the 10% "Set Aside" account will cover the ongoing maintenance costs of the marine vessel.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

This project is not incorporated in an existing comp plan or public assessment plan.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4C

EVALUATION WORKSHEET

LAW ENFORCEMENT & BOATING SAFETY PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 Marinas Division is responsible for the safety of visitors and residents using marina facilities. This includes ensuring the public safely traversing City of Miami jurisdictional waters within a facility's property line. Watson Island mooring field staff are knowledgeable and ensure that all who use the moorings do so under the safest conditions. Staff manning the shuttle boat will either be certified captains and/or have a boat operator's license.

d) How does the project provide significant benefits or enhancements to the District's Waterways?

The project will facilitate the safe transit to and from the shoreline, of thousands of annual Watson Island mooring field users. The farthest distance from the mooring field to the shore is about 1/2 mile. Having certified captains at Watson Island also increases safety instead of leaving boaters to their own devices. In addition to using the boat to transport mooring field users to and fro, Marina captains at Watson Island can also respond to vessels in the area that are in distress. This project will facilitate safe access to AICW waters.

(For reviewer only)
(1-3 points)

---

8) EXPERIENCE & QUALIFICATIONS:

a) List the personnel tasked with the implementation of this project, their qualifications, previous training and experience.

The Watson Island mooring field will have up to 2 licensed staff manning the boats on a daily basis. All mooring field staff at a minimum have a safe boater's license. Most staff at Watson Island will also have a boat captain's license. Licensed staff receives training from certified U.S. Coast Guard captains.

b) Have the personnel participated in or received state marine law enforcement training?

Marina captains and staff are not law enforcement officers. However, USCG training does cover maritime law, navigation, safety, seamanship and emergency procedures.

(For reviewer only)
(1-2 points)

9) DELIVERABLES:

a) Describe the anticipated, long-term measurable results of implementing this project.

The purchase of the shuttle boat will allow the Marinas Division to increase safety in AICW waters in and surrounding the mooring field at Watson Island. Anticipated long-term results is the minimization of boating related accidents and reduction of harm to residents and visitors.

b) What is the range or area of coverage for this project? Please provide a map of the coverage area.

The mooring field covers about a 1/2 mile diameter circle. A map of the coverage area is provided.

c) Does the project fulfill a particular community need?

Yes. This project gives our Marinas Division the resources needed to provide adequate public safety to all who access City of Miami jurisdictional waters by way of the Watson Island mooring field.

For reviewer only)
(1-4 points)

10) EDUCATION:

a) What are the educational benefits (if any) of this proposed project?

The benefits for this project are safety-based.

b) How does the project or program provide effective public boating education or expand boater safety?

This project expands boater safety by ensuring safe passage in AICW waters within Watson Island, from the mooring field to the shore.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Purchase of Shuttle Boat for Watson Island Mooring Field
Applicant:	City of Miami

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Months 1-6: Contract Execution	0.00	0.00	0.00
Months 7-24:Procurement and purchase of marine vessel	120,000.00	60,000.00	60,000.00
****TOTALS =**	**$ 120,000.00**	**$ 60,000.00**	**$ 60,000.00**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

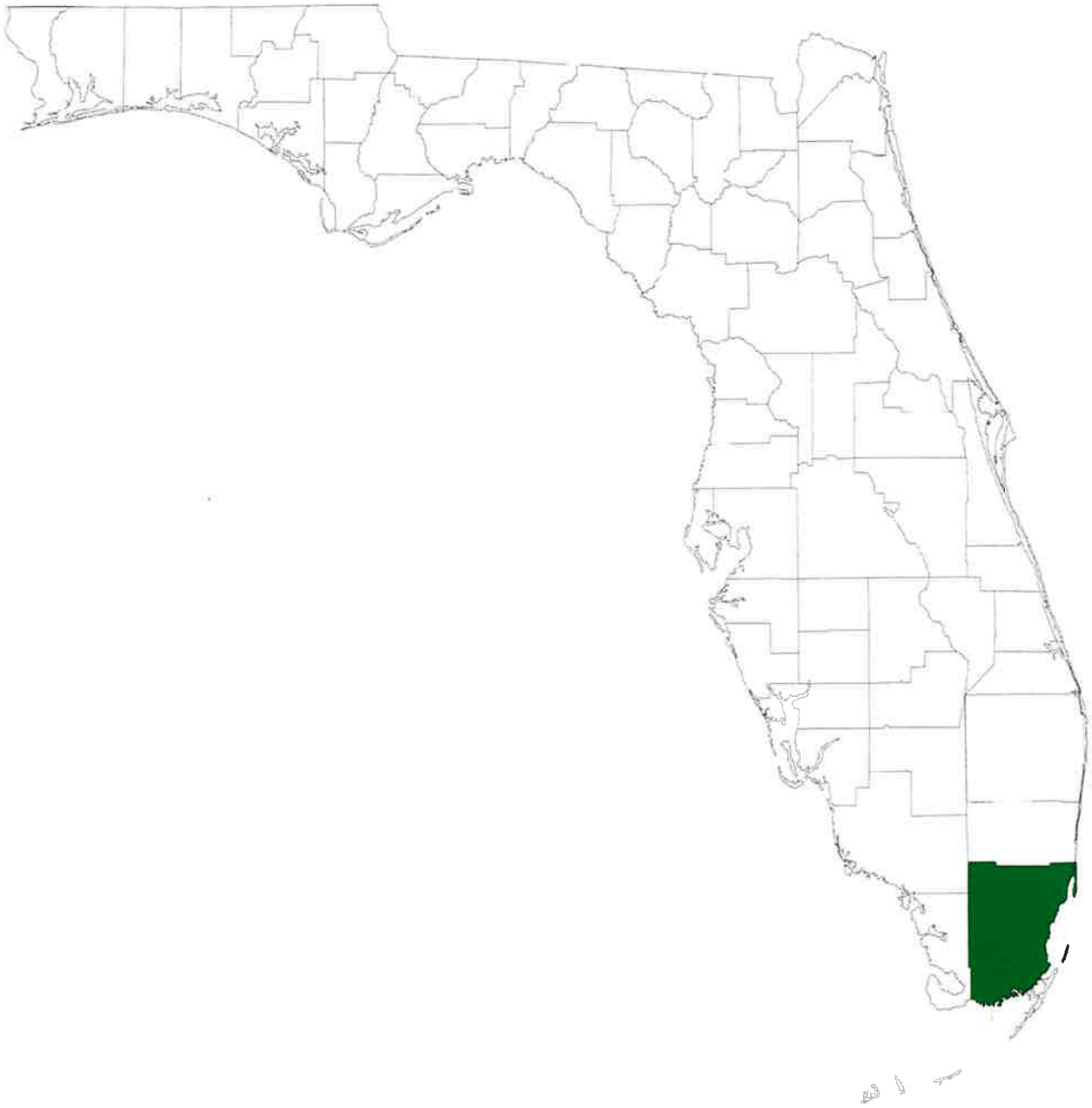
Project Title:	Purchase of Shuttle Boat for Watson Island Mooring Field
Applicant:	City of Miami

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

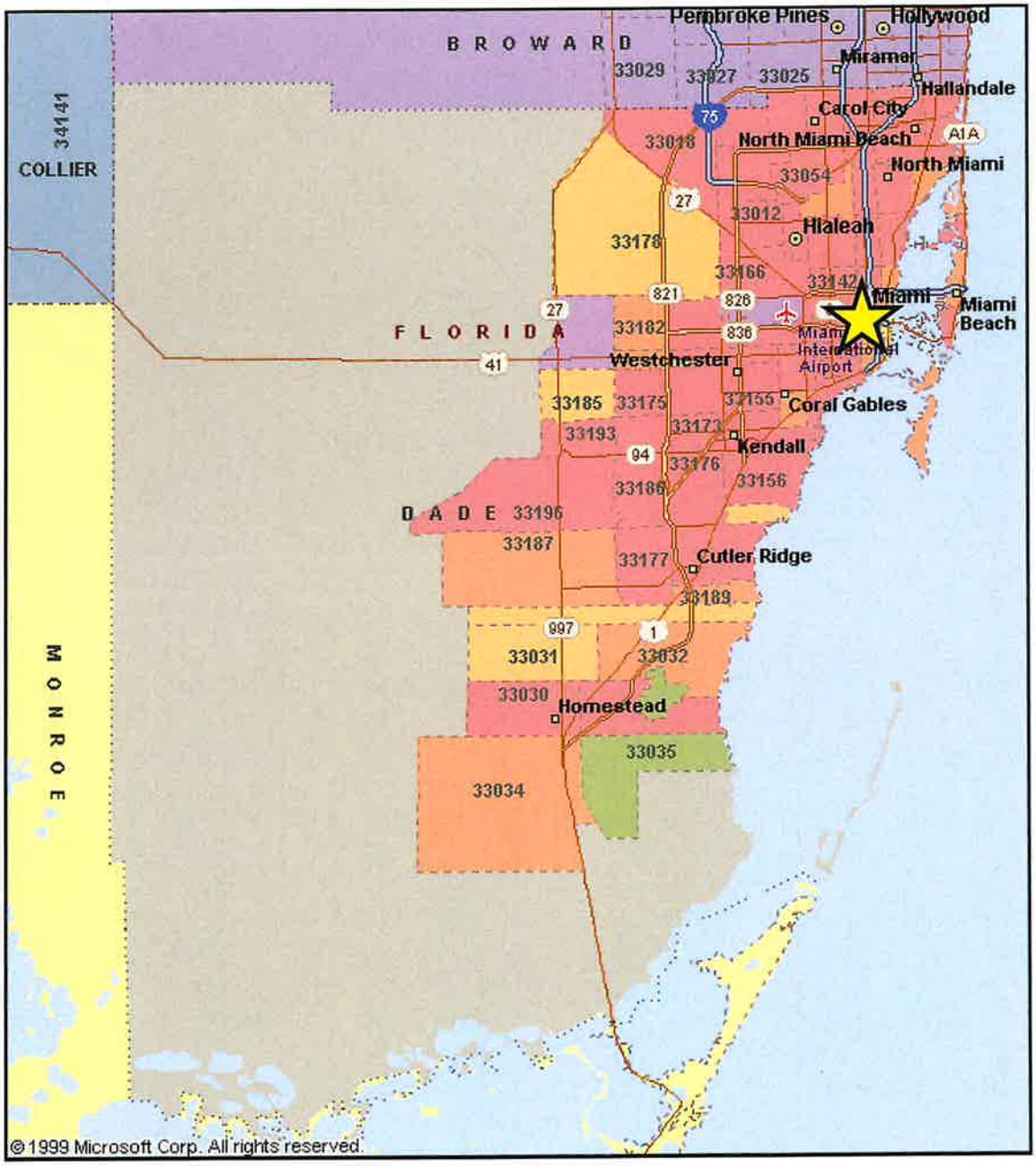
Date	Component
October 1, 2024 - March 31, 2025	Execute agreement.
April 1, 2025 - September 30, 2026	Procurement/purchase of marine vessel.

10. County Location Map



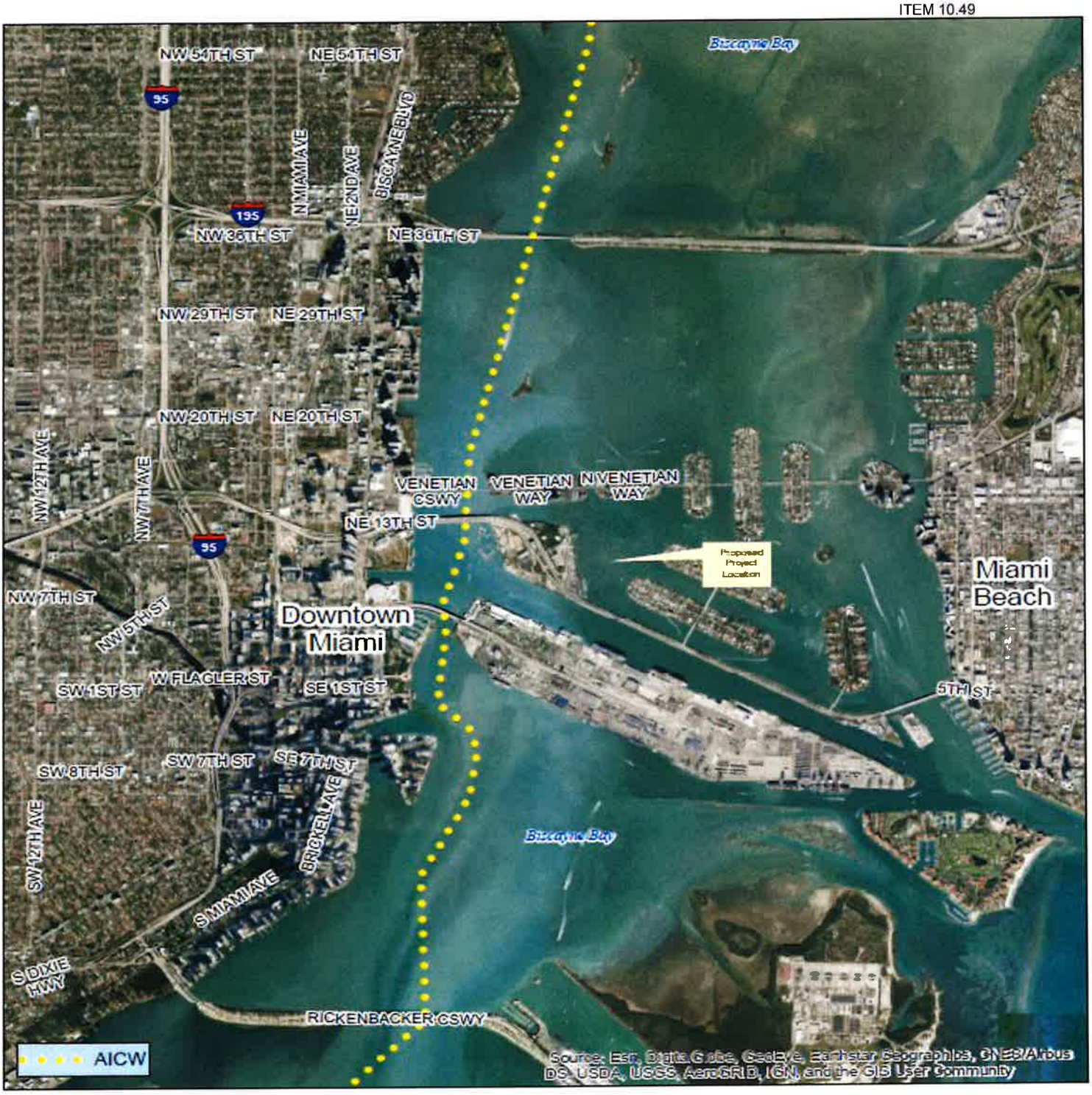
Locater Map of Miami-Dade County, 2008
Florida Center for Instructional Technology, (Tampa, FL: Florida Center for Instructional Technology, 2008)
Downloaded from *Maps ETC*, on the web at http://etc.usf.edu/maps [map #f8603]

10. City Location Map



Waterways Assistance Program

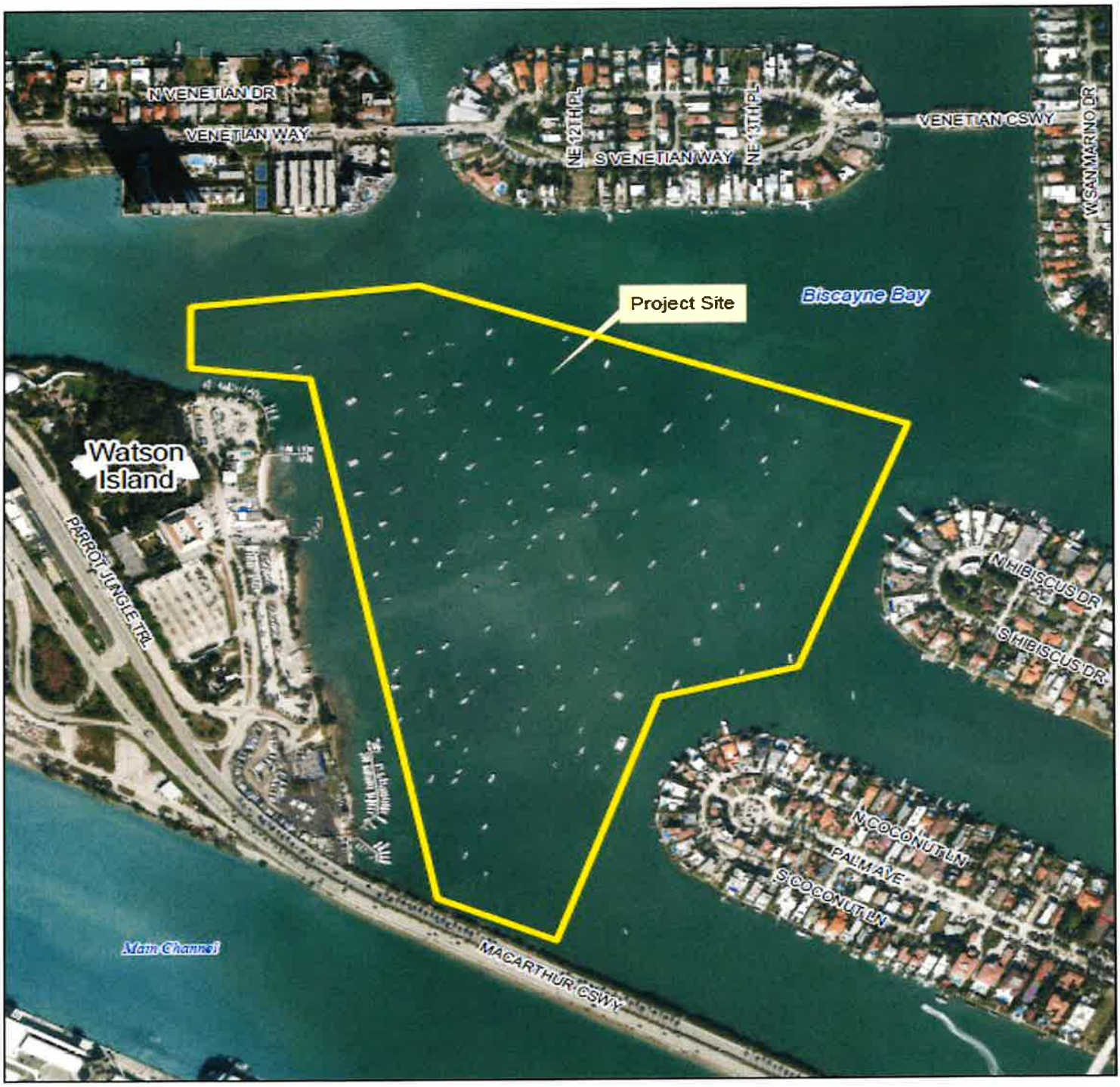
City of Miami



11. Project Boundary Map

City of Miami Application:

Purchase of Shuttle Boat for Watson Island Mooring Field



12. Site Map

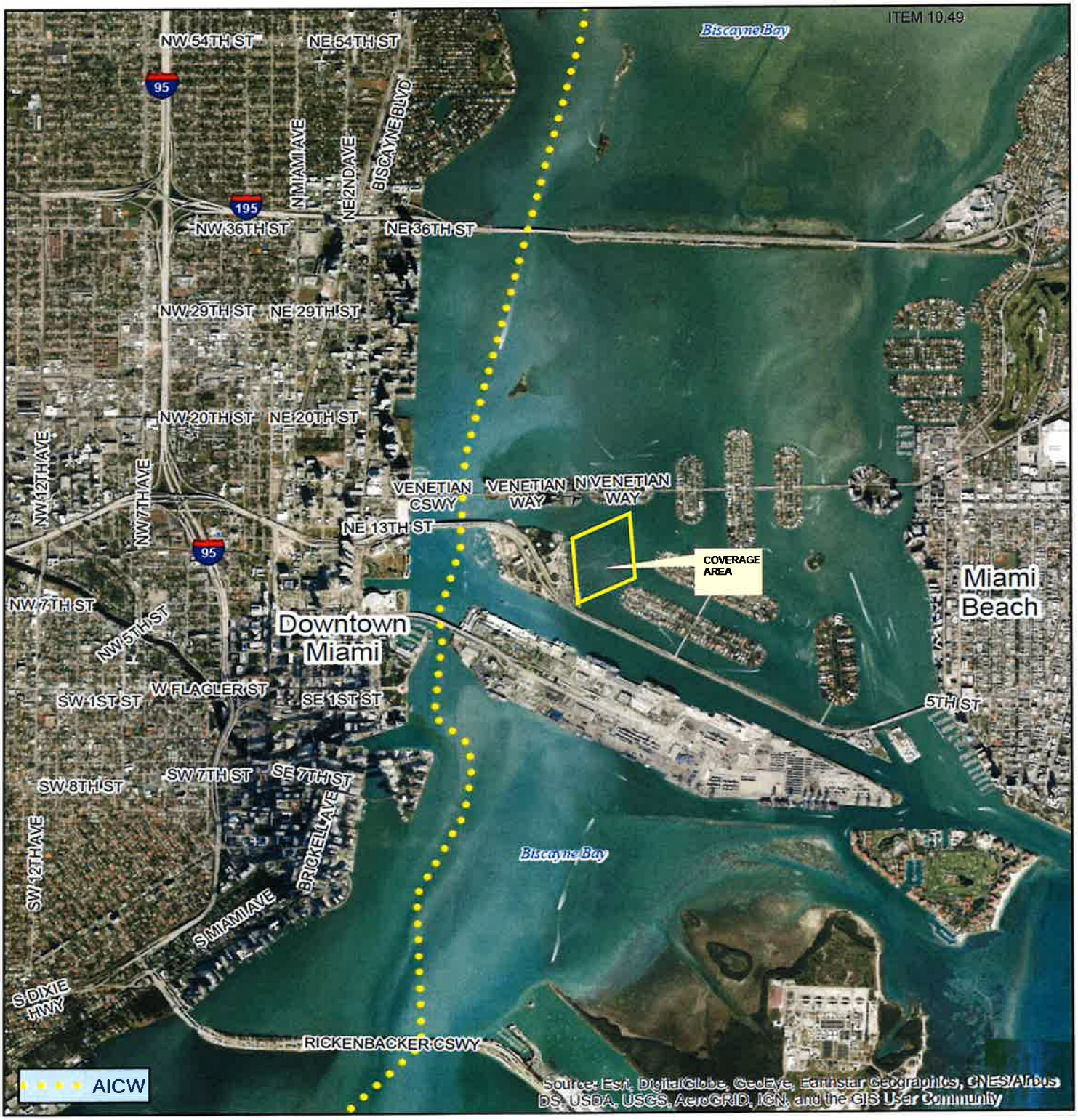
City of Miami Application:

Purchase of Shuttle Boat for Watson Island Mooring Field

Sample Image:

25 ft. Center Console Boat with Dual Engines





13. Coverage Area Map

City of Miami Application:

Purchase of Shuttle Boat for Watson Island Mooring Field

ATTACHMENT E-1

APPLICATION CHECKLIST

WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Removal of Derelict Vessels
Applicant:	City of Miami

This checklist and the other items listed below in items 1 through 13 constitute your application. The required information shall be submitted in the order listed.

An electronic copy shall be emailed (15mb maximum file size) to CKelley@aicw.org. Application must be received by the deadline, no exceptions.

All information will be printed on 8 ½"x11" paper to be included in agenda books bound by staff.

		YES	NO
1.	District Commissioner Review (prior to March 4rd) (*NOTE*: For District Commissioner initials ONLY!) **(District Commissioner must initial the yes line on this checklist for the application to be deemed complete)**	TSC	
2.	Application Checklist – E-1 (Form No. 90-26, 2 pages) (Form must be signed and dated)	◉	○
3.	Applicant Info/Project Summary – E-2 (Form No. 90-22, 1 page)**(Form must be completed and signed)**	◉	○
4.	Project Information – E-3 (Form No. 90-22a, 1 page)	◉	○
5.	Application and Evaluation Worksheet – E-4(+) (Form No.91-25) (One proper sub-attachment included, 7 pages) Must answer questions 1-10. **No signatures required**	◉	○
6.	Project Cost Estimate – E-5 (Form No. 90-25, 1 page) **(Must be on District form)**	◉	○
7.	Project Timeline – E-6 (Form No. 96-10, 1 page)	◉	○
8.	Official Resolution Form – E-7 (Form No. 90-21, 2 pages) **(Resolution must be in District format and include items 1-6)**	○	⊗

ATTACHMENT E-1 (Continued)

APPLICATION CHECKLIST

WATERWAY ASSISTANCE PROGRAM FY 2024

		YES	NO
9.	Attorney's Certification (Land Ownership) – E-8 **(Must be on or follow format of Form No. 94-26, Legal descriptions NOT accepted in lieu of form)**	○	◉
10.	County/City Location Map	◉	○
11.	Project Boundary Map	◉	○
12.	Clear & Detailed Site Development Plan Map	◉	○
13.	Copies of all Required Permits: ACOE, DEP, WMD (Required of development projects only)	○	◉

The undersigned, as applicant, acknowledges that Items 1 through 12 above constitutes a complete application and that this information is due in the District office no later than 4:30 PM, April 1, 2024. By May 15, 2024 my application must be deemed complete (except for permits) or it will be removed from any further consideration by the District. I also acknowledge that the information in Item 13 is due to the District no later than September 16, 2024. If the information in Item 13 is not submitted to the District office by September 16, 2024, I am aware that my application will be removed from any further funding consideration by the District.

LIAISON: Lillian Blondet TITLE: Director, Grants Administration

Lillian P. Blondet 3/29/2024

**** SIGNATURE - PROJECT LIAISON **** DATE

FIND OFFICE USE ONLY

Date Received: _____

Local FIND Commissioner Review: _____

All Required Supporting Documents: _____

Applicant Eligibility: _____

Project Eligibility: _____ Available Score: _____

Compliance with Rule 66B-2 F.A.C.: _____

_____

Eligibility of Project Cost: _____

Form No. 90-26 - New 9/2/92, Revised 07-30-02.

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Miami			
Department: City of Miami Police Department			
Project Title: Derelict Vessel Removal			
Project Director: Officer Arturo Del Castillo		**Title:**	Officer
Project Liaison: *(if different from Director)*	Lillian P. Blondet	**Title:**	Director, Grants Administration
Mailing Address:	444 SW 2nd Avenue, 5th Floor		
City: Miami		**Zip Code:**	33130
Email Address: lblondet@miamigov.com		**Phone #:**	305-416-1536
Project Address:	City of Miami Jurisdictional Waters		

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

SIGNATURE: Lillian P. Blondet DATE: 3/29/2024

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

This project will remove 34 derelicts, abandoned and/or sunken vessels from City of Miami waterways along and adjacent to Atlantic Intracoastal Waterway (AICW), utilizing a licensed, insured and qualified marine contractor hired through a bid process. All vessels have been identified, cited and tagged for removal. The contractor, working with City of Miami Marine Patrol Unit (MPU) and other City staff, will safely remove these vessels from the water and dispose of property at local landfills. Despite the City's best efforts to require vessels berthed and navigating in City jurisdictional waters to be maintained in a safe, seaworthy condition, a number of vessels have fallen into significant disrepair, have sunk or have been abandoned by their owners. With tidal shifts and strong storms, these boats can continue moving along the bay bottom, damaging delicate ecosystems and positioning them more directly in the way of boaters entering and exiting the AICW, Biscayne Bay, Miami River and the City marinas that offer public access to these waterways. Removal and disposal of these vessels will eliminate navigational hazards and allow for improved public navigation, public access to waterways, water quality and health of the marine environment. This project is supported by the City of Miami who will provide matching funding.

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Miami	**Project Title:** Derelict Vessel Removal	
Total Project Cost: $ 400,000	**FIND Funding Requested:** $ 200,000	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	$200,000	
Source of Applicant's Matching Funds:	$200,000 in matching funds will be available under Miami Police Department FY2025 Budget.	

1. **Ownership of Project Site (check one):** Own: ○ Leased: ○ Other: ○X
2. **If leased or other, please describe lease or terms and conditions:**

   Vessels will be removed from jurisdictional waters.

3. **Has the District previously provided assistance funding to this project or site?** Yes ◉ No: ☐ ○
4. **If yes, please list:**

   Citywide Removal of Derelict Vessels, 2015; Citywide Removal of Derelict Vessels, 2020 & 2023.

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 dozens of marinas and public boat ramps that would benefit from clear navigational channels and waters through 24 miles of water access within the jurisdictional limits of the City's waterways, including the AICW.

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		
DEP	N/A		
ACOE	N/A		

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Derelict Vessel Removal
Applicant:	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.)

17. Other waterway related projects.
Should be Priority 8- Derelict Vessel Removal. Menu defaults to Priority#17.

b) Explain how the project fits this priority category.

This project aligns with Priority #9 (Derelict Vessel Removal) and will fund the removal of and disposal of derelict, abandoned and sunken vessels from City waterways which fits the definition of this priority category.

(For reviewer only)
Max. Available Score for application 46

Question 1. Range of Score (1 to 4 points)

---

2) WATERWAY RELATIONSHIP:

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

This project directly relates to the ICW as the areas to be cleared of derelict vessels include the portion of the AICW 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 City of Miami controls approximately 64 square miles of jurisdictional waters and channels. Removal of these vessels will increase accessibility to the waterways along and adjacent to the AICW. The projects will improve boaters safety, navigational access and the environmental quality of local waters.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

MPD works closely with other marine law enforcement to identify derelict vessels and to mitigate these conditions when possible. MPD will manage the identification and disposal of these 34 vessels. Vessel removal will eliminate navigational hazards and allow for improved public access to waterways. With over 74,600 vessel registrations in Miami Dade County, use of Miami's waterways is consistently high by local and visiting boaters.

b) Discuss the regional and local public benefits 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 16 miles of the AICW that run north to south; the AICW facilitates the safe transit of thousands of vessels annually through City waters. Removal of sunken vessels will not damage submerged resources. The project will ensure continued safe, unimpeded access through our waterways. All boaters navigating through Miami have access to our waterways and benefit from the vessel removal.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

No.

(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.

All vessels listed in this application have been tagged for removal. The timeline of this project will be as follows: Months 1-4: Contract execution; Months 5-11: Procurement, bid and award of work to licensed, insured and qualified contractor; Months 12-24 Mobilize contractor, remove vessels, project completion.

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

There are no unique aspects of this project that can influence the 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 including any cash match or matching grant funds.

The City of Miami will match the requested funds with $200,000 that will be available under Miami Police Department FY2025 Budget.

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.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

No.

d) If there are any fees, please explain where these fees go and what they are used for. 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) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

Boaters transiting the AICW through City waters require safe navigation free of hazards and obstruction. By removing derelict vessels, boaters will be able to safely navigate through our waters and access the facilities, harbors and water-based attractions without risk of damage or injury.

Derelict, abandoned and sunken vessels pose both a navigational and environmental hazard to the waters and channels in this area. Removal and disposal of these vessels which contain fuel tanks, batteries and other hazardous materials, will exponentially improve water quality and mitigate damage to submerged resources. In addition, navigation through these waterways will be safer once the vessels are removed.

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

The removal of the vessels will closeout the project. Miami Police Department Marine Patrol will continue to monitor the waterways to minimize the likelihood of derelict vessels.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

The project is not referenced in an existing plan.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Environmental permits are not applicable.

b) If the project is a Phase I project, please 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.

Not applicable.

(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 applicable.

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?

Not applicable.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

Not applicable.

b) What is the design life of the proposed materials compared to other available materials?

Not applicable.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The environmental benefits will be significant, as this project will remove contaminants in sunken vessels, deteriorating fiberglass and prevent waste from contaminating the bay bottom, submerged resources and our City waters. Derelict vessel removal will also reduce the chance of other boats being damaged and leaking similar hazardous materials.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

Not applicable.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Derelict Vessel Removal
Applicant:	City of Miami

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
34 Derelict Vessels throughout City of Miami jurisdictional boundaries	$400,000	$200,000	$200,000
List of vessels is attached			
****TOTALS =**	**$400,000**	**$200,000**	**$200,000**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Derelict Vessel Removal
Applicant:	City of Miami

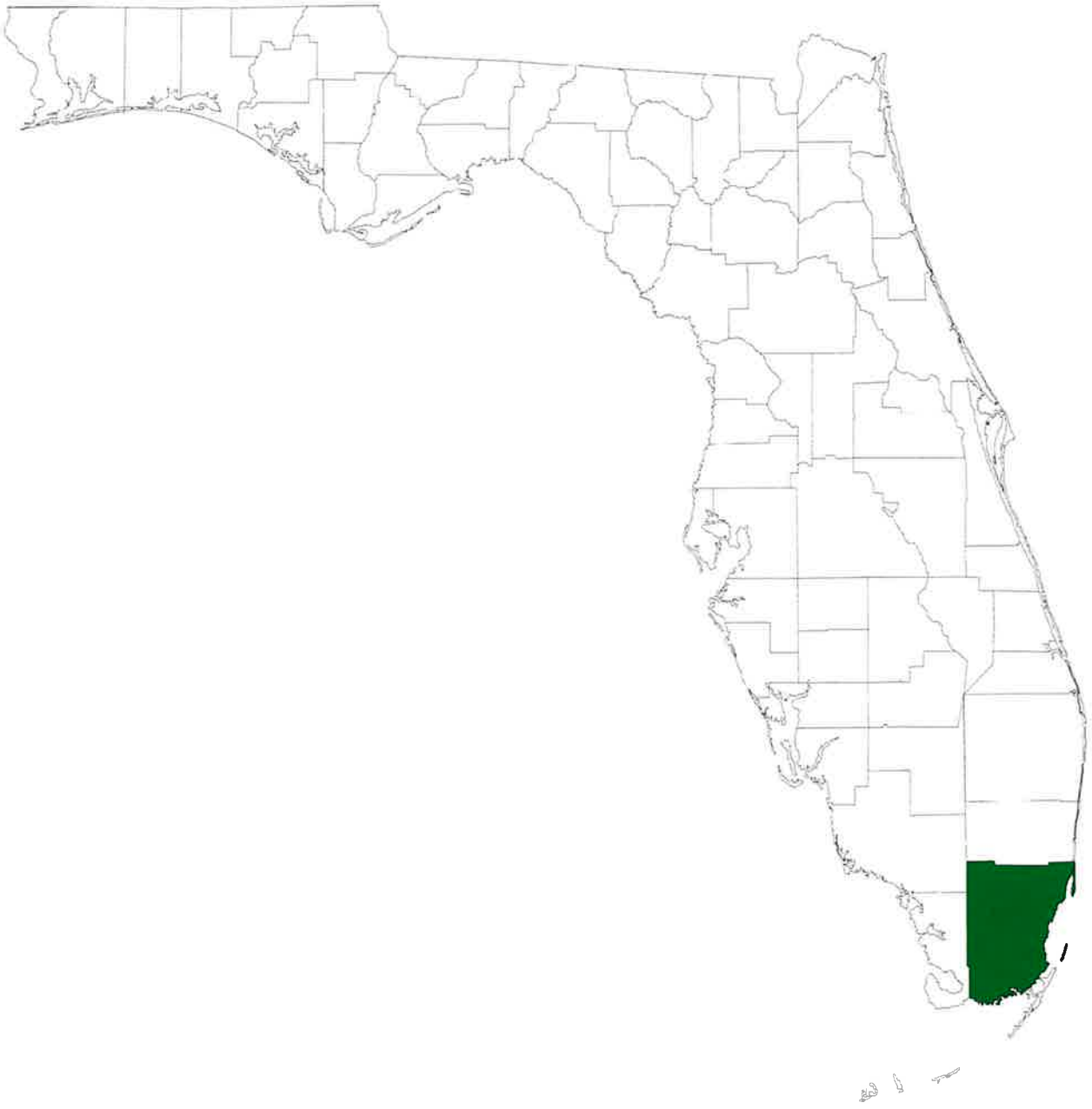
The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

NOTE: All funded activities must begin AFTER October 1st

(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

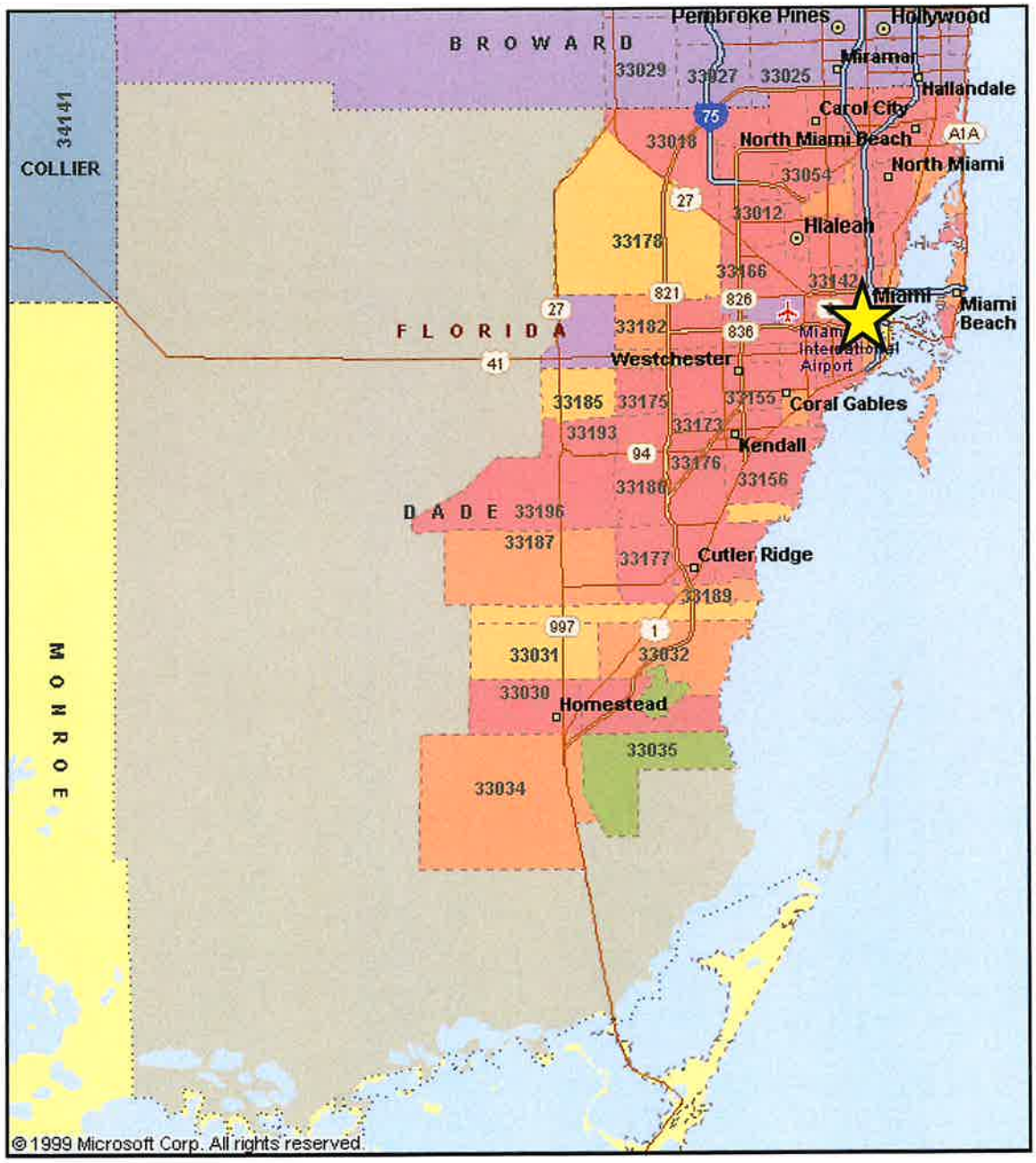
Date	Component
Months 1-4	Contract execution
Months 5-11	Procurement, bid and award for contractor
Months 12-24	Contract work, project work & completion

10. County Location Map



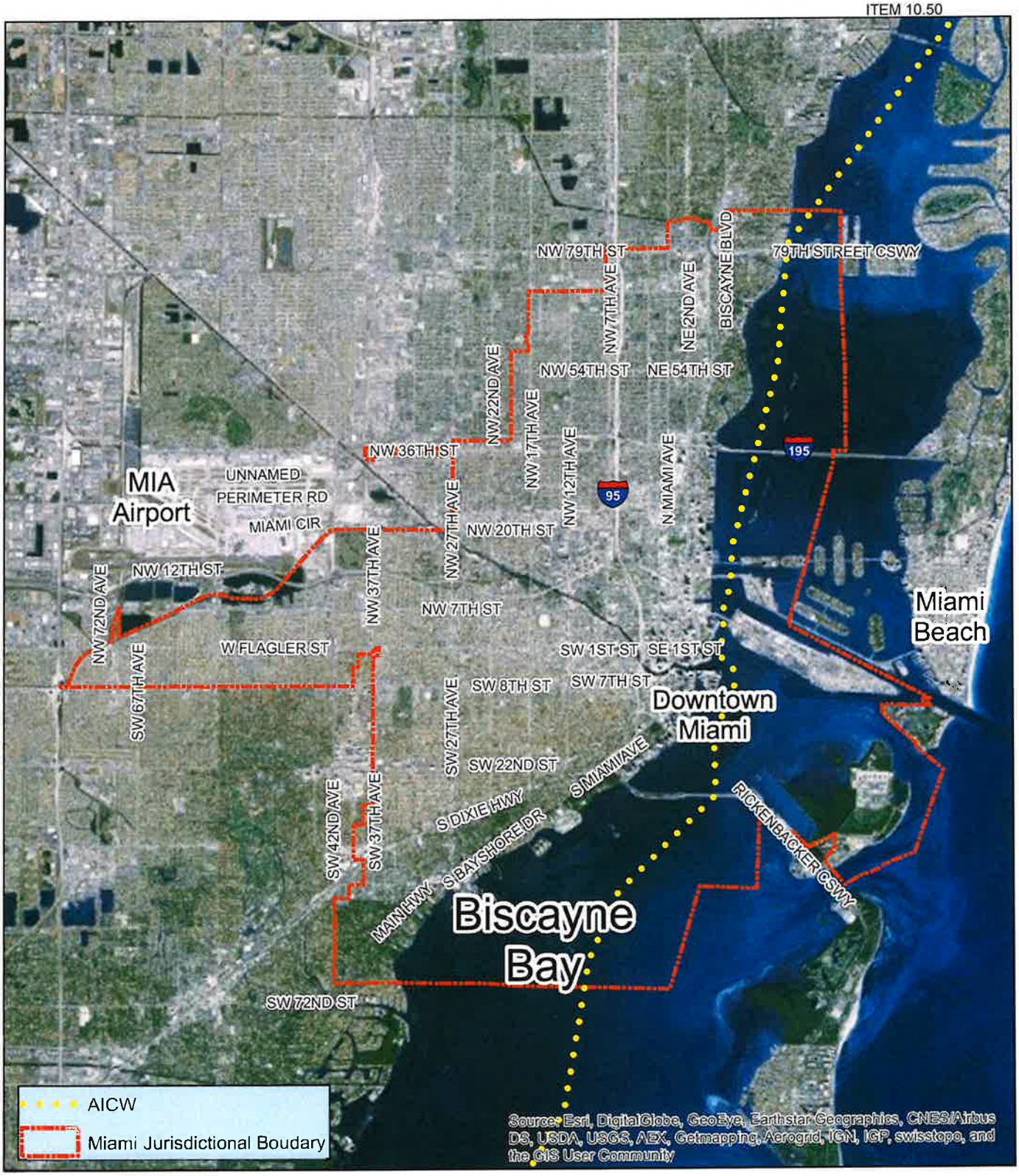
Locater Map of Miami-Dade County, 2008
Florida Center for Instructional Technology, (Tampa, FL: Florida Center for Instructional Technology, 2008)
Downloaded from *Maps ETC*, on the web at http://etc.usf.edu/maps [map #f8603]

10. City Location Map



Waterways Assistance Program

City of Miami



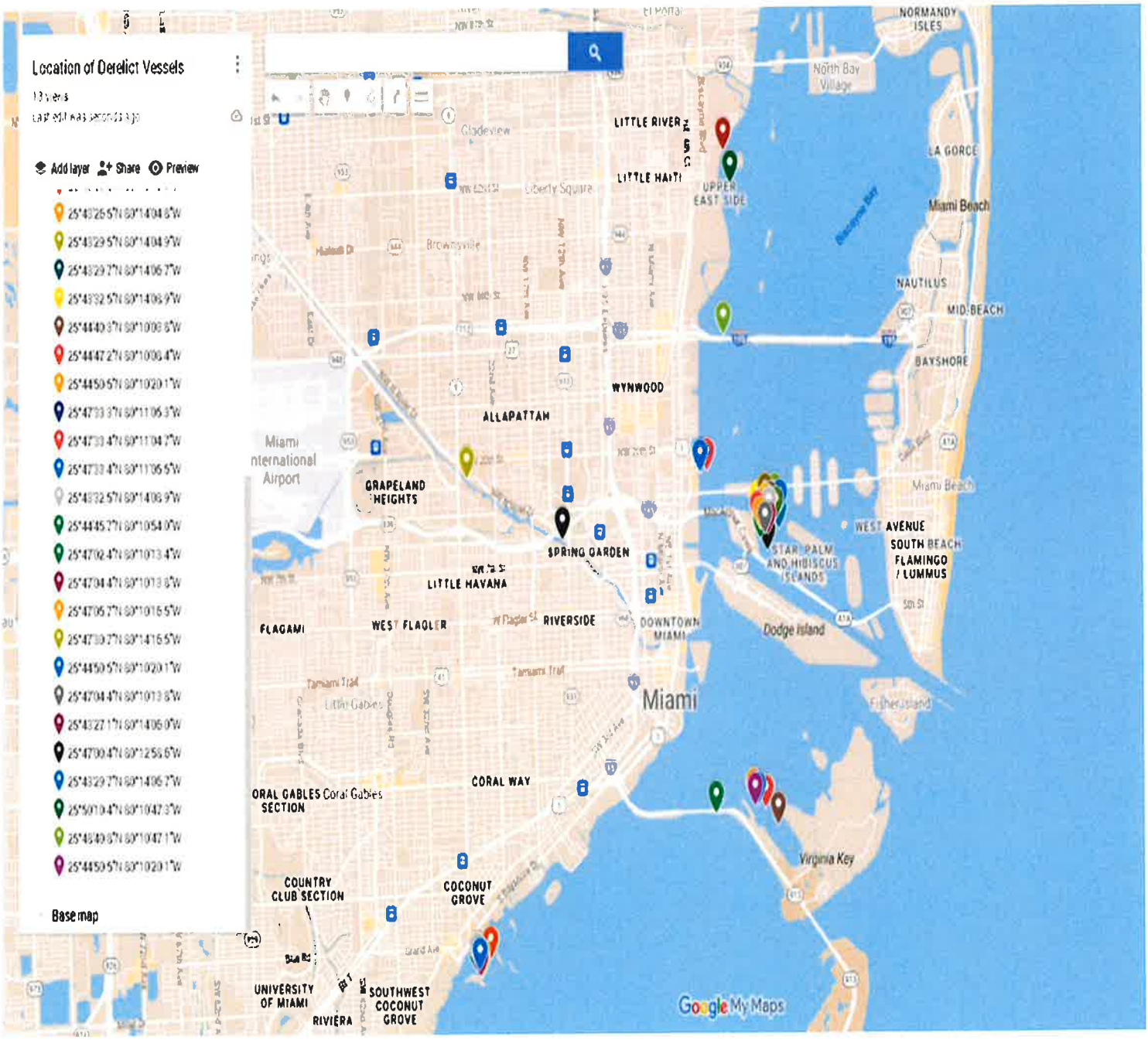
11. Project Boundary Map

City of Miami
Application: Derelict Vessel Removal

N
W E
S

Created by the City of Miami Planning Department: 3/16/2023

Miles 0 1.25 2.5 5

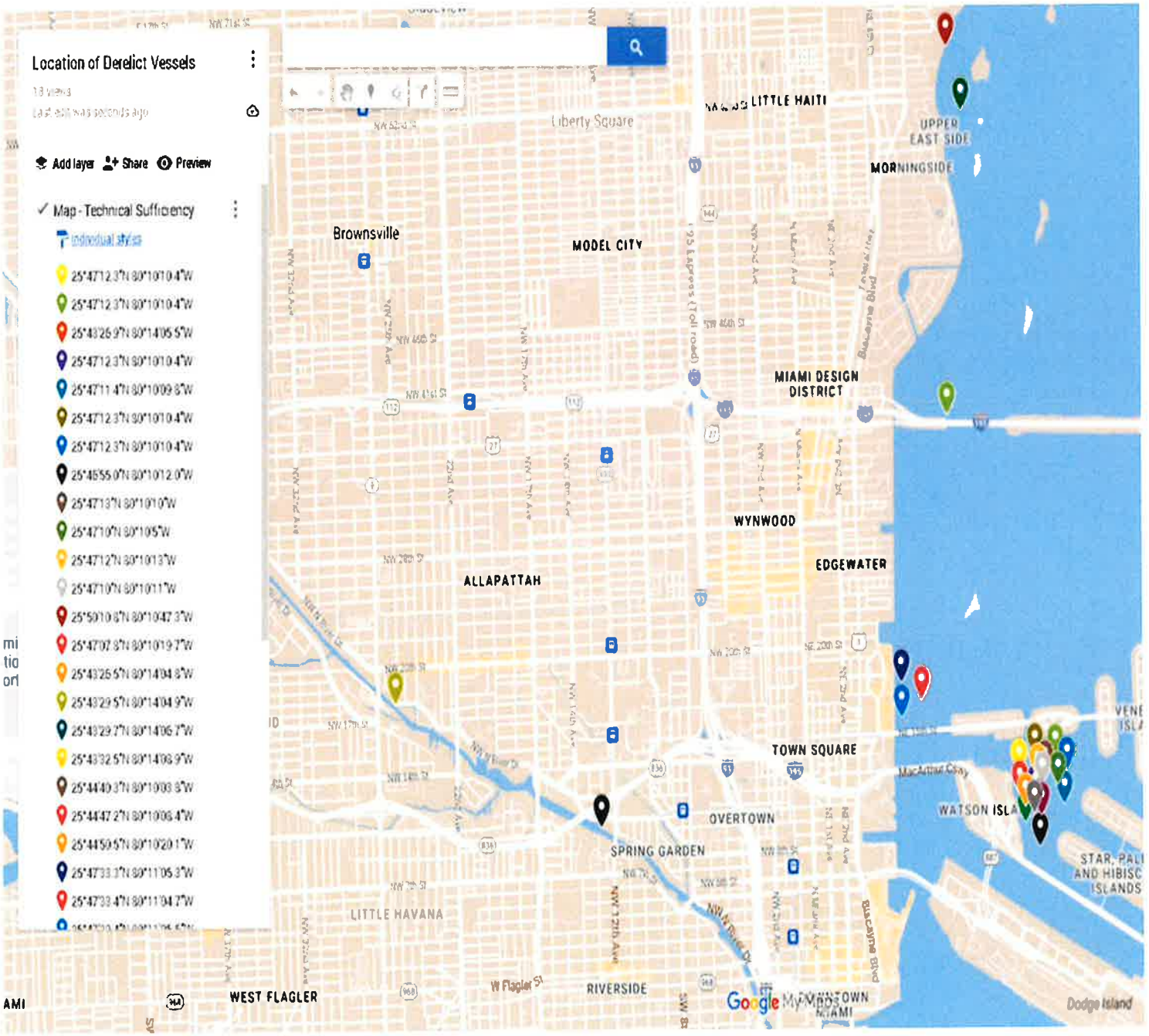


12. Site Development Map

City of Miami Application:

Derelict Vessel Removal

*Note: Derelict vessel locations on the map may be obscured behind other locations in close proximity.



12. Site Development Map (continuation)

City of Miami Application:

Derelict Vessel Removal

*Note: Derelict vessel locations on the map may be obscured behind other locations in close proximity.

2024 Current Derelict Vessels in City of Miami

Case	Registration	Status	Location	Vessel Size	Removal Cost
230830-0061625	FL8262MT	FLOATING	25°47'12.3"N/80°10'10.4"W	27 ft.+E4:E47E4:E41	$8,000
230321-0020286	FL5075PR	FLOATING	25°47'12.3"N 80°10'10.4"W	36 FOOT VESSEL	$15,000
230320-0020070	FL9185HY	FLOATING	25°47'12.3"N 80°10'10.4"W	43 FOOT SAILBOAT	$20,000
231218-00886355	FL2291KM	FLOATING	LEGION PARK	25 FOOT VESSEL	$15,000
230321-0020286	FL5075PR	FLOATING	WATSON ISLAND	36 FT FISHING VESSEL	$15,000
230504-0031951	FL0924TA	FLOATING	DINNER KEY (RAMP)	20 FT SAILBOAT	$8,000
230614-0042241	FL4972EM	FLOATING	DINNER KEY	24 FT SAILBOAT	$9,000
230614-0042251	NY3639FX	FLOATING	DINNER KEY	20 FT SAILBOAT	$8,000
230830-0061598	FL1419SY	FLOATING	DINNER KEY	26 FT SAILBOAT	$8,000
231018-0073738	FL9125HJ	FLOATING	MIAMI MARINE STADIUM	250 FT SAILBOAT	$8,000
231019-0073981	FL8204MT	FLOATING	MIAMI MARINE STADIUM	20 FT SAILBOAT	$8,000
231106-0078354	FL7226CP	FLOATING	MIAMI MARINE STADIUM	20 FT PONTOON	$7,000
231107-0078627	FL5701SJ	FLOATING	PACE PARK	31 FT CABIN	$15,000
231107-0078626	FL9615TR	FLOATING	PACE PARK	31 FT CABIN	$15,000
231107-0078625	FL8222PD	FLOATING	PACE PARK	20 FT VESSEL	$8,000
231201-0084313	FL8456KD	FLOATING	DINNER KEY	18 FT SAILBOAT	$6,000
230705-47518	FL9049GB	SUBMERGED	25°47'12.3"N/80°10'10.4"W	20 ft.	$12,000
230302-0015376	NO FL'S	SUBMERGED	25°47'12.3"N/80°10'10.4"W	30 ft.	$15,000
221102-0077221	NO FL'S	SUBMERGED	25°46'55"N/80°10'12"W	20 ft.	$8,000
231128-0083496	NO FL'S	SUBMERGED	25°47'13"N/80°10'10"W	30 ft.	$15,000
230731-0053996	ENC323120578	SUBMERGED	25°47'10"N/80°10'5"W	30 ft.	$15,000
231211-0086821	FL8693NC	SUBMERGED	25.47'12" N 080.10.13" w	31 FOOT VESSEL	$15,000
240109-0001985	FL8058MJ	SUBMERGED	25.47' 0" N 080.10'11" W	35 FOOT VESSEL	$20,000
240124-0005468	FL1123FU	SUBMERGED	RICKENBACKER CSWY	19 FOOT VESSEL	$6,000
231201-0084366	FL0414DN	SUBMERGED	WATSON ISLAND	34 FT VESSEL	$15,000
231211-0086821	FL8693NC	SUBMERGED	WATSON ISLAND	27FT CABIN	$8,000
230808-055945	NO FL'S	SUBMERGED	MIAMI RIVER (25 ave)	20 FT SAILBOAT	$5,000
240109-0001993	FL0186RD	SUBMERGED	MIAMI MARINE STADIUM	35 FT CABIN	$15,000
240109-0001985	FL8058MJ	SUBMERGED	WATSON ISLAND	35FT CABIN	$15,000
231201-0084366	FL0414DN	SUBMERGED	25.46'59" N 80.10'11" w	34 FOOT VESSEL	$15,000
231212-0087117	FL5746JR	SUBMERGED	25.46'55" N 080.10'15" W	19 FOOT VESSEL	$8,000
240129-0006838	NO FL'S	SUBMERGED	MIAMI RIVER (7TH ST)	25 FT SAILBOAT	$8,000
231201-0084357	FL1043PE	WRECKED	DINNER KEY	38 FT CABIN	$15,000
231218-0088635	FL2291KM	WRECKED	LEGION PARK	30 FT CABIN	$10,000
240104-000883	FL7089AY	WRECKED	MIAMI MARINE STADIUM	18 FT VESSEL	$3,000
240108-0001725	VA8184BN	WRECKED	JULIA TUTTLE	17 FT VESSEL	$4,000
			TOTAL		**$400,000**

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Miami			
Department: City of Miami Police Department			
Project Title: Replacement of two (2) Marine Boat Engines for Miami Police Dept.			
Project Director: Sgt. Jason Kostowic		**Title:**	Sergeant
Project Liaison: *(if different from Director)*	Lillian P. Blondet	**Title:**	Director, Grants Administration
Mailing Address:	444 SW 2nd Avenue, 5th Floor		
City: Miami		**Zip Code:**	33130
Email Address: lblondet@miamigov.com		**Phone #:**	305-416-1536
Project Address:	City of Miami Jurisdictional Waters		

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

SIGNATURE: Lillian P. Blondet DATE: 03/29/2024

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

The City of Miami Police Marine Patrol Unit is seeking funding for the replacement of two (2) marine boat engines. The Marine Patrol Unit (MPU) has 12 officers, 2 Sergeants, and 1 Lieutenant who are responsible for ensuring the safety of all residents and visitors in City of Miami jurisdictional waters, including segments of the Intracoastal Waterway (ICW). MPU also enforces laws that protect the waterways, marine life and the surrounding environment.

The current engines have reached their life expectancy of 3,000-3,500 hours per engine (see maintenance records included with application). Like the current engines, the replacement engines will be used in Yamaha 300 HP, 27 foot safe boats. Because of the increasing need for public safety in Miami waterways, MPU has raised its staff from 8 to 12 law enforcement personnel over the last two years. This project will allow MPU to maximize their coverage of the waterways and enhance public safety and protection of the environment.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Miami	**Project Title:** Replacement of two (2) Marine Boat Engines for Mi	
Total Project Cost: $ 41,000	**FIND Funding Requested:** $ 20,500	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	$20,500	
Source of Applicant's Matching Funds:	The total project cost is $41,000 with the City matching $20,500 (50%) from the City's 2025 general fund.	

1. Ownership of Project Site (check one): Own: ○ Leased: ○ Other: ◉

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

Miami Police Marine Patrol Unit will use engines in marine patrol vessels working within 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:

Yes. FIND has awarded funding for the purchase of marine patrol vessels for the Marine Patrol Unit in 2017 and in 2022.

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 waterway access within jurisdictional limits of the City of Miami, including the ICW. Currently, the Marine Patrol Unit has 12 officers and 9 patrol vessels, operating from 7:00AM to midnight, 7 days per week.

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		
DEP	N/A		
ACOE	N/A		

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Replacement of two (2) Marine Boat Engines for Miami Police Dept.
Applicant:	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.)

17. Other waterway related projects.

Drop down menu defaults to Priority#17, even though Priority #13 is selected.

b) Explain how the project fits this priority category.

This project aligns with Priority #13: Waterway boating safety programs & equipment. Marine boat engines will be replaced for the City of Miami Police Department Marine Patrol Unit. This project will allow MPU to maximize their coverage of the waterways and enhance public safety and protection of the environment.

(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 areas protected and supervised by the MPU include the ICW that runs through City jurisdictional waters. The project aligns directly with the Navigation District's mission of assisting local governments in the improvement of waterway access and safety.

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

MPU is responsible for the safety of all who travel 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)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

The project area covers City of Miami jurisdictional waters, channels, canals and the Miami River. The City of Miami not only accommodates its 439,890 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 Port Miami- the largest passenger port in the world and one of the largest cargo ports in the U.S.

b) Discuss the regional and local public benefits 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) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

There are no plans for implementing any restrictions or access to City of Miami jurisdictional waters.

(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 timeline of this project will be as follows:
Months 1-6: Contract execution.
Months 7-24: Replacement of marine boat engines.

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

No 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 including any cash match or matching grant funds.

The total project cost is $41,000. The allocation of required matching funds, not to exceed $20,500, is authorized from the Miami City Commission for the FY2025 capital budget.

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) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

No, there are no fees.

d) If there are any fees, please explain where these fees go and what they are used for. 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) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

The project is focused on public safety. 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 providing aid to other local governments. In 2023, the unit responded to 3,041 boating infractions. Incidents in 2023 included, but were not limited to, disturbance calls and other calls for service (927), loud music stops (498), written reports (427), arrest reports (324), derelict vessels logged (99), derelicts removed (52), BUI arrests (4), deceased body recovery (8) and towed vessels (165).

Replacing MPU's marine boat engines will enhance its ability to keep all who navigate City of Miami jurisdictional waters safe by responding to boating emergencies; enforcing laws that protect boaters, as well as the environment and marine life; and educating boaters on proper waterway behavior when the situation presents itself. These services positively affect our waterways including the ICW.

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

The replacement of the marine boat engines will close out the project. The Marine Patrol Unit will maintain the engines through its useful life.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

While the project is not referenced in a comp or management plan, the replacement of the marine boat engines is critical to public safety. The amount of boaters has dramatically increased, hence the number of incidents MPU responds to has also surged. Boating infractions in 2023 were 3,041 compared to 2,151 in 2022. Engine replacements are needed for the Marine Patrol Unit to increase its effectiveness in the waterways.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4C

EVALUATION WORKSHEET

LAW ENFORCEMENT & BOATING SAFETY PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 Marine Patrol Unit (MPU) is responsible for safeguarding visitors and residents in the City of Miami's jurisdictional waters which include approximately 16 miles of the ICW that run north to south. Marine Patrol Officers are responsible for the enforcement of laws to ensure public safety and the environment of the waterways, marine life and surrounding coastal lands. MPU also works with other law enforcement agencies and non-law enforcement entities such as the U.S. Coast Guard, Department of Homeland Security and Miami-Dade Department of Environmental Resources Management.

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 waterways. Millions of visitors cross our shores and use the waterways for business and pleasure. The replacement of these marine boat engines to the Marine Patrol Unit's fleet, will make sure the Unit is able to access residents and visitors in our waters including segments of the ICW and fully perform all capabilities to guarantee their safety.

(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. Jason Kostowic will oversee implementation. He has served 20 years with Miami Police with 16 years in the Marine Patrol Unit. All 12 MPU Officers have the following certifications: Advanced Police Diver Hull Searches, DHS Personal Radiation Detector Course, U.S. Coast Guard Merchant Mariner Credential & Open Water Scuba Instructor.

b) Have the personnel participated in or received state marine law enforcement training?

Yes. All Marine Patrol Officers have received state marine law enforcement training. This includes Advanced Training for Underwater Police Science and Technology from the State of Florida Commission on Criminal Justice Standards and Training. Officers in the Marine Patrol Unit have 2-16 years of experience.

(For reviewer only)
(1-2 points)

9) DELIVERABLES:

a) Describe the anticipated, long-term measurable results of implementing this project.

Replacement of boat engines will allow increased coverage of the waters and maximize deterrence of violations against laws meant to protect public safety and the environment. Long-term results include reduction of boating accident fatalities and reduction of harm to marine life. New engines will last 3,500 hours instead of having to replace the boats.

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 capacity needed to provide adequate public safety to all who access City of Miami jurisdictional waters.

For reviewer only)
(1-4 points)

10) EDUCATION:

a) What are the educational benefits (if any) of this proposed project?

Often times, people violate the law because they lack knowledge on existing water safety guidelines, or they are not aware how their action can impact marine life. When a Marine Patrol Officer gives out a warning or citation, they take the time to explain why a certain law or rule is in place. This helps spread public knowledge about water and environmental safety. Time permitting, MPU also gives school demonstrations.

b) How does the project or program provide effective public boating education or expand boater safety?

The marine boat engines will be used in safety vessels for law enforcement. Marine Patrol Officers inform the public of safety and environmental laws when administering warnings and citations.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Replacement of two (2) Marine Boat Engines for Miami Police Dept.
Applicant:	City of Miami

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Months 1-6 Contract Execution	$0	$0	$0
Months 7-24 Replacement of Engines	$41,000	$20,500	$20,500
****TOTALS =**	**$41,000**	**$20,500**	**$20,500**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

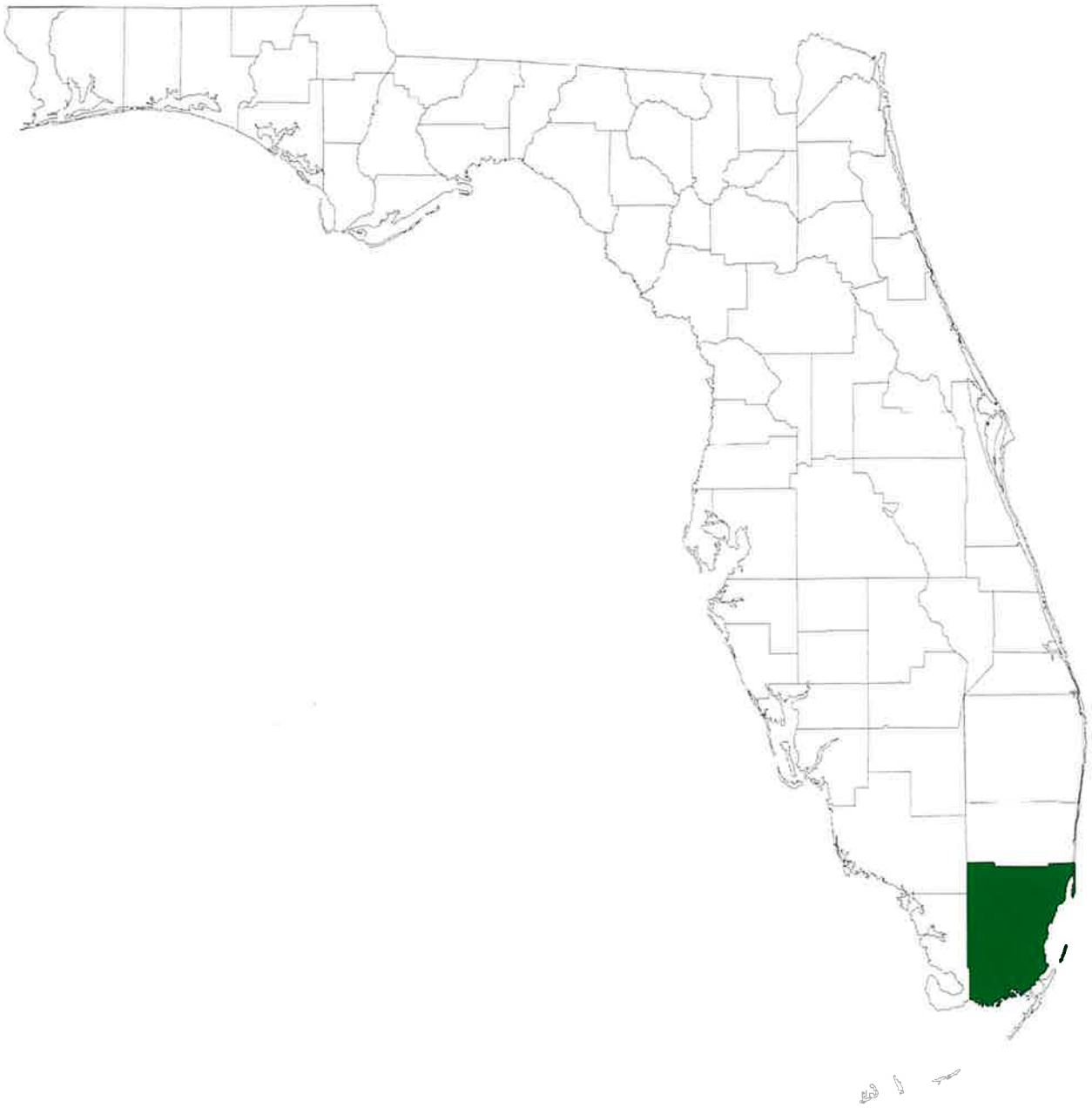
Project Title:	Replacement of two (2) Marine Boat Engines for Miami Police Dept.
Applicant:	City of Miami

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

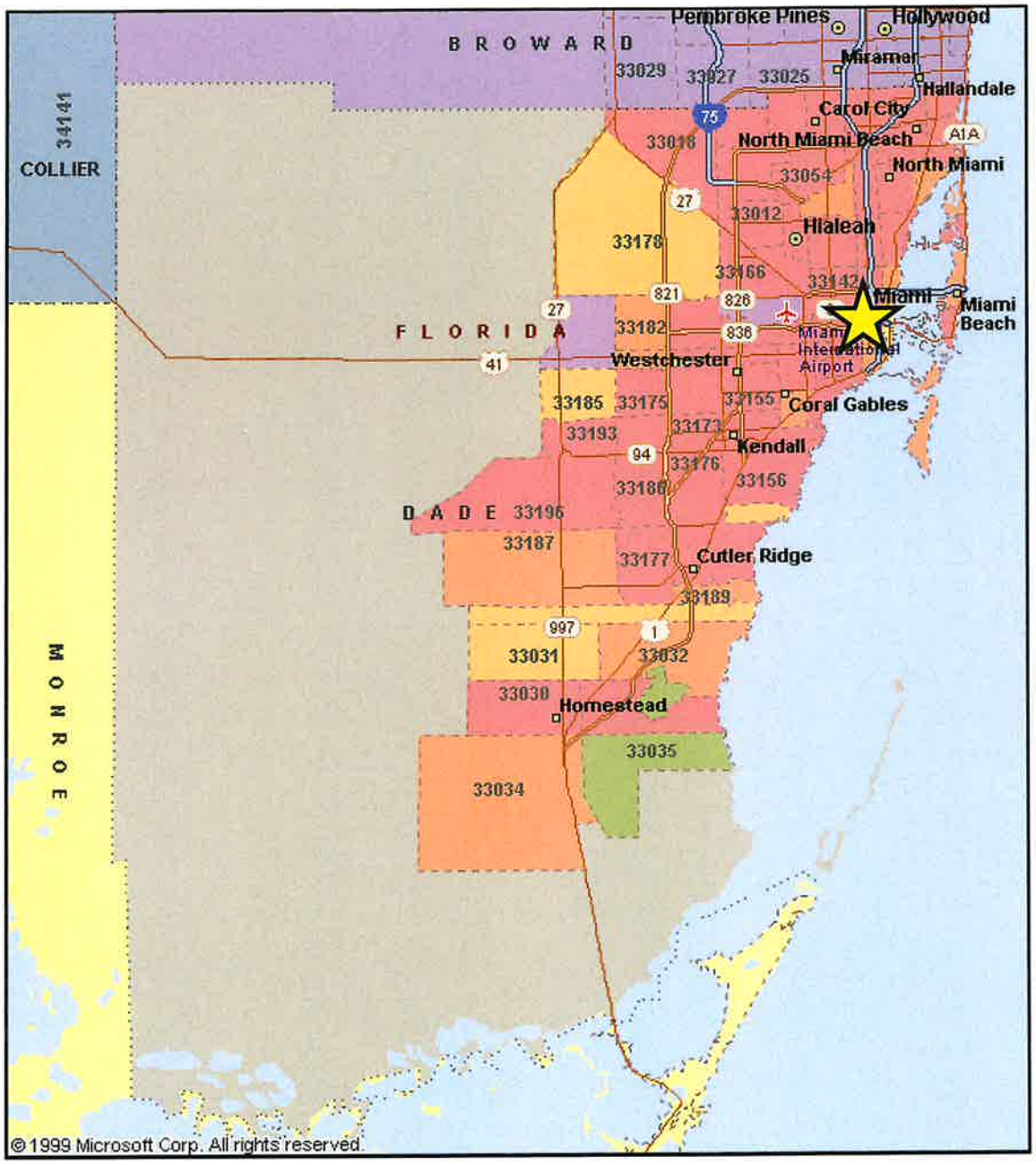
Date	Component
October 1, 2024 – March 31, 2025	Contract execution
April 1, 2025 – September 30, 2026	Order and Replacement of engines

10. County Location Map



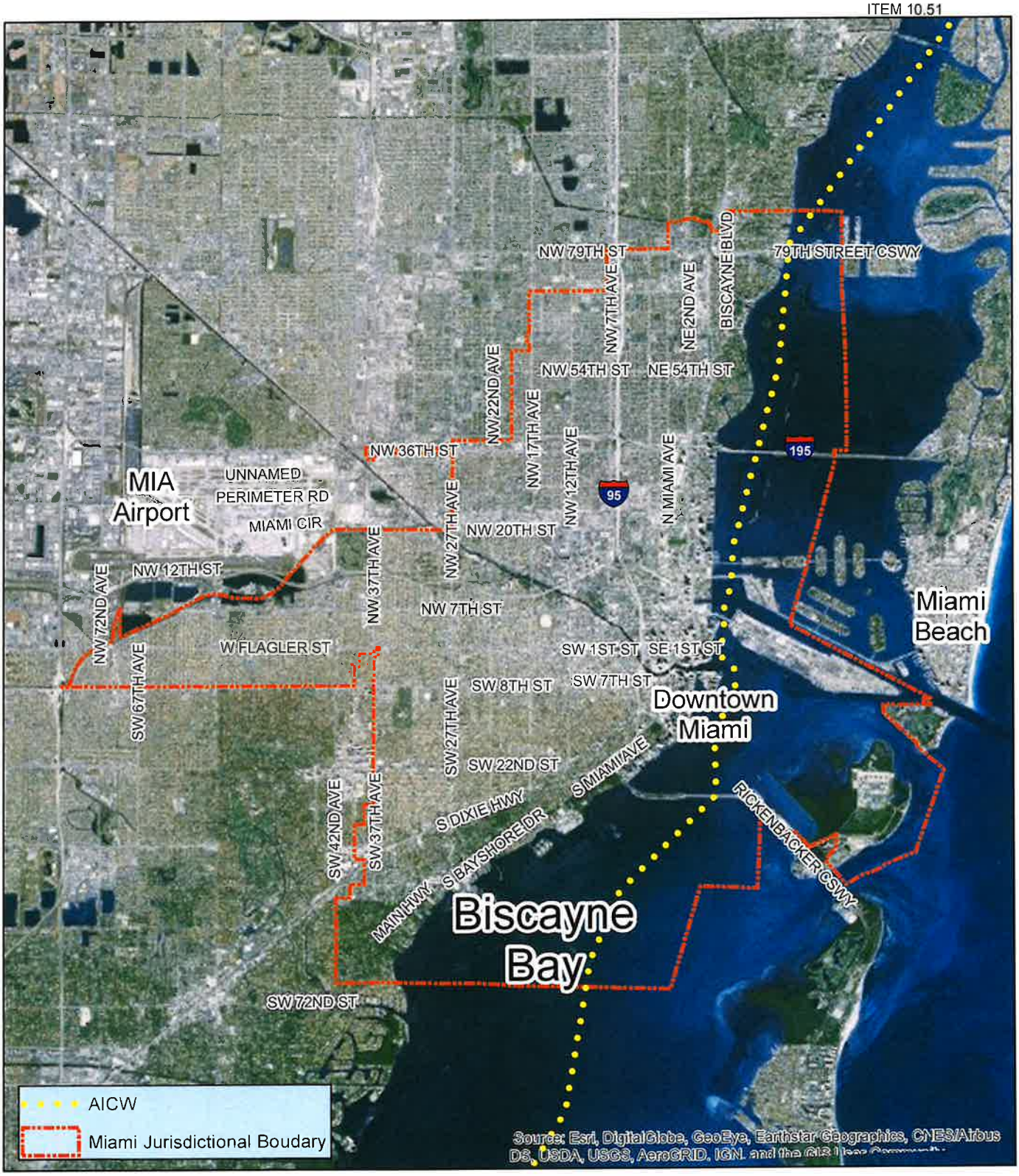
Locater Map of Miami-Dade County, 2008
Florida Center for Instructional Technology, (Tampa, FL: Florida Center for Instructional Technology, 2008)
Downloaded from *Maps ETC*, on the web at http://etc.usf.edu/maps [map #f8603]

10. City Location Map



Waterways Assistance Program

City of Miami



11. Project Boundary Map

City of Miami Application: **Replacement of two (2) Marine Boat Engines for Miami Police Dept.**

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Created by the City of Miami Planning Department

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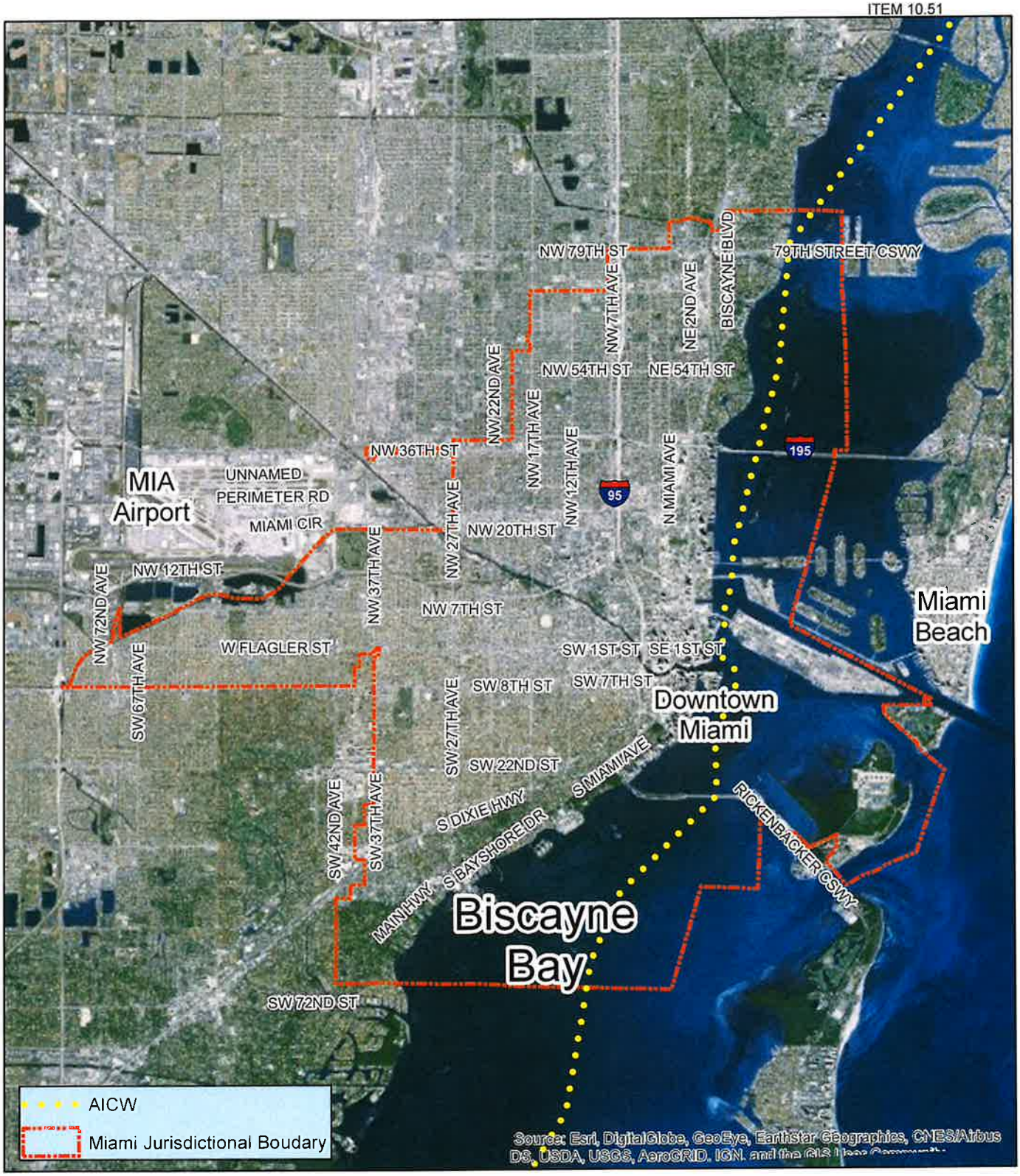

12. Site Development Plan Map **City of Miami**

Application: **Replacement of two (2) Marine Boat Engines for Miami Police Dept.**

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Created by the City of Miami Planning Department

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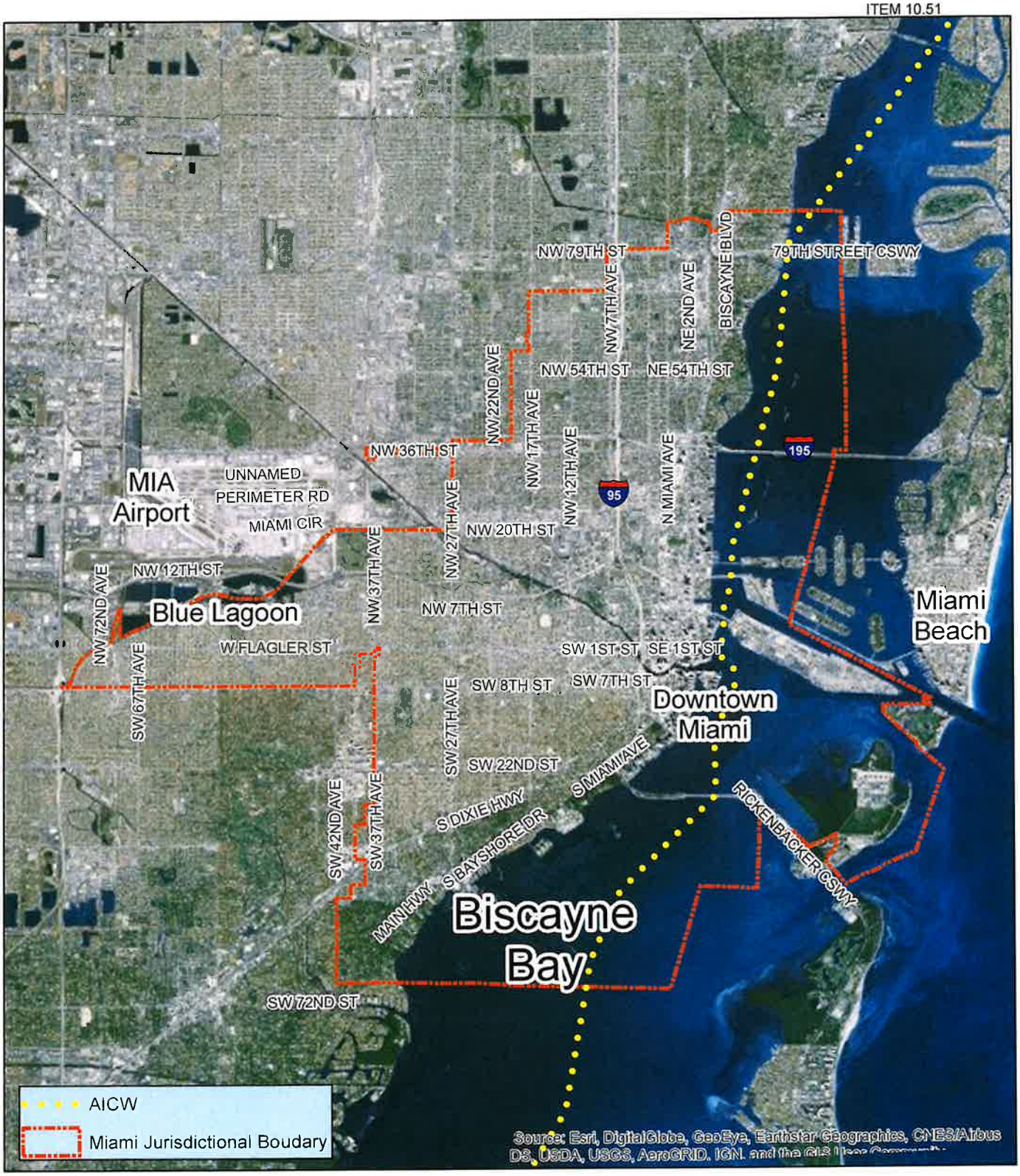

13. Coverage Area Map

City of Miami Application: **Replacement of two (2) Marine Boat Engines for Miami Police Dept**

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Created by the City of Miami Planning Department

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ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Miami			
Department: Office of Capital Improvement			
Project Title: Living Shoreline and Trails at Morningside Park – Part 2 of Phase 2			
Project Director: Keith Ng		**Title:**	Project Manager
Project Liaison: *(if different from Director)*	Lillian P. Blondet	**Title:**	Director, Office of Grants Admin.
Mailing Address:	444 SW 2nd Avenue, 5th Floor		
City: Miami		**Zip Code:**	33130
Email Address: lblondet@miamigov.com		**Phone #:**	305-416-1536
Project Address:	750 NE 55 Terrace, Miami FL 33137		

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

SIGNATURE: Lillian P. Blondet DATE: 3/29/24

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

The City of Miami seeks to revitalize Morningside Park, a key community park in the Miami's Upper East Side. Currently lacking adequate facilities, the park's renovation plans include the implementation of Phase 2 construction activities funded by FIND. This phase aims to introduce a living shoreline and 1000 feet of ADA-accessible trails, enhancing connectivity and engagement with nature at a waterway related facility. Alongside shoreline stabilization landscaping efforts, the project incorporates seating areas and solar bollard lighting, enhancing safety, waterway access and usability, particularly during nighttime hours.

This project aligns with broader objectives, including increased access to Biscayne Bay and the Intra-coastal Waterway, essential for the community's recreational needs. Additionally, it addresses concerns regarding sea-level rise, offering a proactive approach to protecting both the park and its surrounding neighborhoods. By stabilizing the shoreline and trail system, the project ensures long-term sustainability while also providing enhanced viewing points for residents to appreciate the beauty of the bay.

Ultimately, the Morningside Park revitalization initiative represents a multifaceted effort to improve the quality of life for residents in the Upper East Side. Through strategic investments in infrastructure and environmental conservation, the City aims to create a vibrant and accessible waterfront public space that fosters community engagement and enjoyment for generations to come.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3
PROJECT INFORMATION
WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Miami	**Project Title:** Living Shoreline and Trails at Morningside Park – Part 2 of Phase 2	
Total Project Cost: $ 3,573,960	**FIND Funding Requested: $** 1,681,979	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	$1,891,980	
Source of Applicant's Matching Funds:	The City of Miami is allocating matching funds in the amount of $1,891,980 (50% eligible costs). Matching funds are allocated in Capital Project #40-B40532.	

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 2016- $16,500 for Phase 1 Design and Permitting of Floating Docks at Morningside Park.
FY 2018- $87,725 for Phase 2 Construction of Floating Docks at Morningside Park.
FY 2020- $256,637 for Phase 1 Design and Permitting Baywalk, Kayak Launch, & Boat Ramp at

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 1 pier, 1 aluminum ramp, 1 floating dock, 1 boat ramp, 1 kayak launch, 16 trailer parking spaces and 1,380 linear ft. of trailway/baywalk.

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

By the end of Phase 2, Part 2 construction, there will be 1000 feet of new trails and 1000 feet living shoreline; solar lighting bollards and furniture along trails and baywalk for enjoyment of waterways.

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	No		
ACOE	No		

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Living Shoreline and Trails at Morningside Park – Part 2 of Phase 2
Applicant:	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.)

11. Public waterfront parks and boardwalks and associated improvements.

b) Explain how the project fits this priority category.

Construction of a 5' wide ADA-compliant trails along the waterfront will offer convenient access for residents and visitors alike. These trails, combined with a living shoreline and strategic plantings, will serve to safeguard against sea-level rise and erosion, ensuring the park's long-term sustainability. Additionally, the installation of furniture and lighting along the baywalk and trails will enhance public enjoyment, providing comfortable spaces for relaxation and recreation, while also improving safety during nighttime hours. This comprehensive approach not only promotes inclusivity by facilitating access for all individuals but also aims to create an inviting and resilient waterfront environment for the community to cherish and utilize for years to come.

(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.

This project supports the mission of the Navigational District by providing safe public access to the ICW. It supports the District's mission by updating and improving the shoreline to protect both the upland and submerged areas from continued degradation. The new trailway and lighting systems will increase waterways access.

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

The construction of the living shoreline and trailways will provide access to Biscayne Bay to people of all abilities. Viewing and enjoyment of Biscayne Bay will be facilitated as well as access to the waterways and the ICW. It will also promote the use of other park amenities such as kayak launch, docks and boat ramps.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

Use of the trails, living shoreline and other amenities at Moningside Park will be 100% accessible to the public. The project will serve the Upper Eastside community with an estimated population of 13,479, as well as being available to all City of Miami residents and visitors. The shoreline design will minimize the impact of flooding in the park facilitating public access the ICW.

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

The Park's proximity to Biscayne Bay provides easy access to the ICW. The Park is not restricted to local residents and welcomes all visitors. Residents from other counties in the District are also welcome at Morningside Park and will benefit from the living shoreline, trails, seating and lighting.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

No commercial access will be allowed. Only recreational boaters of motorized and non-motorized vessels will be able to utilize the site. The trails will be open to the general public.

(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.

Design & permitting is complete. Timeline for Phase 2 Part 2 construction is:
Months 1-9: FIND Contract execution, bid and award of selected a contractor.
Months 10-24: Commencement and completion of construction.

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

There are no unique aspects of the project that could influence the 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 including any cash match or matching grant funds.

The City of Miami is allocating matching funds in the amount of $1,891,980 (50% eligible costs plus unallowable administrative expenses) allocated in Capital Project #40-B40532.

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 in relation to materials utilized or specific site conditions. However, market conditions may play a factor in final pricing. All efforts will be made to garner the most cost-effective bid utilizing the City's procurement process.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

There are no fees associated with the use of this facility.

d) If there are any fees, please explain where these fees go and what they are used for. 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) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

This project is necessary to maintain the community's use of the waterfront and need for public access to Biscayne Bay and the ICW. It is also necessary to protect the project site from tidal flooding and storm surge events. Existing facilities are not sufficient since they are currently afflicted by high tides – which have degraded the stability of existing shoreline armoring infrastructure and impeded public access to the waterfront. The addition of ADA compliant trails will facilitate enjoyment of the waterfront for all visitors. Solar lighting bollard along the trails and baywalk will extend the park availability to the evening hours and increase public safety. Seating and furniture promotes viewing enjoyment of the waterways.

Once Part 1 and Part 2 of the Morningside Project are completed, the community will be afforded maximum use of the waterfront and all residents and visitors will have free public access to Biscayne Bay and the AICW.

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

This Phase 2 project is part 2 of a two-part construction project. The City of Miami through its Parks and Recreation Department will manage and operate Morningside Park upon completion of the construction of Part 1 & 2 of Phase 2. Operations and maintenance funding is allocated through the City's annual budget process.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

The project is part of the City of Miami Parks Master plan, which recommends providing residents with more access to the waterways. The living shoreline aligns with Ordinance 13114 "Waterfront Design Guidelines"(e.g. rehabilitate the shoreline where applicable, shoreline provides access to water and minimizes pollution from stormwater, create a waterfront that can absorb and dissipate wave energy); and Resilient 305 Strategy (e.g. integrate resilience).

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 environmental permits are required since all the work is conducted on the upland side of the park. Only the City of Miami Building Dept. permit will be required.

b) If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.

This is Part 2 of Phase 2 improvements to Morningside Park. The total project cost for Phase 2 Part 1 ($9.4 million) and Part 2 ($3.5 million) is estimated at $12.9 million.

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

Not applicable.

(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?**

Phase 1 design is at 100% completion. Building Department permit is expected to be issued April/May 2024.

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 living shoreline will serve as a protective barrier against natural hazards while enhancing water quality through contaminant filtration. The trails will provide proximity to waterways, complemented by lighting for evening access. The design ensures optimal public access, addressing current limitations and enhancing coastal park experiences.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

In Phase II, standard construction techniques will involve materials that are well suited to South Florida's weather conditions. For the placement of the living shoreline, excavation will be done from the upland. The trailways will consist of coarse sand mixed together with an eco-friendly binder in a manner that it provides sufficient bonding while maintaining a porous medium to allow water to percolate to the ground. The material, binder and construction techniques are unique and require special installation techniques that may increase the project cost.

b) What is the design life of the proposed materials compared to other available materials?

Typically, the material and bonding agent for the trails are expected to last at least 20 years with routine maintenance to ensure integrity of the material. The living shoreline will be routinely maintained to protect the natural habitat of plants and animals living in this shoreline.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The shoreline improvements are climate adaptive and take into consideration future sea-level rise. Per regulations, the shoreline improvements will be strengthened to prevent shoreline deterioration and uplands erosion due to storm surge. The new trails meanders around existing and new trees to minimize impacts and allows for an increased tree canopy to reduce the heat island effect. Solar lighting bollards will be installed along the trailway and baywalk.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

The new shoreline design will result in optimal resistance against shoreline erosion and acts as wave attenuator. Thereby, increasing the ability to withstand natural disasters & improve resiliency against sea level rise.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Living Shoreline and Trails at Morningside Park – Part 2 of Phase 2
Applicant:	City of Miami

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
General Conditions and Mobilization	510,280.00	255,140.00	255,140.00
Baywalk & Trail Site Furniture	126,500.00	63,250.00	63,250.00
Baywalk and Trail Lighting	1,245,000.00	622,500.00	622,500.00
Living Shoreline	964,445.00	482,223.00	482,222.00
Trail	517,734.00	258,867.00	258,867.00
Ineligible City Admin Fees	210,000.00	210,000.00	0.00
****TOTALS =**	**$ 3,573,959.00**	**$ 1,891,980.00**	**$ 1,681,979.00**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

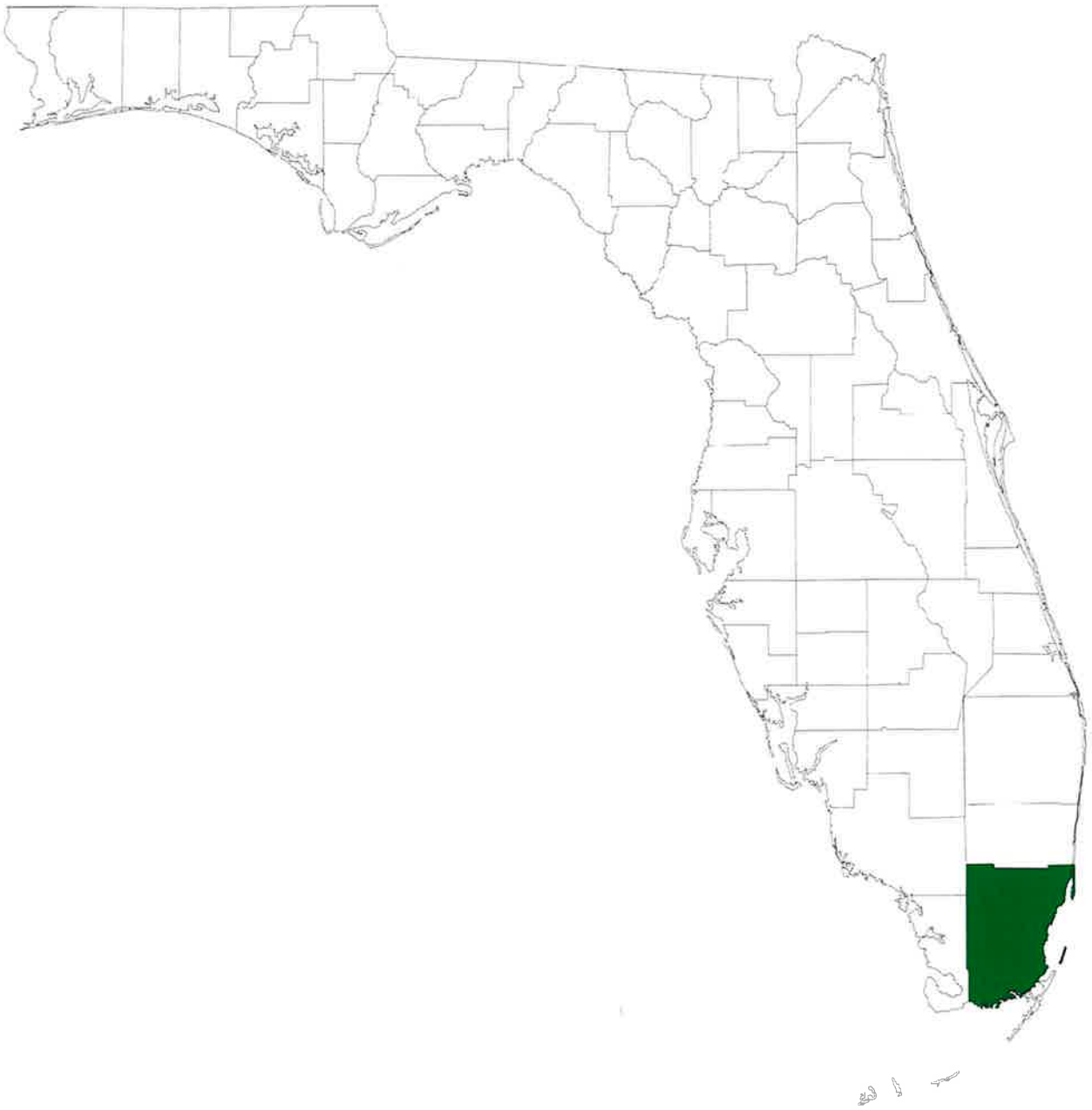
Project Title:	Living Shoreline and Trails at Morningside Park – Part 2 of Phase 2
Applicant:	City of Miami

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

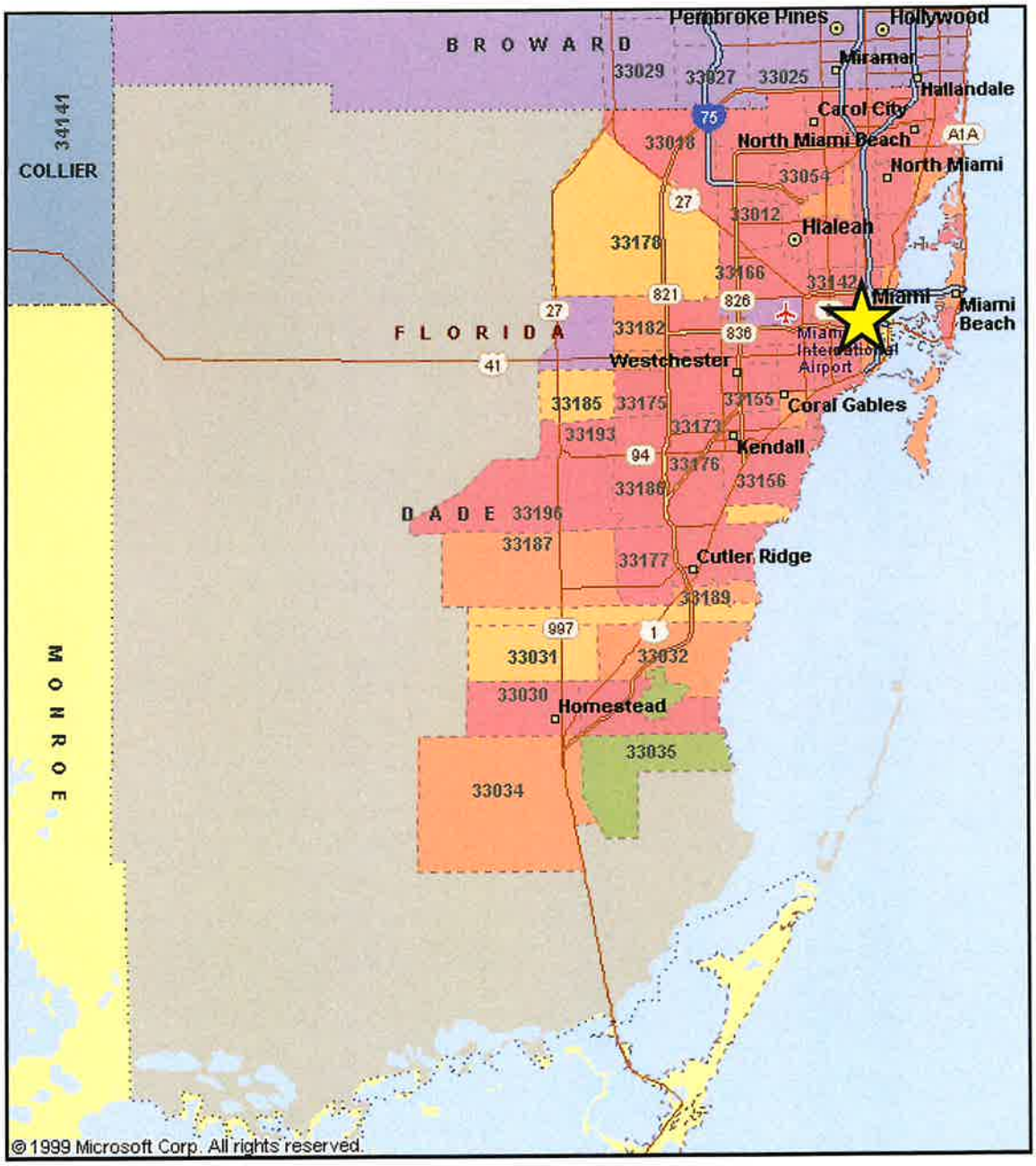
Date	Component
October 2024 - March 2025	Agreement Execution
October 2024 - June 2025	Bid and Award of Selected Contractor
July 2025 - September 2026	Start & Completion of Construction

10. County Location Map



Locater 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



Waterways Assistance Program

City of Miami



11. Boundary Map

City of Miami

Application: **Morningside Park – Phase 2 Part 2– Living Shoreline & Trails at Morningside Park**

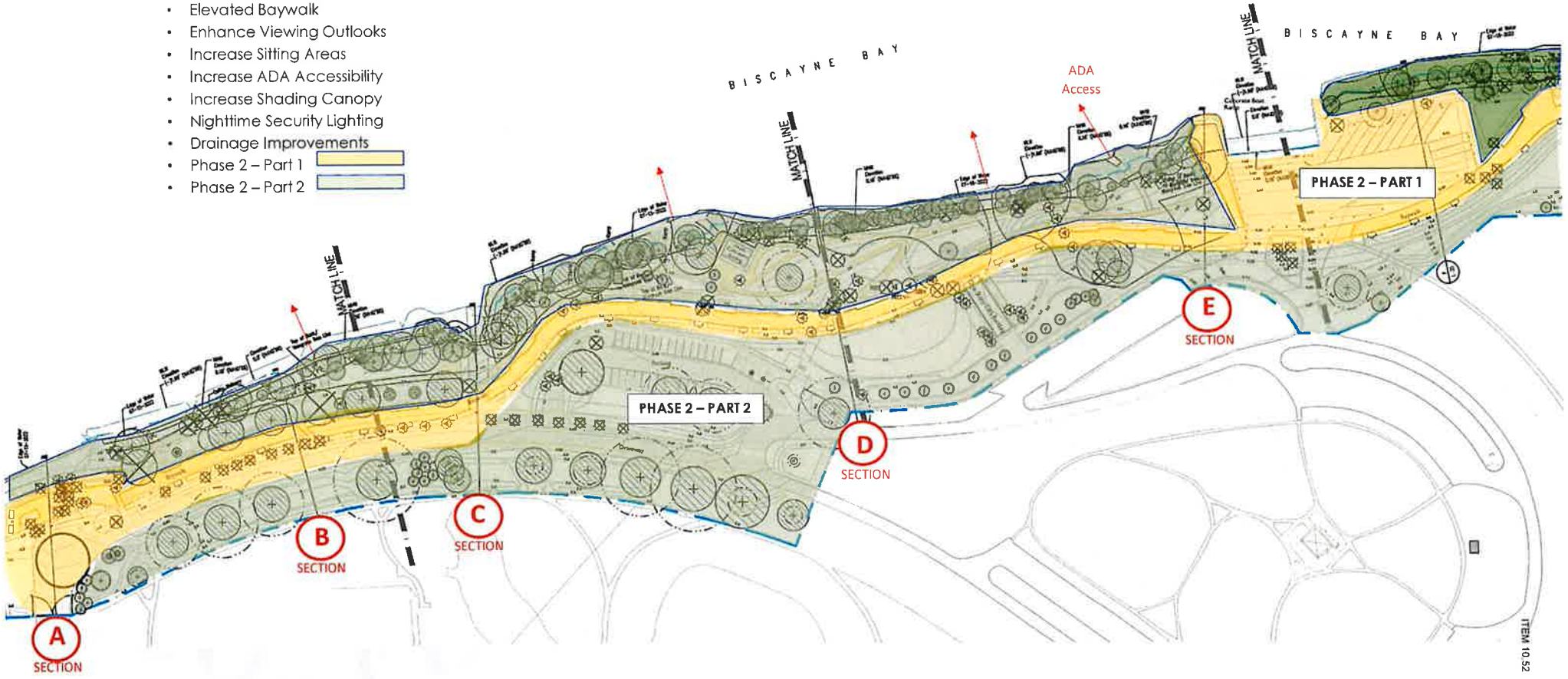
12. SITE DEVELOPMENT MAP:

Morningside Park Part 2 of Ph2
Living Shoreline and Trails

BAYWALK/LIVING SHORELINE FINAL LAYOUT

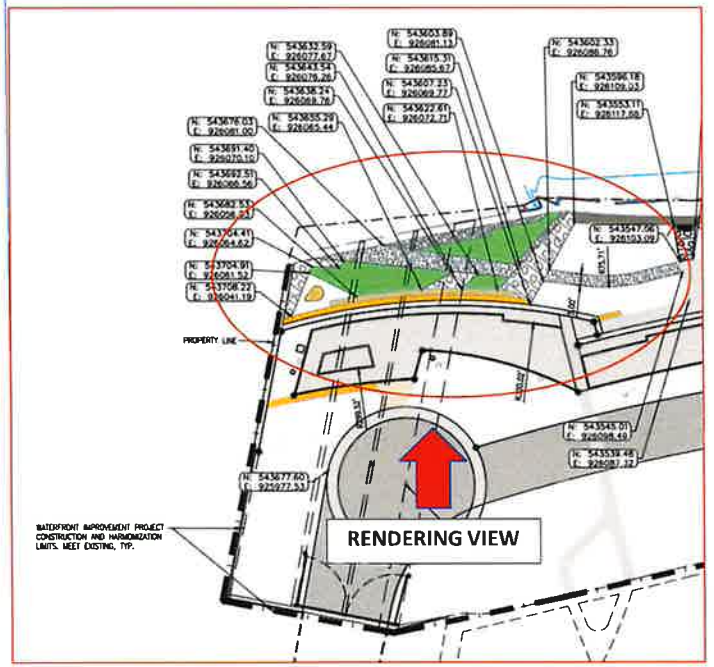
Proposed Design Criteria from Community Workshop Feedback:

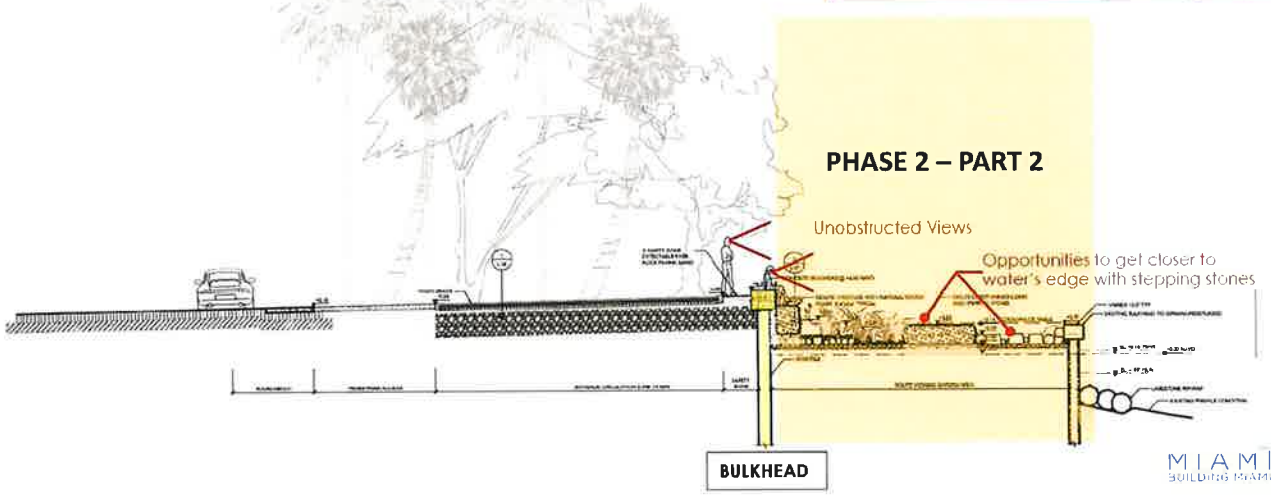
- Sustainability and Resiliency
- Stabilize 5'Soft Trailways
- Increase Trailways
- Elevated Baywalk
- Enhance Viewing Outlooks
- Increase Sitting Areas
- Increase ADA Accessibility
- Increase Shading Canopy
- Nighttime Security Lighting
- Drainage Improvements
- Phase 2 – Part 1
- Phase 2 – Part 2



SECTION A

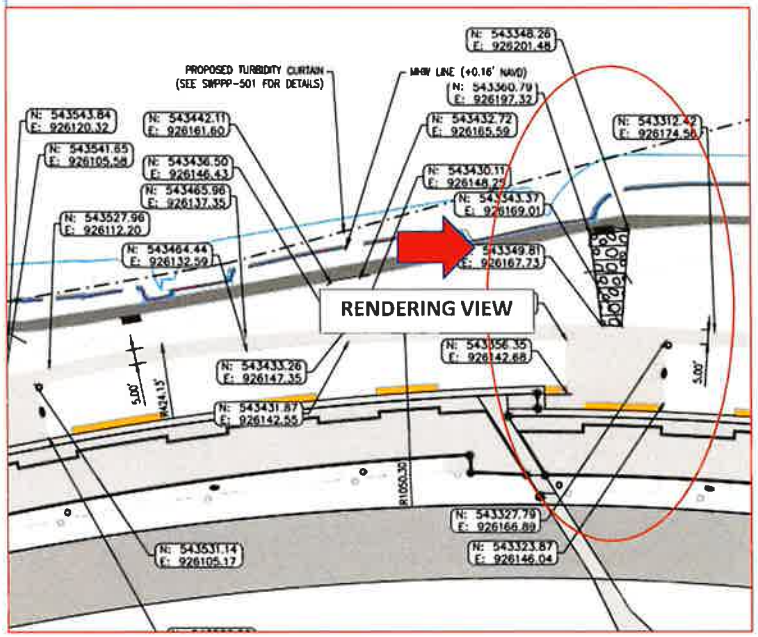

Existing

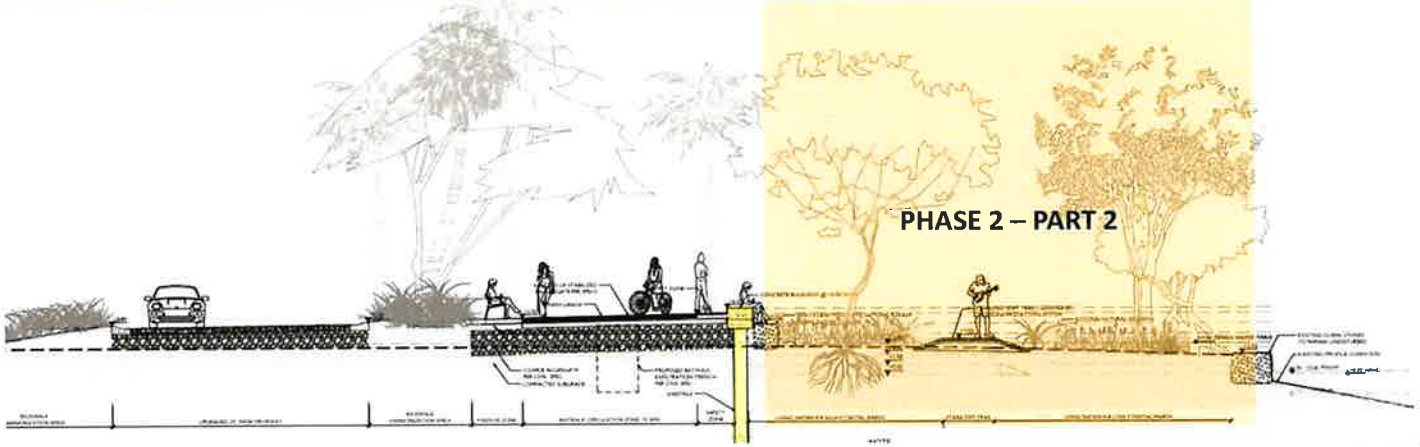

PROPERTY LINE
WATERFRONT IMPROVEMENT PROJECT CONSTRUCTION AND HARMONIZATION LIMITS. MEET EXISTING, TYP.
RENDERING VIEW


PHASE 2 – PART 2
Unobstructed Views
Opportunities to get closer to water's edge with stepping stones
BULKHEAD

SECTION B

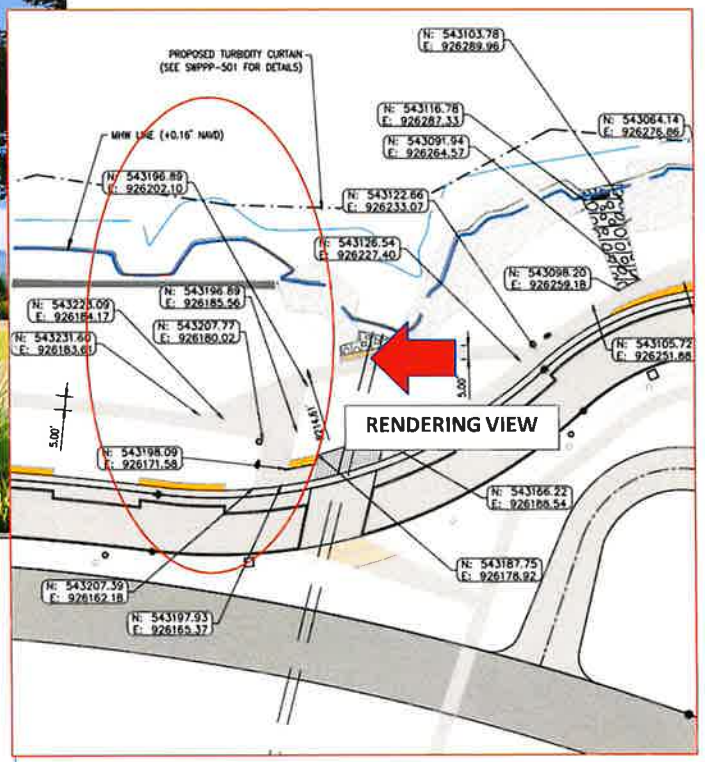

Existing
• Enhance Viewing
• Raised 5.5' NAVD Walking Path
• ADA Accessibility to Water Edge
• Sodding


PROPOSED TURBIDITY CURTAIN
(SEE SWPPP-501 FOR DETAILS)
MHW LINE (+0.16' NAVD)
RENDERING VIEW


PHASE 2 – PART 2
BULKHEAD

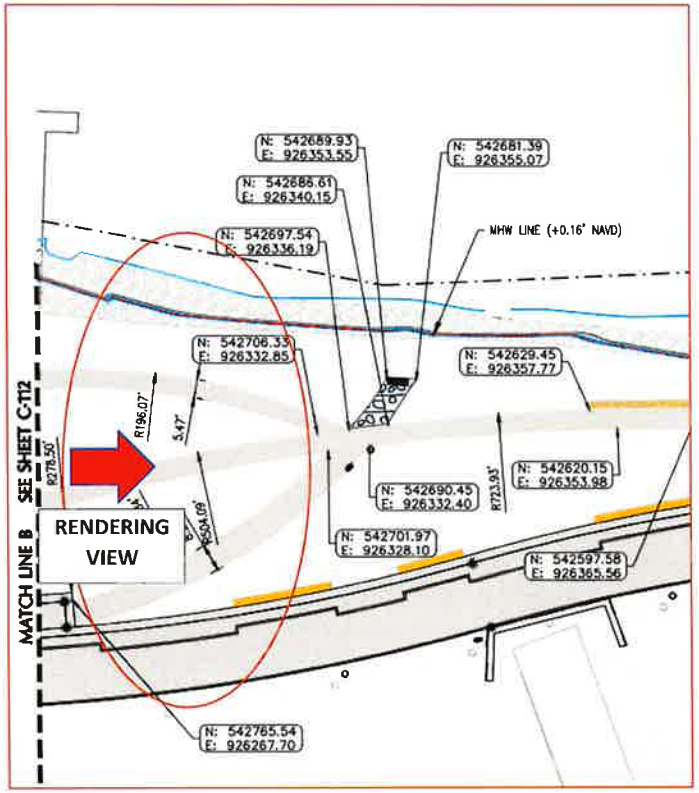
SECTION C

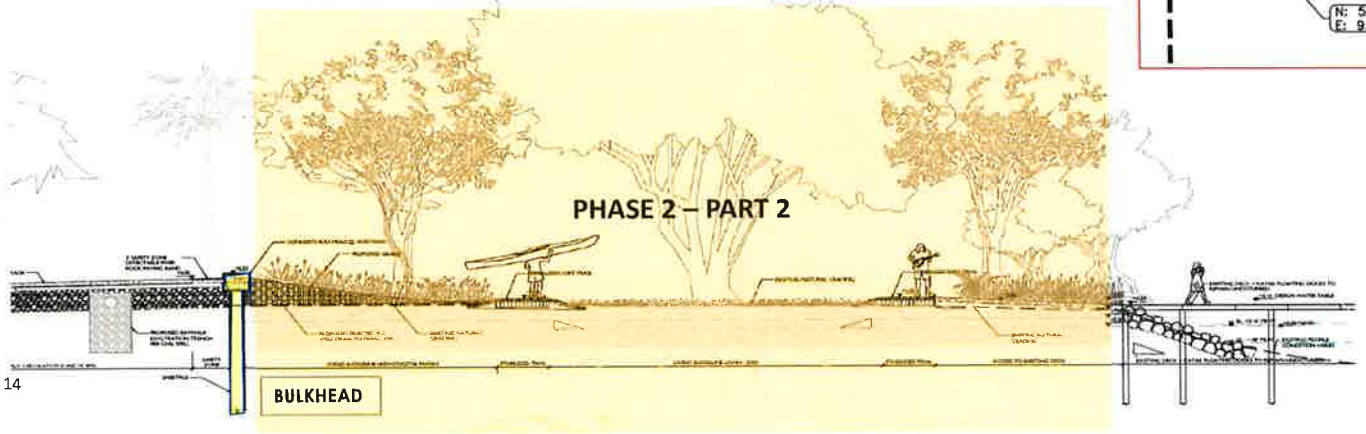



PROPOSED TURBIDITY CURTAIN
(SEE SWPPP-501 FOR DETAILS)
MHW LINE (+0.16' NAVD)
N: 543103.78
E: 926289.96
N: 543116.78
E: 926287.33
N: 543084.14
E: 926276.86
N: 543091.64
E: 926264.57
N: 543196.89
E: 926202.10
N: 543122.66
E: 926233.07
N: 543126.54
E: 926227.40
N: 543098.20
E: 926259.18
N: 543196.89
E: 926185.56
N: 543223.09
E: 926184.17
N: 543207.77
E: 926180.02
N: 543231.60
E: 926183.65
N: 543105.72
E: 926251.66
5.00'
5.00'
RENDERING VIEW
N: 543198.09
E: 926171.58
N: 543166.22
E: 926188.54
N: 543187.75
E: 926178.92
N: 543207.39
E: 926162.18
N: 543197.93
E: 926165.37

SECTION D

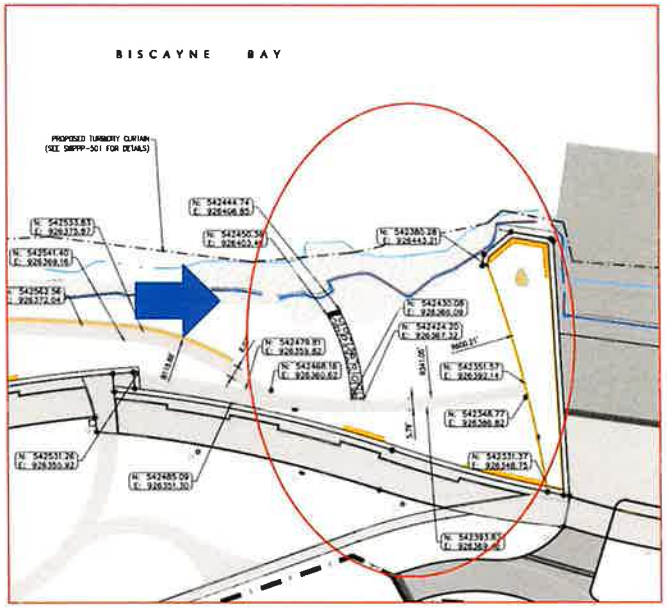

Existing

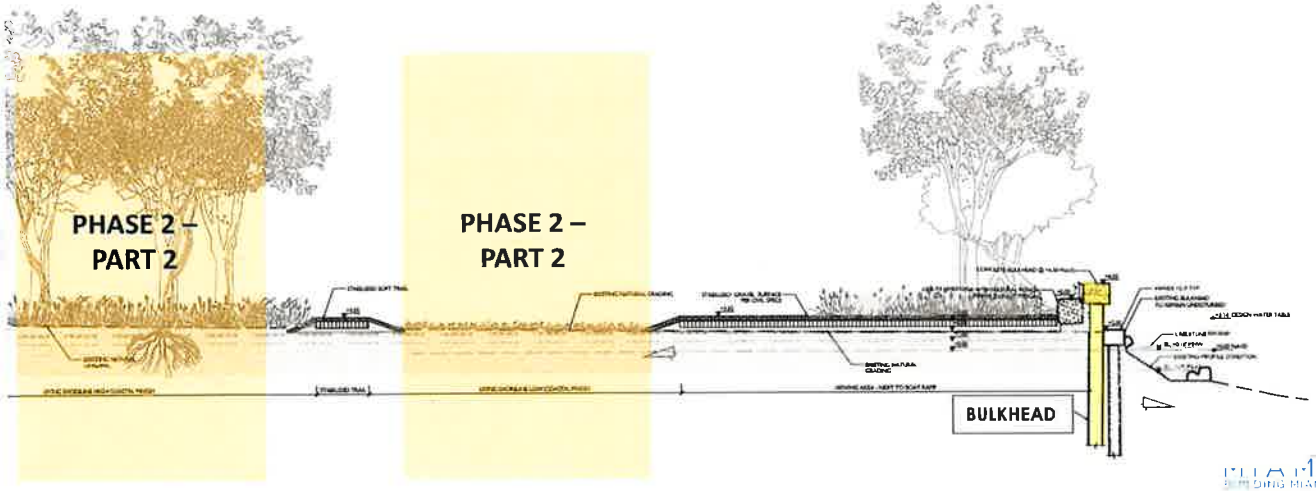

N: 542689.93
E: 926353.55
N: 542681.39
E: 926355.07
N: 542686.61
E: 926340.15
MHW LINE (+0.16' NAVD)
N: 542697.54
E: 926336.19
N: 542706.33
E: 926332.85
N: 542628.45
E: 926357.77
R196.07'
5.47'
R278.50'
SEE SHEET C-112
MATCH LINE B
RENDERING VIEW
N: 542690.45
E: 926332.40
N: 542620.15
E: 926353.98
R723.93'
R504.09'
N: 542701.97
E: 926328.10
N: 542597.58
E: 926365.56
N: 542765.54
E: 926267.70


PHASE 2 – PART 2
BULKHEAD

SECTION E


Existing


BISCAYNE BAY
PROPOSED TURBIDITY CURTAIN
(SEE SWPPP-501 FOR DETAILS)


PHASE 2 –
PART 2
PHASE 2 –
PART 2
BULKHEAD

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: Miami-Dade County			
Department: Miami-Dade County Parks, Recreation and Open Spaces Department			
Project Title: Herbert Hoover Marina - Fire Suppression Phase II			
Project Director: Joe Cornely		**Title:**	Assistant Director Planning, Design & Construction
Project Liaison: *(if different from Director)*	Dorothy Mills-Mayers	**Title:**	Grants Supervisor
Mailing Address:	275 NW 2nd Street, Suite 553		
City: Miami		**Zip Code:**	33128
Email Address: Dorothy.Mills-Mayers@miamidade.gov		**Phone #:**	305-755-7856
Project Address:	9698 SW 328 Street Homestead, Florida 33033		

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

SIGNATURE: _____ DATE: 3/19/2024

Jimmy Morales, Chief Operations Officer

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

The proposed application request to Florida Inland Navigation District, Waterways Assistance Program grant funding opportunity encompasses the replacement of the Fire Line suppression system at Herbert Hoover Marina at Homestead Bayfront Park.

This project entails construction to convert the fire suppression system at the Herbert Hoover Marina to a total freshwater system to reduce future maintenance cost. The fire suppression system replacement includes the installation of waterline, fire tank and pumps station - inclusive of the fire protection, mechanical, electrical, Supervisory Control and Data Acquisition (SCADA) to supply and monitor the entire fire suppression system.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: Miami-Dade County	**Project Title:** Herbert Hoover Marina - Fire Suppression Phase II	
Total Project Cost: $5,533,450.00	**FIND Funding Requested:** $2,338,644.00	**% of Total Cost:** 50%
Amount of Applicant's Matching Funds:	$3,194,806.00 is the construction match funds for the replacement of the current fire line system. This amount is inclusive of all cost not eligible under FIND rules.	
Source of Applicant's Matching Funds:	Funding will be provided by the Miami-Dade Countywide Infrastructure Invest Plan (CIIP).	

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, the previous projects funded at Herbert Hoover Marina at Homestead Bayfront Park are listed on **Addendum #1 to E-3.**

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 there are 5 boat ramps docks, 10 launch lanes with 261 trailer parking spaces with 178 wet slips and 30 dry storage areas. In addition to boater amenities which include fish cleaning station, lease operated fuel, bait, tackle shop and restaurant with meeting rooms.

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

   Not applicable, the proposed project will replace the existing Fire Suppression System.

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

****If yes, <u>please attach additional documentation</u> of fees and how they compare with fees fromsimilar public & private facilities in the area.**

Please see Addendum #2 to E-3 for the 2022-2023 Miami-Dade County Boat Slip and Launch Fee Survey.

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		

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ADDENDUM #1 TO ATTACHMENT E-3

2024 PREVIOUS FIND FUNDING

HERBERT HOOVER MARINA AT HOMESTEAD BAYFRONT PARK



GRANT NAME	GRANT NUMBER	GRANT AMOUNT
Homestead Bayfront Park Shoreline Stabilization	96-41	$50,000
Homestead Bayfront Park Marina Navigational Improvements Phase I	02-75	$50,000
Homestead Bayfront Channel Markers Re-Location	05-92	$56,150
Homestead Bayfront Marina Wet Slip Renovations	15-193	$205,000
Homestead Bayfront Marina Boat Ramp Piers Phase I	16-209	$75,000
Homestead Bayfront Marina Boat Ramp Piers Phase II	19-241	$567,200

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

DIRECTIONS:
All applicants will complete questions 1 through 6, and then based on the type ofproject, 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.

Project Title:	Herbert Hoover Marina - Fire Suppression Phase II
Applicant:	Miami-Dade County Parks Recreation and Open Spaces

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 theproject elements.**
~~The priority list category which best aligns with the proposed project is **#13 Waterway Boating Safety Programs & Equipment.~~**
7. Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities.

b. **Explain how the project fits this priority category.**
According to the national standard which states that the construction and operation of marinas, boatyards, yacht clubs, boat condominiums, docking facilities associated with residential condominiums, multiple-docking facilities at multiple-family residences, and all associated piers, docks, and floats shall comply with the National Fire Protection Association (NFPA) 303 and Section 28. This code mandates that all support facilities and structures used for construction, repair, storage, hauling and launching, or fueling of vessels if fire on a pier would pose an immediate threat to these facilities, or if a fire at a referenced facility would pose an immediate threat to a docking facility must provide Fire protection, Portable extinguishers, and fixed Fire Extinguishing systems. The proposed projects align with this national, state and local standard ensuring that boaters have access to this lifesaving equipment.

Max. Available Score for application 47

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

2. WATERWAY RELATIONSHIP:

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

Florida's Statewide Comprehensive Outdoor Recreation Plan, recognizes 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 the development of waterway improvement projects such as the proposed project to renovate and improve the marina's facilities for recreational boating.

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

The construction of the fire suppression system at the Herbert Hoover Marina will be converted to a total freshwater system which will reduce future maintenance cost. The fire suppression system replacement includes the installation of waterline, fire tank and pumps station. This is inclusive of fire protection, mechanical and electrical upgrades. This project will serve to improve recreational opportunities at this site.

(For reviewer only)
(1-6 points)

3. PUBLIC USAGE & BENEFITS:

a. Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

The number of boat launches from Herbert Hoover Marina at Homestead Bayfront Park is approximately 19,584 within the last 12 months, this estimate is based on revenue received for launch fees. The marina includes a total of 178 wet slips with an average wet-slip utilization of 101% with some months being as high as 103%.

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

Herbert Hoover Marina at Homestead Bayfront Park provides immediate access to the Intracoastal Waterway and serves as a gateway to its residents and visitors. Miami-Dade County Parks, Recreation and Open Spaces Department recognizes that outdoor recreation is a public responsibility to be met and are committed to providing continuous development efforts in waterway improvement projects. This project seeks to improve Herbert Hoover Marina's public access and usefulness of the marina for recreational boating purposes.

c. Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

Miami-Dade County's Marina Operation Permit (MOP) is for recreational boat use and restricts any commercial operations from all boat ramps.

(For reviewer only)
(1-8 points)

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4. TIMELINESS:

a. Describe current status of the project and present a reasonable and effectivetimeline for the completion of the project consistent with Attachment E-6.

The proposed project for Herbert Hoover Marina Fire Suppression System Phase II, is in the dry run process and construction is due to commence after October 1, 2024. Refer to Project Timeline – Attachment E6

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

There are no unique aspects currently known that would hinder 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 including any cash match or matching grant funds.

Funding sources to be utilized to complete Herbert Hoover Marina Fire Suppression Phase II includes the FIND funding request of $2,338,644.00 estimated at 50% of FIND's allowable total project cost. Additionally, serving as a match is funding from the Countywide Infrastructure Investment Program (CIIP) Fund for $3,194,806.00. This amount has been allocated for this project and includes the requested 50% match requirement as well as project costs which are not eligible for FIND reimbursement.

b. Identify and describe any project costs that may be increased because of the materialsutilized or specific site conditions.

The project is adjacent to the Intracoastal Waterway and excavation efforts may increase construction costs due to dewatering sea water intrusion.

c. Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

Please see Addendum #2 to E-3 for the fees associated with the use of this facility.

d. If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, inthe project area.

All revenue earned by Herbert Hoover Marina is used for the operation and maintenance of the marina.

(For reviewer only)
(1-6 points)

6. PROJECT VIABILITY:

a. Why is the project necessary and what need will it fill? Why are existing facilitiesinsufficient to meet demand?

The fire suppression system is over 30 years old and is past its useful life. It is needed for public safety and protection of life and property.

b. Clearly demonstrate how the project will continue to be maintained and funded after funding iscompleted.

Funding for capital improvement projects comes from the Coastal Park and Marina Trust Fund, Addendum #1 to Attachment E-4. Routine maintenance is performed by a life-cycle program and facility staff (trade technicians) are paid from the annual budget of Coastal Parks and Marinas. A Statement of Revenues and Expenses of the last five years for Herbert Hoover Marina is attached in Addendum #2 to Attachment E-4.

c. Is this project referenced or incorporated in an existing maritime management, public access or comp plan?

Not Applicable

(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

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 permits were submitted to USACE, DEP and WMD. All agencies have responded that permits are not necessary for this project.

b. **If the project is a Phase I project, please provide a general cost estimate for the futurePhase II work.**

This is a Phase II Project with an estimated total cost of $5,533,450.00.

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

Not Applicable, all agencies have responded that permits are not necessary for this 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?

Yes, the design work is complete.

b. Are there unique beneficial aspects to the proposed design that enhance publicusage or access, minimize environmental impacts, improve water quality or reduce costs?

The project will significantly increase the preparedness of the fire protection system on site, thus increasing public safety and protection of property using a total freshwater system.

(For reviewer only)
(1-2 points)

9. CONSTRUCTION TECHNIQUES:

a. Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs.If a Phase 1, elaborate on potential techniques.

The water and fire water utilities will be constructed via a combination of traditional open trench excavation and trenchless horizontal directional drilling (HDD). HDD installation is included wherever possible in an effort to reduce the dewatering costs as much as possible. Plastic piping (PVC for open cut, HDPE for HDD installation) has been selected due to the corrosion potential created by saltwater intrusion. The steel fire water storage tank will have a special protective coating to extend the life of the tank due to the corrosive salt water that is present at the site.

b. What is the design life of the proposed materials compared to other available materials?

With proper maintenance, the buried water and fire water utilities, protective coating the fire water storage tank has a projected for a usable life of up to 100 years. The fire water pumps have an usable life of up to 40 years.

(For reviewer only)
(1-3 points)

10. ENVIRONMENTAL COMPONENTS:

a. How has the facility where the project is located demonstrated commitment toenvironmental compliance, sustainability, and stewardship?

As a responsible steward, Miami-Dade County invests in waterway cleanup, beach restoration, and nourishment for the protection of Herbert Hoover coastal ecosystem in compliance with Florida Statute 161.161. Additionally, Herbert Hoover Marina is certified by FDEP as a Clean Marina, implementing environmental best practices to protect Florida's waterways.

b. What considerations, if any, have been made for sea level rise impacts in the designand life span of this project?

The design has been completed in close coordination with the findings of the "Sea Level Rise Roadmap and Action Plan Report" prepared for the Homestead Bayfront Park (May 2021).

The fire water storage tank and fire water pump house structures are both designed to have a finished floor elevation approximately 9.0 feet and 6.5 feet above the ground surface elevation, respectively.

The 9.0 feet above ground surface elevation provided for the fire water storage tank is 1 foot above the projected year 2100 king tide elevation. This elevation is also partially determined by required system hydraulics.

The 6.5 feet above ground surface elevation provided for the fire water pump house is approximately 0.5 feet above the projected 2080 king tide elevation, in accordance with the expected useful life of the fire pump house facility.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

[See Rule Section 66B-2.005 & 2.008 for eligibility and funding ratios]

Project Title:	Herbert Hoover Marina - Fire Suppression Phase II
Applicant:	Miami-Dade County Parks, Recreation and Open Spaces Department

Project Elements *(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)*	**EstimatedCost**	**Applicant'sCost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Base Construction	$ 5,533,450.00	$ 3,194,806.00	$ 2,338,644.00
****TOTALS =**	**$ 5,533,450.00**	**$ 3,194,806.00**	**$ 2,338,644.00**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Herbert Hoover Marina - Fire Suppression Phase II
Applicant:	Miami-Dade County Parks, Recreation & Open Spaces Department

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

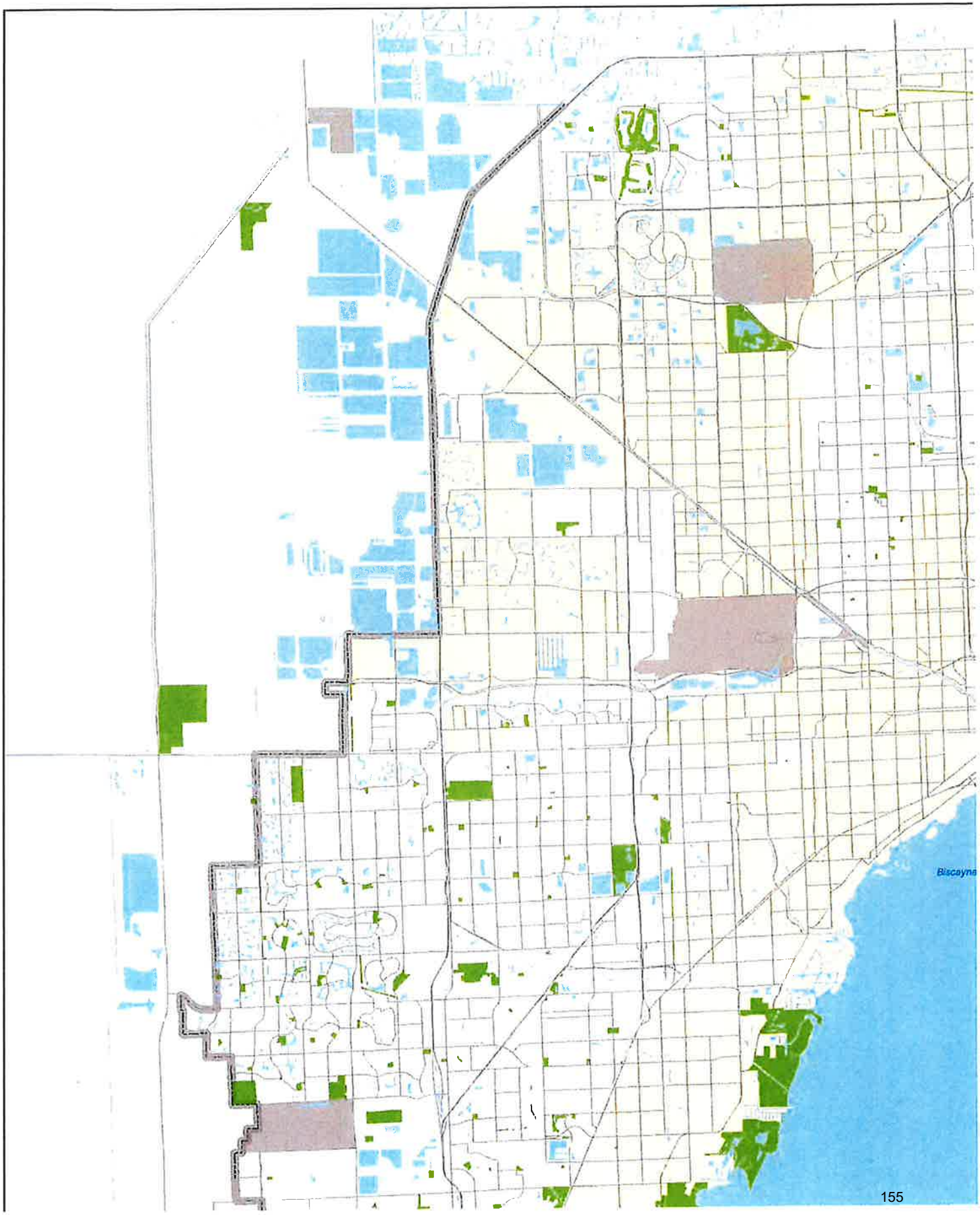
Date		**Component**
COMMENCES	**CONCLUDES**	**TASK**
October 1, 2024	April 30, 2026	**Construction**

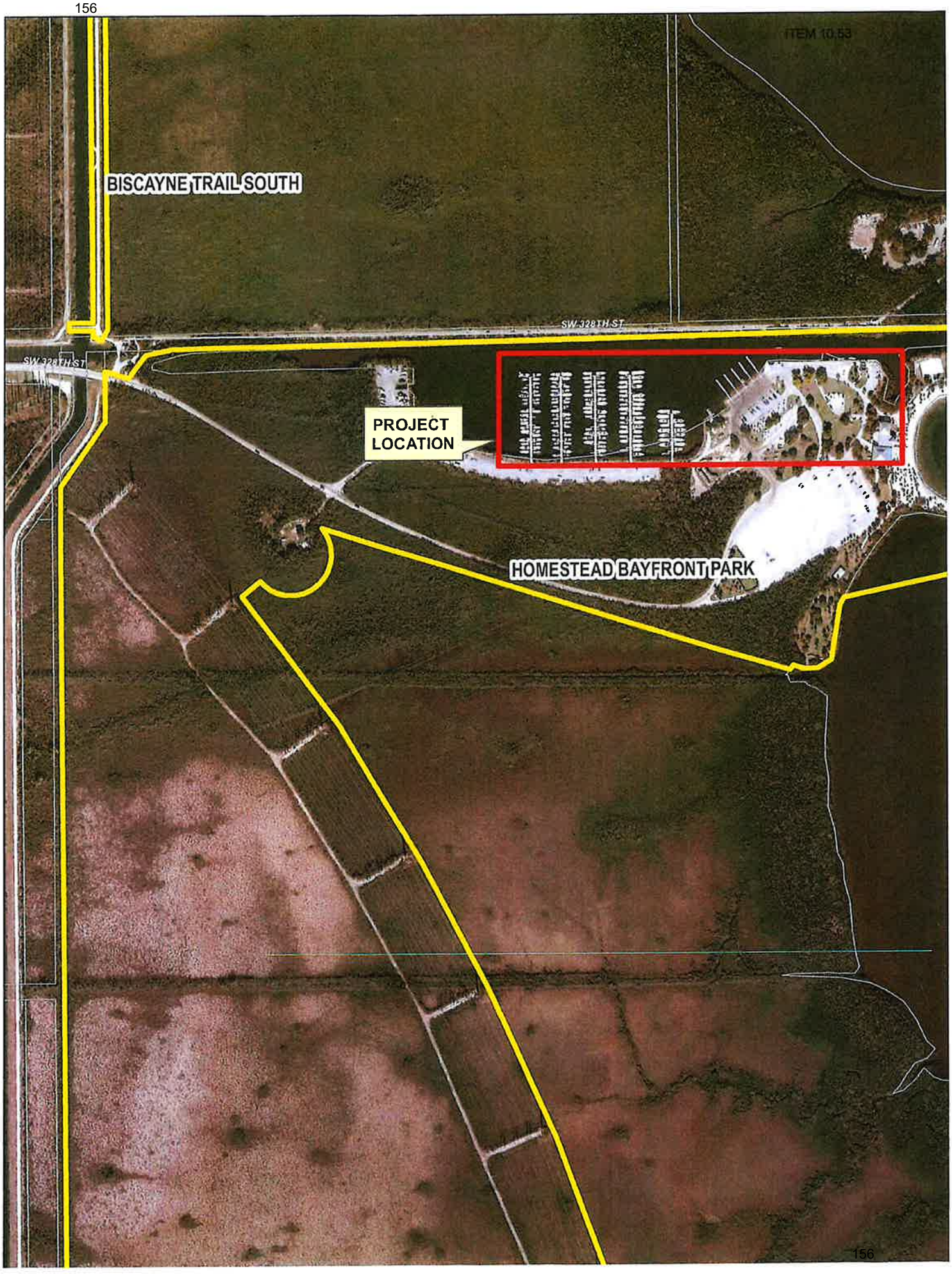
FIND Form 96-10 (effective date 04-15-07)

MIAMI-DADE COUNTY

PARKS, RECREATION AND OPEN SPACES

LOCATIO




ITEM 10.53
BISCAYNE TRAIL SOUTH
SW 328TH ST
SW 328TH ST
PROJECT LOCATION
HOMESTEAD BAYFRONT PARK

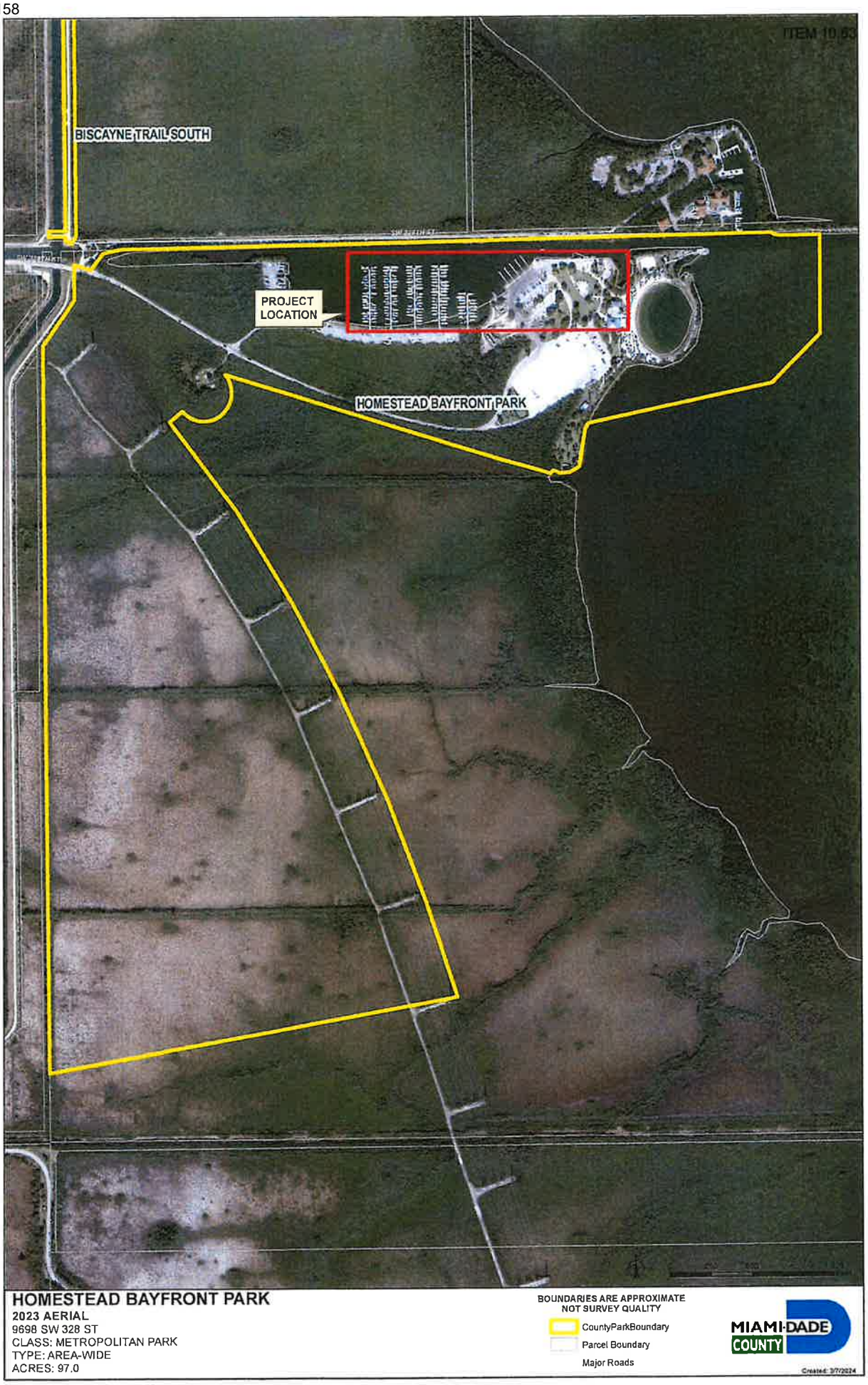
Stanley Consultants INC.

Computed by: Michael Colby
Checked by: Kate Despinoy
Approved by: Joe Burmeister

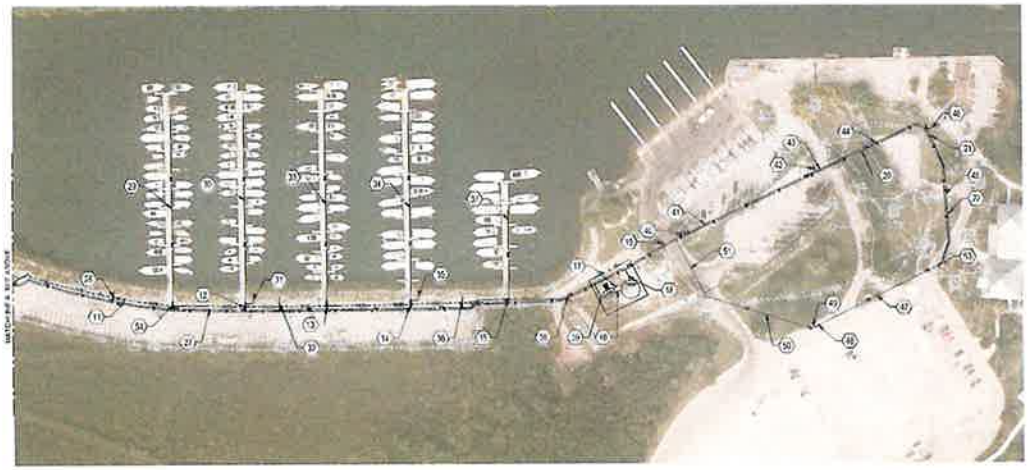
Date: 28-Sep-21
Revised: 2-Sep-23
Date: 4-Sep-23
Date: 5-Sep-23

Project No. 29963.01
Subject: Homestead Fire Line Quantity Takeoff
Page: 1 of 1

Item No.	Item	Quantity	Units	Unit Price	Total Price
1	Mobilization	1	LS	$ 100,000	$ 100,000
2	Traffic Control	1	LS	$ 50,000	$ 50,000
3	Erosion and Sediment Control	1	LS	$ 15,000	$ 15,000
4	As Built Drawings	1	LS	$ 7,500	$ 7,500
5	Demolition	1	LS	$ 25,000	$ 25,000
6	8" PVC SDR 25 Pipe (Open Cut)	3,740	LF	$ 250	$ 935,093
7	8" HDPE SDR 13.5 Pipe (HDD)	2,340	LF	$ 350	$ 818,839
8	8" Gate Valve	16	EA	$ 8,000	$ 128,000
9	8" DI Fitting - 90 Degree Bend	1	EA	$ 920	$ 920
10	8" DI Fitting - 45 Degree Bend	10	EA	$ 810	$ 8,100
11	8" DI Fitting - 22.5 Degree Bend	5	EA	$ 810	$ 4,050
12	8" DI Fitting - 11.25 Degree Bend	2	EA	$ 810	$ 1,620
13	8" DI Fitting - 8x8 Tee	2	EA	$ 1,100	$ 2,200
14	8" DI Fitting - 8x6 Tee	18	EA	$ 1,100	$ 19,800
15	6" PVC Pipe (Open Cut)	735	LF	$ 230	$ 169,050
16	6" Gate Valve	1	EA	$ 6,000	$ 6,000
17	6" CPVC (Attached Below Concrete Pier)	1,509	LF	$ 120	$ 181,080
18	4" Gate Valve	15	EA	$ 5,000	$ 75,000
19	4" Check Valve	2	EA	$ 5,000	$ 10,000
20	3" PVC Pipe (Open Cut)	487	LF	$ 125	$ 60,818
21	3" HDPE SDR Pipe (HDD)	358	LF	$ 250	$ 89,470
22	Firehose and Extinguisher Cabinet and Assembly	14	EA	$ 1,800	$ 25,200
23	Reconnect Existing Service Lines to New Water Onsite Main	18	EA	$ 4,000	$ 72,000
24	Connection to Existing WASD Water Main at Entrance	1	LS	$ 8,100	$ 8,100
25	Hydrant Assembly	12	EA	$ 5,000	$ 60,000
26	Fire Department Connection	2	EA	$ 5,000	$ 10,000
27	Valve Vault Demolition and Rehab	5	EA	$ 10,000	$ 50,000
28	HDD Access Pit Excavation	13	EA	$ 2,500	$ 32,500
29	6" Compound Meter	1	EA	$ 10,000	$ 10,000
30	8" Backflow Preventer	1	EA	$ 10,000	$ 10,000
31	Pavement Repair and Road Restoration - Bedding, Backfill, Asphalt	2,842	SY	$ 85	$ 241,570
32	Pavement Repair and Sidewalk Restoration - Bedding, Backfill, Concrete	220	SY	$ 110	$ 24,200
33	Landscaping Restoration and Miscellaneous Cleanup	1	LS	$ 20,000	$ 20,000
34	Reinforced concrete tank foundation (elevated slab)	86	CY	$ 1,500	$ 128,369
35	Reinforced concrete pump foundation (elevated slab)	16	CY	$ 1,500	$ 23,667
36	16" Diameter Augured Concrete Pile	436	LF	$ 75	$ 32,700
37	Pile Rig Mobilization	1	LS	$ 5,000	$ 5,000
38	Aluminum Stairway	1	EA	$ 10,000	$ 10,000
39	144k Gallon Coated Steel Water Storage Tank	1	LS	$ 183,098	$ 183,098
40	Prefabricated Fire Water Pump Enclosure	1	LS	$ 330,765	$ 330,765
41	Altitude Valve with Pad and Enclosure	1	LS	$ 20,000	$ 20,000
42	Chain-link Fence with Gate	300	LF	$ 65	$ 19,500
43	Site Work Around Tank and Pump Building	1	LS	$ 15,000	$ 15,000
44	Fire Pump Building Disconnect Switch. 60A, 3PH, 240V.	1	EA	$ 2,000	$ 2,000
45	2" PVC schedule 80 Conduit	100	LF	$ 25	$ 2,500
46	2" PVC schedule 40 Conduit	100	LF	$ 20	$ 2,000
47	#8 AWG 600V Conductor	200	LF	$ 25	$ 5,000
48	Ground Rod	2	EA	$ 250	$ 500
49	4/0 AWG ground conductor	200	LF	$ 30	$ 6,000
50	Controls	1	LS	$ 10,000	$ 10,000
	SUBTOTAL				$ 4,067,207
	Contractor Overhead & Profit (15%)				$ 610,081
	TOTAL				**$ 4,678,000**


BISCAYNE TRAIL SOUTH
PROJECT LOCATION
HOMESTEAD BAYFRONT PARK
HOMESTEAD BAYFRONT PARK
2023 AERIAL
9698 SW 328 ST
CLASS: METROPOLITAN PARK
TYPE: AREA-WIDE
ACRES: 97.0
BOUNDARIES ARE APPROXIMATE
NOT SURVEY QUALITY
CountyParkBoundary
Parcel Boundary
Major Roads
MIAMI-DADE
COUNTY





NORTH

UTILITY GENERAL NOTES:

1. PROVIDE RESTRAINED JOINTS AT ALL PVC TO HDPE TRANSITION JOINTS, PROVIDE RESTRAINED JOINTS AT ALL BENDS, FITTINGS, AND ALL JOINTS WITHIN 50 FEET OF BENDS, FITTINGS, AND TEES.

DOMESTIC WATER SYSTEM					
KEYNOTE #	LENGTH (LF)	DIAMETER (IN)	MATERIAL	STA START	STA END
1	301	8	SDR 25 PVC	98+13	101+13
2	18	8	SDR 25 PVC	100+67	100+71
3	159	8	SDR 13.5 HDPE	101+52	103+12
4	133	8	SDR 25 PVC	103+71	110+04
5	11	6	SDR 13.5 HDPE	109+67	N/A
6	276	8	SDR 13.5 HDPE	110+04	112+80
7	95	8	SDR 25 PVC	112+80	113+75
8	6	6	SDR 13.5 HDPE	113+56	N/A
9	201	8	SDR 13.5 HDPE	113+75	115+76
10	1275	8	SDR 25 PVC	115+78	118+53
11	13	6	SDR 25 PVC	118+16	N/A
12	18	8	SDR 25 PVC	120+35	N/A
13	20	6	SDR 25 PVC	121+80	N/A
14	21	6	SDR 25 PVC	123+10	N/A
15	9	6	SDR 25 PVC	124+08	N/A
16	13	6	SDR 25 PVC	N/A	N/A
17	17	6	SDR 25 PVC	N/A	N/A
18	21	6	SDR 25 PVC	127+40	N/A
19	10	6	SDR 25 PVC	128+14	N/A
20	744	3	SDR 9 PVC	128+53	135+97
21	9	TBD	SDR 25 PVC	133+47	N/A
22	6	TBD	SDR 25 PVC	134+90	N/A
54	18	6	SDR 25 PVC	139+04	N/A

FIRE WATER SYSTEM					
KEYNOTE #	LENGTH (LF)	DIAMETER (IN)	MATERIAL	STA START	STA END
23	273	6	SDR 25 PVC	200+00	N/A
24	35	6	SDR 25 PVC	N/A	N/A
25	237	8	SDR 13.5 HDPE	200+00	202+37
26	68	6	SDR 25 PVC	202+51	N/A
27	1268	8	SDR 25 PVC	202+37	215+25
28	67	6	SDR 25 PVC	204+55	N/A
29	351	6	CPVC	205+62	N/A
30	355	6	CPVC	206+95	N/A
31	29	6	CPVC	N/A	N/A
32	25	6	SDR 25 PVC	207+55	N/A
33	155	6	CPVC	208+40	N/A
34	152	6	CPVC	209+90	N/A
35	29	6	CPVC	N/A	N/A
36	20	6	SDR 25 PVC	210+82	N/A
37	163	6	CPVC	211+01	N/A
38	11	6	SDR 25 PVC	212+27	N/A
39	36	8	SDR 25 PVC	213+30	N/A
40	5	6	SDR 25 PVC	215+09	N/A
41	223	8	SDR 13.5 HDPE	215+24	217+47
42	7	8	SDR 25 PVC	217+75	N/A
43	29	8	SDR 25 PVC	217+47	217+76
44	139	8	SDR 13.5 HDPE	217+76	219+15
45	355	8	SDR 25 PVC	219+16	222+70
46	32	6	SDR 25 PVC	219+99	NA
47	226	8	SDR 13.5 HDPE	222+70	224+96
48	33	8	SDR 25 PVC	224+95	225+29
49	10	6	SDR 25 PVC	225+13	N/A
50	164	8	SDR 13.5 HDPE	225+29	226+93
51	135	8	SDR 25 PVC	226+93	228+28
52	19	6	SDR 25 PVC	227+17	N/A
53	3	6	SDR 25 PVC	222+45	N/A

Digitally signed by Michael S Colby
Date: 2023.11.08 11:12:07-05'00'

Michael Colby P.E.
Engineer of Record
State of Florida - License No. 82171
850 N. Hyatt Road, Suite 110
Chicago, IL 60631
Stanley Consultants, Inc.
Phone (772) 692-4624
Date 11/08/23

This item has been digitally signed and sealed by Michael Colby P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signatures must be verified on any electronic copies.

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Stanley Consultants INC.

MIAMI-DADE COUNTY

PARKS, RECREATION AND OPEN SPACES
275 NW 2nd STREET
MIAMI, FL 33128
305-755-7800
PLANNING, DESIGN, AND CONSTRUCTION EXCELLENCE DIVISION

HOMESTEAD BAYFRONT PARK
FIRE LINE REPLACEMENT
CONTRACT/ PROJECT No. 701601-19-005

OVERALL LAYOUT

DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT SUBMITTAL	10/8/21	SCO
PERMIT SUBMITTAL	12/9/21	SCO
PERMIT	11/8/23	SCO
BID		
AS-Built		

REVISIONS

No.	DESCRIPTION	DATE	BY

APPROVALS

PROJECT MGR/PM	CHECKED BY
DESIGNED BY	DRAWN BY
CHIEF LANDSCAPE ARCHITECT	
SECTION HEAD	
ASST. HEAD	

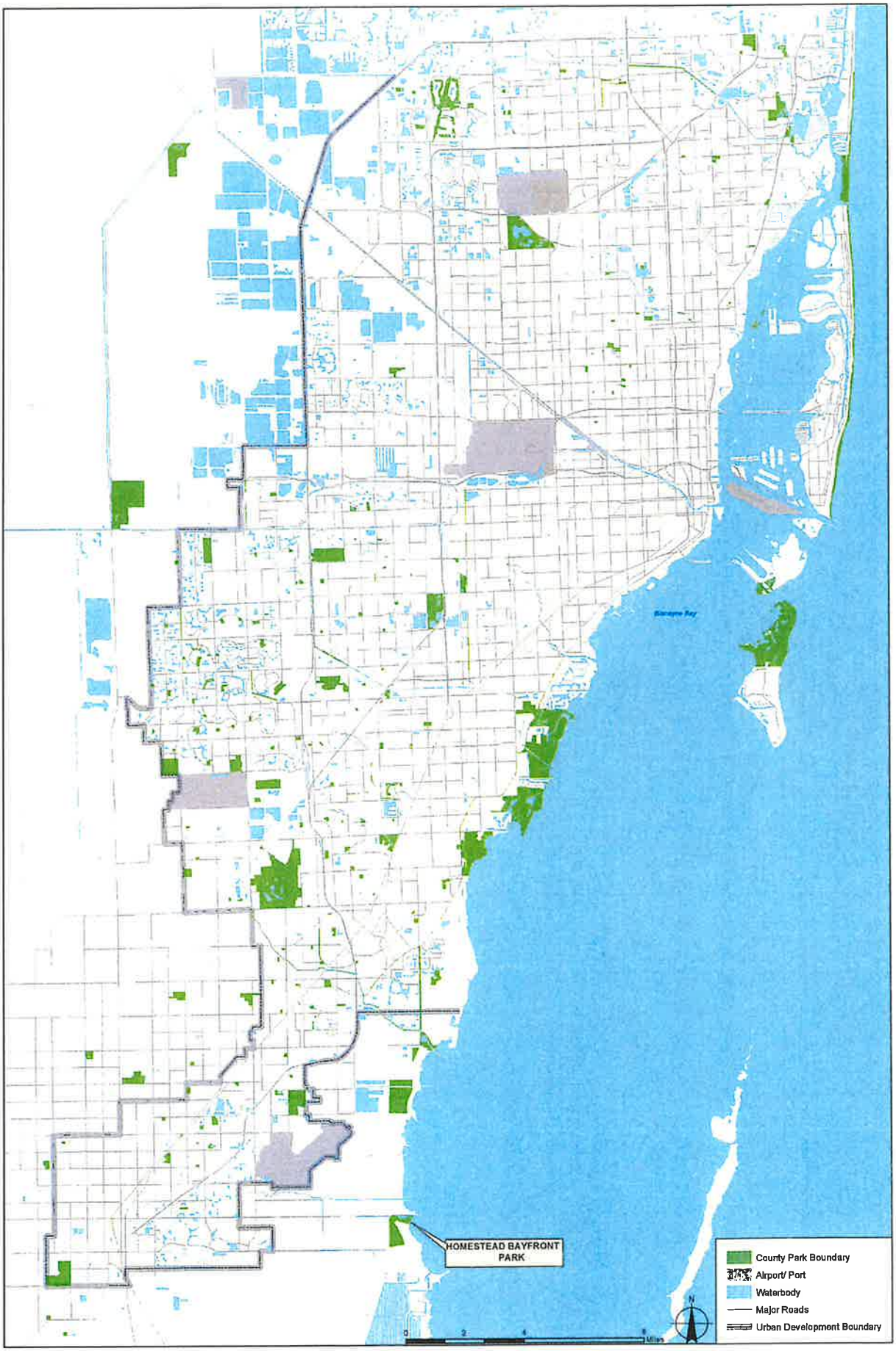
MICHAEL SCOTT COLBY LICENSE No. 82171 STATE OF FLORIDA PROFESSIONAL ENGINEER

FILE NAME: 701601-19-005_C02.DWG
DATE: 09/05/2023 SCALE: AS NOTED
SHEET C-2 (06 OF 41)
DWG. No. 701601-19-005_C02

MIAMI-DADE COUNTY

PARKS, RECREATION AND OPEN SPACES

LOCATION MAP HOMESTEAD BAYFRONT PARK





Herbert Hoover Marina at Homestead Bayfront Park

Fire Suppression System Replacement, Phase II

GRANT APPLICATION

April 1, 2024

SUBMITTED BY

MIAMI-DADE COUNTY

PARKS, RECREATION AND OPEN SPACES DEPARTMENT

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: Bal Harbour Village			
Department: Capital Programs			
Project Title: Village Jetty and Cutwalk Segment B			
Project Director: Matilde E. Reyes		**Title:**	Capital Programs Director
Project Liaison: *(if different from Director)*	Kristina Brown	**Title:**	Grant Administrator
Mailing Address:	655 96th Street		
City: Bal Harbour Village		**Zip Code:**	33154
Email Address: prograntt@balharbourfl.gov		**Phone #:**	(305) 297-8549
Project Address:	10295 Collins Avenue, Bal Harbour, Fl 33154 / Bakers Haulover Inlet south jetty extension		

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

SIGNATURE: _____ DATE: 3/29/24

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

Bal Harbour Village, a coastal community at the entrance of Baker's Haulover Inlet in Miami-Dade County, Florida, strives for inclusivity while maintaining its tranquil beach town atmosphere. The Village aims to revitalize the expansive area along the south jetty extension into a waterfront accessible linear park, extending from the cutwalk entrance to the jetty and continuing into a hook-like formation reaching the Atlantic Ocean. In collaboration with a design firm since 2019, the Village has pursued this ambitious project, supported by grants from FIND in 2020 and 2022 for design and structural improvements (Segment A). However, additional structural work and elevation enhancements are required for Harbourfront Park, spanning from the bulkhead to the tip of the hook (Segment B), to protect adjacent properties from wave intrusion and provide a safe, accessible waterfront experience.

The Village's current submission to FIND focuses on Phase III Segment B of the project, covering structural improvements from the bulkhead to the tip of the hook. The extension reach, constructed by the Village in the 1970s, requires reinforcement and elevation increase to ensure safety, resilience, and preservation of navigational integrity. Grant funds will be allocated to this critical phase, essential for safeguarding properties, enhancing accessibility, and maintaining the openness of the inlet for safe passage of boats from the Intracoastal Waterways to the Atlantic Ocean. As stewards of this valuable coastal asset, the Village is committed to creating a vibrant waterfront amenity that enriches the lives of residents and visitors alike, while preserving the unique charm of Bal Harbour Village.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3
PROJECT INFORMATION
WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: Bal Harbour Village	**Project Title:** Village Jetty and Cutwalk Segment B	
Total Project Cost: $ 11,290,000	**FIND Funding Requested: $** 3,000,000	**% of Total Cost:** 27%
Amount of Applicant's Matching Funds:	$8,290,000	
Source of Applicant's Matching Funds:	Village 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:

In 2020, a design and permitting grant was approved under agreement number DA-BH-20-258. In 2022, a phase II structural restoration grant was also approved for the portion of the project extending from the seawall to the jetty (Segment A), identified under agreement DA-BH-22-270.

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):

Harbourfront Park, Jetty, and Cutwalk are fully accessible to the public. However, the absence of safety features such as railings and properly paved paths poses significant hazards, particularly during inclement weather conditions. The entire project site spans approximately 1,500 linear feet.

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

The Project will add railings, an accessible walkway to the hook of Harbourfront Park, benches, an amphitheater, and 4,914 square feet of additional improvements, including a new USCG light tower.

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	N/A	N/A
DEP	Yes	08/24/2020	09/09/2022
ACOE	Yes	08/24/2020	09/15/2022

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Village Jetty and Cutwalk Segment B
Applicant:	Bal Harbour Village

---

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.)

11. Public waterfront parks and boardwalks and associated improvements.

b) Explain how the project fits this priority category.

The project aligns with Category #11, Public Waterfront Parks and Boardwalks, by enhancing public access to coastal areas and promoting recreational opportunities along the waterfront. By revitalizing the south jetty extension into Harbourfront Park, the project creates a vibrant and inclusive space for residents and visitors to enjoy the waterfront amenities. The addition of amenities such as benches, an amphitheater, a boardwalk and an accessible walkway not only improves the overall aesthetic appeal but also fosters community engagement and social cohesion. Furthermore, the installation of railings and safety features ensures a safe and enjoyable experience for all individuals, reinforcing the importance of public waterfront spaces in promoting health, well-being, and environmental stewardship.

(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's revitalization of the south jetty extension directly supports FIND's mission by enhancing public waterfront access and ensuring safe navigation along the critical Atlantic Intracoastal Waterway (ICW) corridor, reflecting FIND's commitment to coastal stewardship.

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

Project Segment B will significantly benefit the public and improve the navigational corridor by elevating the hook, reinforcing the structural wall and riprap, and introducing a living wall with relocated coral. These enhancements will support the marine environment, protect adjacent beach and upland properties, and ensure the safety of the inlet corridor passageway.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

The project substantially enhances public access by creating safe pathways, seating areas, and amenities along the renovated Jetty and Cutwalk, facilitating closer proximity to the waterways. With an estimated 500,000 visitors anticipated to utilize these improved facilities, the project significantly increases recreational opportunities and fosters safer enjoyment of the waterfront for both residents and the millions of annual visitors.

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

As the only above jetty park in the country, the project represents a monumental advancement in navigational jetty design, providing a unique attraction that attracts individuals from across the region and beyond. Additionally, residents from other counties can reasonably access and utilize the project, as its innovative design and strategic location make it an accessible and appealing destination for individuals from near and far.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

Public access to the park will be managed responsibly, ensuring a safe and enjoyable experience for all visitors. While there are no planned restrictive measures beyond the already implemented speed zones and other appropriate safety protocols, any commercial activity will be regulated and limited to approved vendors selected to offer recreational services or food options within the park.

(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 currently in the construction bidding phase, with the Village seeking a Construction Manager-at-Risk to act as both contractor and provide limited value engineering support. Consultants project completion of Segment A structural work by summer 2025, followed by Segment B's completion by summer 2026.

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

The timeline for Segment B may be influenced by its complexity, particularly regarding the incorporation of a living coral wall for increased resilience and elevation of the hook. Additional permitting or support for this aspect could potentially extend the project's completion until March 2027.

(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 any cash match or matching grant funds.

$8,290,000 will be allocated from the Village's Capital Programs budget, with funding already earmarked in the budget to ensure the timely completion of all project components.

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

Construction costs have surged since 2020, driven by the COVID-19 pandemic, with rising prices of materials like concrete, lumber and steel due to global supply chain disruptions. Labor shortages have compounded these challenges, leading to higher wages.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

No fees are associated with the use of the project area, although there may be food vendors utilizing parts of the site who could potentially charge for their products. However, access to Harbourfront Park itself will be completely free of charge.

d) If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.

No fees are anticipated for this project. Access to all aspects of the project, including Harbourfront Park, will be free of charge.

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

a) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

The project is essential to create a resilient and accessible public waterfront park while also addressing the critical need to maintain navigational channels in Baker's Haulover Inlet. By enhancing the Harbourfront Park area with features such as elevated walkways, benches, and a living coral wall, the project not only provides residents and visitors with safe recreational spaces but also contributes to the preservation of the inlet's navigational infrastructure. Jetties and similar structures are vital for channel maintenance, ensuring safe passage for vessels navigating between the Intracoastal Waterways and the Atlantic Ocean. Additionally, the elevation of the tip of the hook will enhance the beach adjacent to it, protecting it from erosion caused by storm surges and promoting the longevity of the coastal ecosystem. Thus, the project serves a dual purpose by promoting community engagement, supporting the long-term sustainability of the inlet's navigational corridors, and improving overall coastal resilience.

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

The maintenance and funding for the Harbourfront Park, Jetty, and Cutwalk improvements will be ensured through a collaborative effort between the County and Bal Harbour. This partnership, fortified by ongoing support from USACE, commits to sustaining the project site well beyond its completion. The Village resources have been the primary source of maintenance for the site for the past 50 years.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

Yes, Harbourfront Park, including the jetty and extension reach, is integrated into the Baker's Haulover Inlet Management Plan. Additionally, collaboration among FDEP, USACE, Miami-Dade County, and Bal Harbour Village demonstrates a unified effort to address issues concerning this project site, ensuring alignment with broader maritime management goals and objectives.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 have been applied for and approved.

b) If the project is a Phase I project, 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.

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?**

Yes, the design work for the project has been completed. However, finalization of construction documents is pending value engineering from the soon-to-be-onboarded Construction Manager-at-Risk (CMAR). Any necessary revisions to the drawings to ensure fiscal responsibility will be conducted by no later than summer 2024.

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 uniquely enhances public usage and access by creating the Village's first large-scale waterfront park on and around a jetty. Integrating a living coral wall and elevating the park not only promotes resiliency but also ensures the navigational corridor remains open and preserves the surrounding beach and upland properties.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

Construction techniques for the Harbourfront Park project will involve the installation of precast concrete platforms supported by concrete piles over the water. Grated walkways will provide visitors with a closer connection to nature, offering views of the surrounding reefs. Additionally, precast concrete slabs will be added to elevate walkways and enhance structural integrity, mitigating storm conditions. Project costs will encompass mobilization, demolition, platform construction, grating, railing installation, and reinforcement of existing structures. Furthermore, the project will feature a unique coral living wall, contributing to the park's ecological sustainability and aesthetic appeal.

b) What is the design life of the proposed materials compared to other available materials?

Accoya modified timber (or equivalent), with a 25-year lifespan, will be utilized for wooden components. All structural materials are selected to endure the corrosive marine environment, ensuring a 75-year lifespan. Stainless steel, chosen for its superior longevity in marine settings, surpasses galvanized materials in durability.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The Village has taken significant steps to ensure environmental compliance and sustainability throughout the project. Environmental studies conducted by expert consultants have carefully examined potential impacts on the marine environment and beachside area. The wave reflection report concluded that proposed improvements would not significantly alter existing wave conditions, minimizing risks of toe scour, navigation hazards, or beach erosion. Additionally, the benthic study identified the presence of coral colonies, emphasizing the need to relocate the coral, which will be done as a living wall.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

Key considerations have been integrated into the design and lifespan of the project to address sea level rise. Comprehensive assessments, including wave reflection studies, slope stability calculations, geotechnical reports, benthic resource surveys, coastal engineering reports, and sea-level rise vulnerability assessments, have been conducted for the site. The project has been designed to enhance resilience against storm surges, with a focus on addressing projections for sea level rise over the next 100 years. These measures ensure that the project can withstand future environmental challenges.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Village Jetty and Cutwalk Segment B
Applicant:	Bal Harbour Village

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Mobilization/Demolition	290,000.00	290,000.00	0.00
Structural work to include, concrete, rip rap and related for reinforcement and elevation	10,000,000.00	7,000,000.00	3,000,000.00
Lighting, railing, benches, and related safety surface features	1,000,000.00	1,000,000.00	0.00
****TOTALS =**	**$ 11,290,000.00**	**$ 8,290,000.00**	**$ 3,000,000.00**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

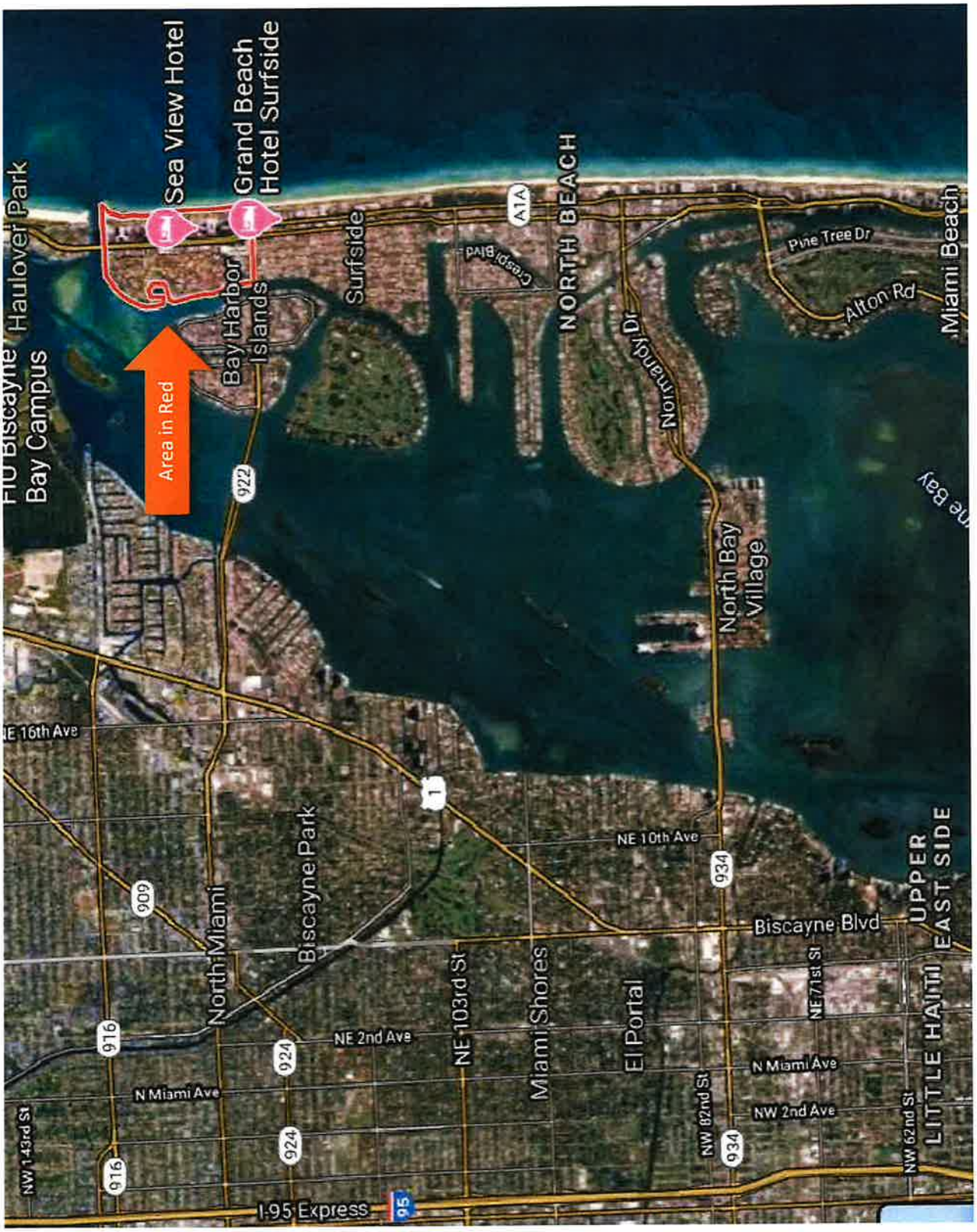
Project Title:	Village Jetty and Cutwalk Segment B
Applicant:	Bal Harbour Village

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
June 2024	Construction Manager-At-Risk Selected
September 2024	Final GMP Approved by Council
October 2024	Construction Commences
September 2025	Segment A Completed
September 2026	Segment B Completed
March 2027	Overall Project Completion

Village Location Map



Project Boundary Map





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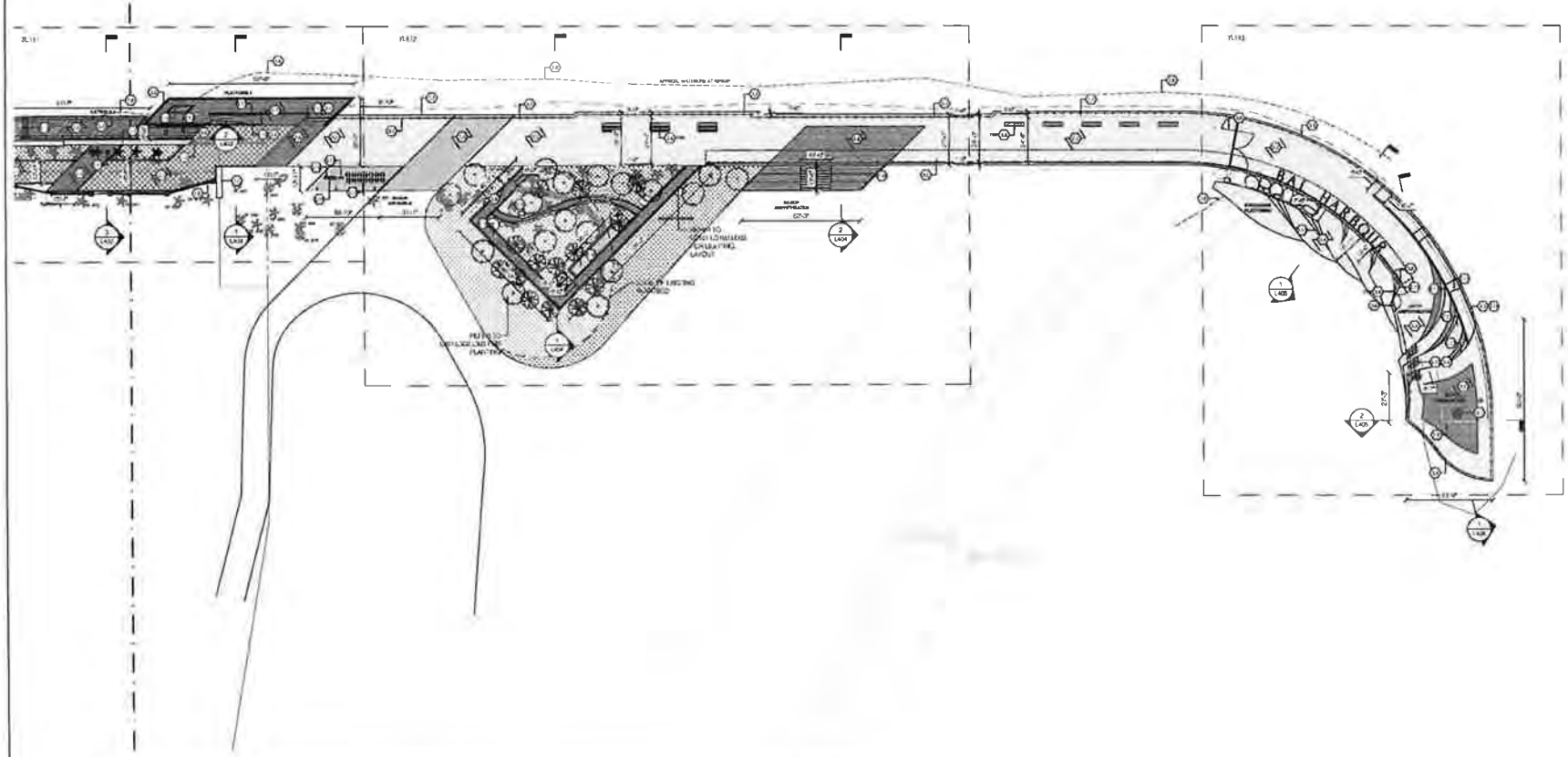
Clear & Detailed Site Development Plan Map
Phase III Segment B



1.0 EXISTING HORIZONTAL CONDITIONS BY OTHERS
- 1.1 EXISTING SEAWALL TO REMAIN AND RECORDED
- 1.2 EXISTING SEAWALL TO BE REMOVED (ABOVE GROUND)
- 1.3 EXISTING PAVEMENT TO REMAIN AND BE PROTECTED
- 1.4 EXISTING CATCH BASIN
- 1.5 APRON, WATERLINE AT RIPRAP
- 1.6 EDGE OF EXISTING JETTY BELOW
- 1.7 EXISTING FENCE TO REMAIN AND BE PROTECTED
- 1.8 EXISTING STAIRS TO REMAIN
- 1.9 EXISTING UTILITY

2.0 PAVEMENT, SURFACES, STEPS, AND RAMPS
- 2.1 PRECAST CONCRETE PAVER COLOR VARIES
  - COLOR 1
  - COLOR 2
  - COLOR 3
  - COLOR 4
- 2.2 PRECAST CONCRETE PAVEMENT
- 2.3 CONCRETE PLATFORM AT GRADE
- 2.4 PRECAST CONCRETE PLATFORM
- 2.5 ~~ARTIFICIAL REEF~~
- 2.6 WOOD PLATFORM AT GRADE
- 2.7 WOOD DECKING
- 2.8 WOOD ELEVATED BOARDWALK
- 2.9 METAL GRATING CATWALK
- 2.10 METAL GRATING WINDOW
- 2.11 STAIRS, CONCRETE
- 2.12 STAIRS, WOOD
- 2.13 STAIRS, METAL
- 2.14 ACCESSIBLE RAMP, WOOD
- 2.15 ACCESSIBLE RAMP, CONCRETE
- 2.16 BEACH AMPHITHEATER
- 2.17 JETTY AMPHITHEATER
- 2.18 METAL GRATING AT BOARDWALK

3.0 EQUIPMENT
- 3.1 MONOLITHIC CONCRETE GUARDRAIL
- 3.2 MONOLITHIC CONCRETE GUARDRAIL W/ WOOD CLADDING
- 3.3 METAL GUARDRAIL
- 3.4 METAL HANDRAIL
- 3.5 METAL CANOPY
- 3.6 SECURITY GATE
- 3.7 FLOOD GATE
- 3.8 WOOD BENCH TYPE 1
- 3.9 WOOD BENCH TYPE 2
- 3.10 ANGLED NET HAMMOCK SEAT
- 3.11 SEA VIEW CHAIRS
- 3.12 BIKE RACK
- 3.13 SIGNAGE
- 3.14 TRASH RECEPTACLE
- 3.15 ADVENTURE BRIDGE
- 3.16 WATERFOUNTAIN
- 3.17 LEANING RAIL
- 3.18 RAMP RAIL

4.0 PLANTS AND LANDSCAPE
- REFER TO L301 L302 L303 FOR PLANTING

5.0 LIGHTING
- 5.1 LIGHT BEACON

REFER TO LD103, LD102 LD103 FOR LIGHTING LAYOUT

BAL HARBOUR

mykd

Client
Bal Harbour Village

Design Landscape Architect
Mikyoung Kim Design
119 Braintree St, Suite 103
Boston, MA 02134
(617)783-9130

Landscape Architect of Record
Cadence
433 N Andrews Ave No.2
Fort Lauderdale, FL 33301
(954)768-4572

Civil
Bowe Thurlow Engineering
3400 NW 9th Ave Suite 1102
Fort Lauderdale FL 33309
(954)955-0556

MEP (Elec, Mech, Plumb)
TWR Engineers
12315 SW 132nd St
Miami FL 33186
(305)970-0620 ext.209

Structural Engineer
MJ Engineers
3440 NE 12th Ave
Oakland Park, FL 33334
(954)903-3233

Environmental
The Chapadi Group
714 E Mehab Rd
Pompano Beach FL 33060
(954)782-1606

Lighting
Miami Lighting Design
2550 S Bayshore Drive Suite 208
Miami, FL 33133
(305)918-9138

ITEM 10

LAYOUT AND MATERIALS PLAN 2

L102

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Coral Gables			
Department: Police			
Project Title: Coral Gables Marine Patrol Vessel			
Project Director: Edward J. Hudak, Jr.		Title:	Chief of Police
Project Liaison: *(if different from Director)*	Guido Antezana	Title:	Police Sergeant
Mailing Address:	Public Safety Building, 2151 Salzedo Street		
City: Coral Gables		Zip Code:	33134
Email Address: gantezana@coralgables.com		Phone #:	305-722-8663
Project Address:	6500 Prado BLvd., Coral Gables, FL 33143		

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

SIGNATURE: Edward J. Hudak, Jr. Digitally signed by Edward J. Hudak, Jr. Date: 2024.04.01 09:50:03 -04'00'

DATE: 4/1/2024

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

The project is the acquisition of an additional Police Vessel to patrol the intracoastal waterways of the City of Coral Gables and Biscayne Bay. The City of Coral Gables has 47 miles of coastline and extends into Biscayne Bay out to the intracoastal waterway. The city's mission is to ensure public safety, enforce the laws and provide emergency services to the area. The city also promotes boating safety and protects the natural resources by enforcing manatee protection rules and saltwater fishing regulations.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Coral Gables	**Project Title:** Coral Gables Marine Patrol Vessel	
Total Project Cost: $ 340,000	**FIND Funding Requested: $** 125,000	**% of Total Cost:** 36.7%
Amount of Applicant's Matching Funds:	$215,000	
Source of Applicant's Matching Funds:	City of Coral Gables General Fund	

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):

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		

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Coral Gables Marine Patrol Vessel
Applicant:	City of Coral Gables

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.)

13. Waterway boating safety programs & equipment.

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

The acquisition of an additional marine patrol vessel will enhance the city's ability to effectively patrol the intracoastal waterways and improve visibility and enforcement, thereby promoting boating safety.

(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 city's jurisdiction extends from the shore of the City of Coral Gables out to the intracoastal and inland waterways. The Coral Gables Marine Patrol Team routinely responds to calls for assistance beyond this boundary when working with regional task forces or assisting other agencies as part of a mutual aid agreement.

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

The navigational benefit provided to the ICW by this project would improve the ability to patrol and respond to emergencies in the ICW.

(For reviewer only)
(1-6 points)

3) **PUBLIC USAGE & BENEFITS:**

a) **Describe how the project increases/improves boater/public access. Estimate the amount of total public use.**

N/A

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

The regional benefit provided by this project to residents of other counties would be additional safety to them as they make their way through the ICW as it passes through our jurisdiction. We routinely encounter residents from other counties in need of assistance in our jurisdiction.

c) **Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?**

N/A

(For reviewer only)
(1-5 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 Coral Gables Police Department (CGPD) has obtained a quote for an additional marine patrol boat. It would go through the city's procurement process for the boat to be ordered from the manufacturer. This process may take less than a year. Once the boat is ordered, the manufacturer would deliver the boat within 6 to 9 months.

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

Until recently, boat manufacturing lead times were longer than usual due to supply chain issues and higher than normal sales volume. This time has recently been returning to a more normal state and manufacturers are able to provide boats at a reasonable time.

(For reviewer only)
(1-5 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 any cash match or matching grant funds.**

The city's general fund is the source the matching portion of the project will come from.

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

The project cost may increase when the quote from the manufacturer is updated. The last one received was on July 2023.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

N/A

d) If there are any fees, please explain where these fees go and what they are used for. 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) **Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?**

This project is necessary because we currently have two marine patrol boats. The older one was manufactured in early 2006 and will need to be retired soon. Expanding our fleet to three boats would allow us to always maintain two boats in service when one boat is in dry dock for service. Recently, one of our two boats had a catastrophic engine failure. The city is in the process of repowering it and will be limited to one active boat for the next few weeks.

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

The additional boat will be maintained by city contracted vendors which are paid by the city's fleet management program.

c) **Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

No

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4C

EVALUATION WORKSHEET

LAW ENFORCEMENT & BOATING SAFETY PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 acquisition of a new vessel will enhance the city's ability to respond to emergencies on the intracoastal waterways. It will also improve Police visibility which will promote safe boating practices by the public with the goal being to reduce collisions and drownings.

d) How does the project provide significant benefits or enhancements to the District's Waterways?

In 2023, the Marine Patrol Unit conducted 259 traffic stops and 1,527 area checks. Having an additional vessel would allow the city to protect its citizens and visitors more in and around the intracoastal waterways.

(For reviewer only)
(1-3 points)

---

8) EXPERIENCE & QUALIFICATIONS:

a) List the personnel tasked with the implementation of this project, their qualifications, previous training and experience.

Please see Attachment - Experience.

b) Have the personnel participated in or received state marine law enforcement training?

A. Toledo and R. Toledo have attended a course sponsored by FWC (WRT Waterborne Response Team - NASBLA National Association of State Boating Law).

(for reviewer only)
(1-2 points)

9) DELIVERABLES:

a) Describe the anticipated, long-term measurable results of implementing this project.

The city anticipates an increase in statistics such as Marine safety inspections, fishery inspections, citations, warning and citizen contacts. The city also anticipates a decrease in vessel collisions, drownings and other injuries as well as a decrease in crime along the waterways. This includes vessel burglaries and thefts.

b) What is the range or area of coverage for this project? Please provide a map of the coverage area.

The area coverage for this project is 47 miles of coast lines. Please see attached map for the coverage area identified with a red line.

c) Does the project fulfill a particular community need?

This project fulfills the communities need to increase safety on the intracoastal waterways.

(for reviewer only)
(1-4 points)

10) EDUCATION:

a) What are the educational benefits (if any) of this proposed project?

The project will increase boater education by increasing citizen contact. In addition to issuing citations, officers issue warnings with the goal of educating the public about boating safety. Informational brochures are also given to citizens regarding boating safety, hurricane preparedness and similar topics.

b) How does the project or program provide effective public boating education or expand boater safety?

Boater safety will be increased by having additional coverage and decreased response time to incidents from residents and visitors.

(Applicant use only)
(1-5 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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Coral Gables Marine Patrol Vessel
Applicant:	City of Coral Gables

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Equipment - Base Boat and Engines	254,000.00	167,200.00	86,800.00
Equipment - Selected Options	42,000.00	23,500.00	18,500.00
Equipment - Electronics	15,000.00	8,400.00	6,600.00
Equipment - Special Request Options	29,000.00	15,900.00	13,100.00
****TOTALS =**	**$ 340,000.00**	**$ 215,000.00**	**$ 125,000.00**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Coral Gables Marine Patrol Vessel
Applicant:	City of Coral Gables

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
October 2024 - April 2025	Procurement Process
May 2025	Manufacturer Order
February 2026	Manufacturer Delivery

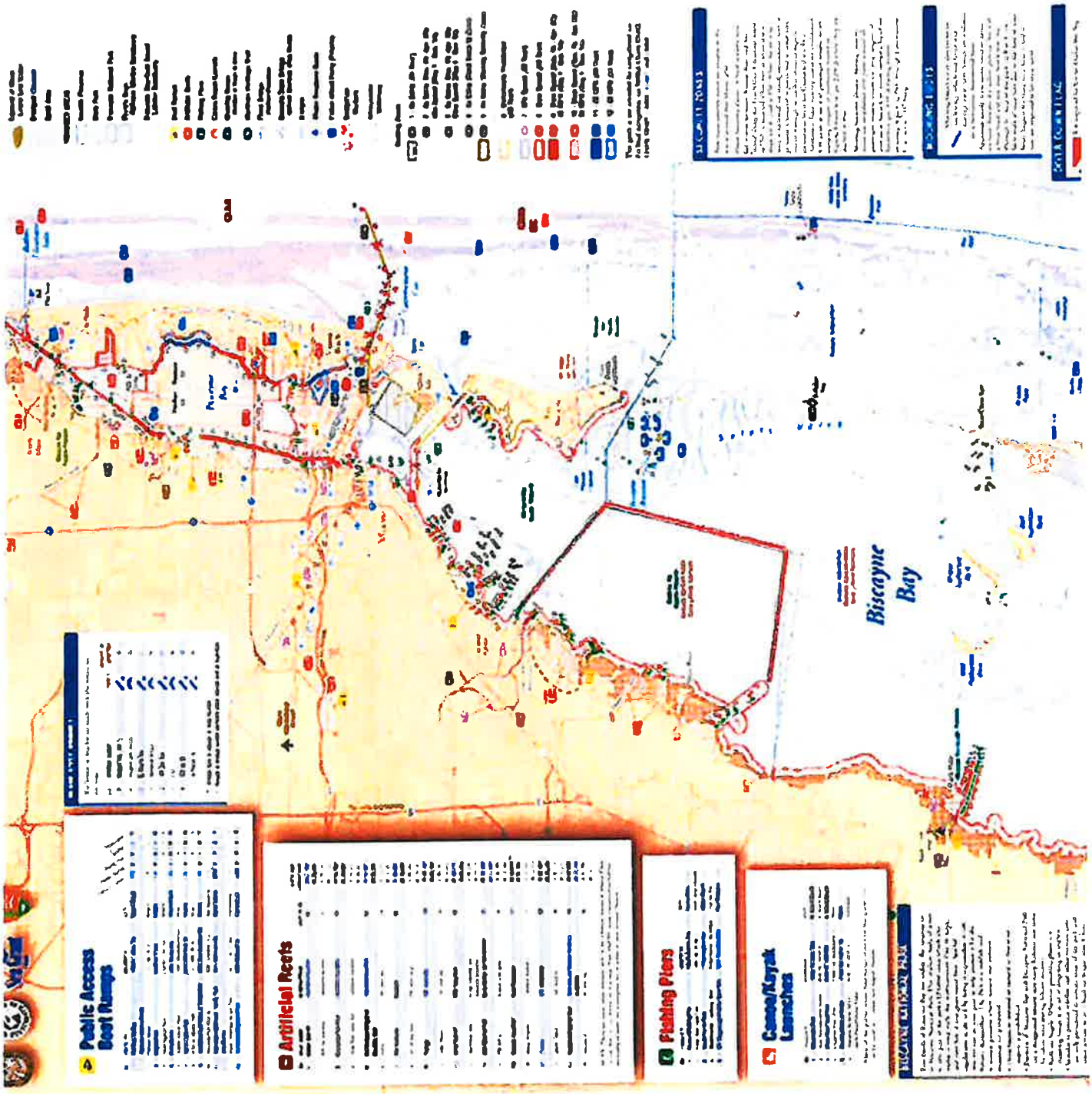
Attachment - Experience

Sergeant Guido Antezana; Marine Patrol Sergeant 2 Years; Police Diver; Recently completed Coast Guard Captain's Course (OUPV)

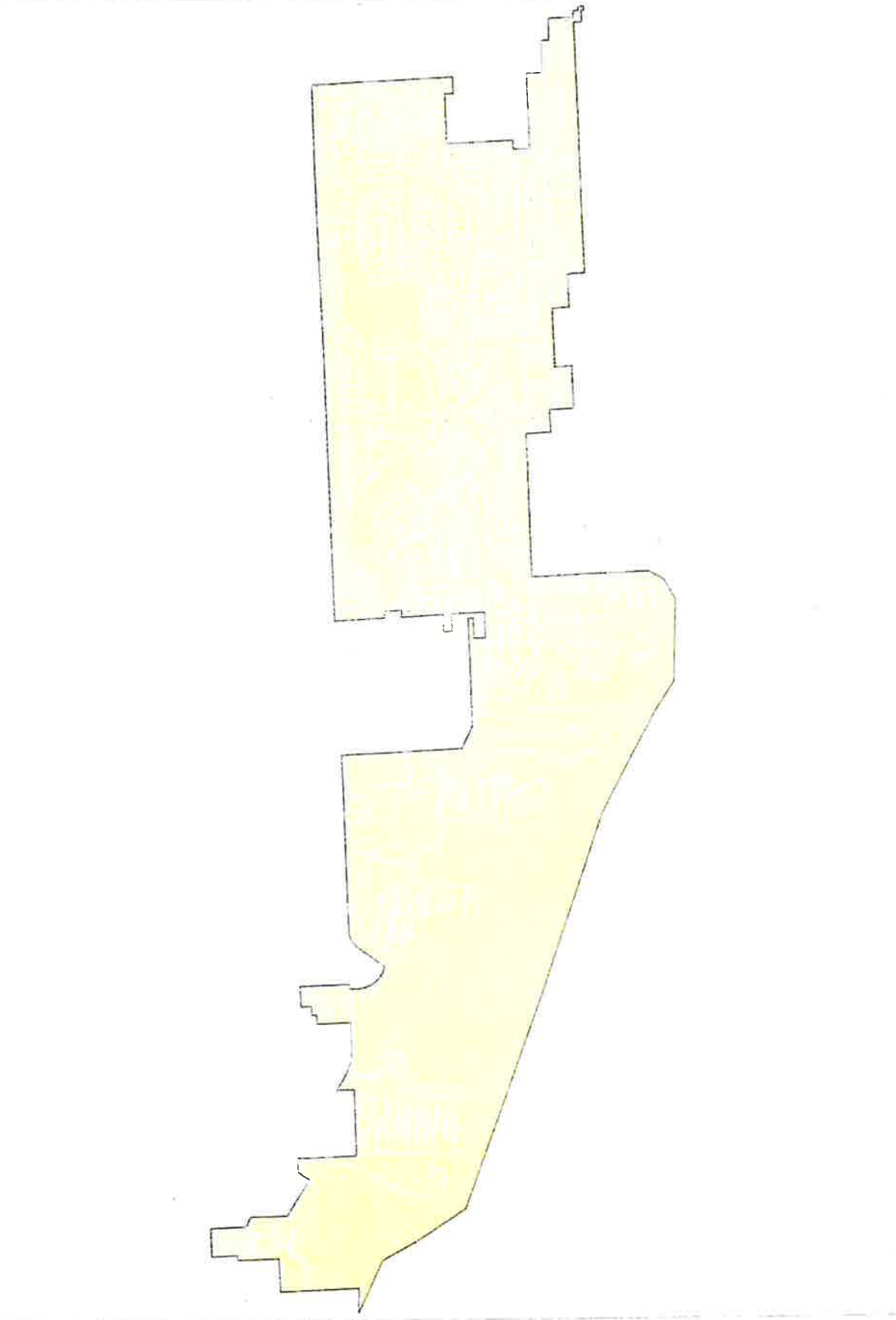
Officer Ray Toledo; Marine Patrol Officer 13 years; USCG Captain License; 100 Ton Master with towing endorsement Police Diver

Officer Alex Toledo; Marine Patrol Officer 5 years; USCG Captain (OUPV) Police Diver

Officer Alex Pino; Marine Patrol Officer 1 year


Biscayne Bay
Public Access Boat Ramps
Artificial Reefs
Fishing Piers
Canoe/Kayak Launches

City of Coral Gables



QUOTATION

Note, this is not an order. Prices are subject to change

11102 NW S River Dr
Medley, FL 33178
(305) 759-6419 FAX (305) 436-1102

To:
Coral Gables Marine Patrol
2800 SW 72nd Avenue
Miami, 33155
ygonzalez@coralgables.com
3054605701

Quotation:	QUO-01903-J6L4V0
Salesperson:	Eddie Juan
Cell:	+1 (305) 519-8000
Quote Date:	10/24/2022
Last Revised:	6/23/2023
Valid Till:	7/6/2023

Qty	Description	Extended Amount
	Base Boat and Engines	
1	OPEN FISHERMAN 290B-Mercury Four stroke Twin 300 hp V8 CMS Engine Color: Standard Black Plan: Gold Mercury Warranty 5 Years	$254,000
	Standard Features	
1	Bennett Trim Tabs	$0
1	Rub Rail Colors: Black/Black Insert	$0
	Selected Options	
1	Extra Battery, AGM with Two Year Warranty	$650
1	Dual Engine Battery Charger, Galvanic Isolator, 30 Amp Inlet, Dual Bank	$1,600
1	Custom Hull Color, Entire Hull Color: Light Gray	$5,700
1	Fiberglass Molded Key West Hard Top,Includes 6 rod holders, Aft & Fwd led spreader lights & 4 Multicolored Led Lights Main Helm Top Underside Color: White Pipework Finish/Color: Black $2,900 2nd Station: None	$16,800
1	Additional Aft Spreader Light	$280
1	Dual Molded-in LED Flood Light - Facing port and Starboard	$1,280
1	Remote Search Light, ACR 100	$2,100
1	Dual Forward Console Cup Holders plumbed for Drainage	$195
1	Dual SS Cup Holders w/Plumbed Drainage and Fiberglass Wedge (Helm or 2nd Station)	$375
1	Console Stainless Steel Deep Cup Holder (Forward of Throttle Control)	$110
1	Under Gunnel Lighting Color: Multicolored $1,150	$1,700
1	Supreme Leaning Post, rod holders, cup holders, folding foot rest and handrail	$3,950
1	Three Panel Polycarbonate Enclosure Color: Black	$2,300
1	Non-Standard Vinyl Main Color or Carbon Fiber Fee	$595
1	Console Cover (2 piece) Canvas Color: Cadet Gray	$680
1	Leaning Post Cover (For Tackle Station Leaning Post) Canvas Color: Cadet Gray	$875
2	Outboard Engine Cover Canvas Color: Cadet Gray	$450
1	Bahama Shade - Aft Cockpit Canvas Color: Cadet Gray	$1,900
	Electronics	
2	Garmin 8612 XSV Color GPS Plotter 12" Display Multi Function Touch Screen	$9,200

QUOTATION

Customer Name: Coral Gables Marine Patrol

Order No: QUO-01903-J6L4V0

Qty	Description	Extended Amount
1	Garmin GCV-20 Sonar Hub with GT34UHD-TH Transducer (Allows you to add Down Vu/Side VU to any Chirp Unit	$1,900
1	Garmin GMR 18 x HD Marine Radar Dome Mount: None	$2,350
2	JL Audio M6 7.7 NONLED Coaxial Speaker (pair) Model: Titanium speaker, Classic grill	$1,520
1	Additional 12 Volt Outlet(s)	$110
1	Dual Charger Socket - USB and USB-C 2.0	$140
	Special Request Options	
1	*Boxes A,B,C To be insulated with Drain Plugs and Stainless Lockable Compression latches	$1,180
1	Upgrade to Ritchie Supersport Globemaster Compass SS-500-12 Black w/ Blue Dial	$265
1	*T-Top Electronics box with Locking Latches	$2,940
1	*NiteTrax HD Night Vision	$5,425
1	*Icom M424G VHF with 8ft Antenna	$1,510
1	*Fusion MS-RA70n with 8 ft antenna	$1,450
1	*Harken Cam Cleats Qty. 6 inside of gunnel ring thru cap	$1,150
1	*Install Customer Supplied Police Radio Lights and Sirens	$2,450
1	*Polycarbonate enclosure serves as wind screen	$0
1	*Vendor Supplied Bottom Paint First time	$2,500
1	Fuel tanks shall be isolated and suitably baffled, Vessel has 2 aluminum tanks with a minimum capacity of 200 Gallons	$0
1	*Garmin GDP19x NMEA 2000 installed	$259
Subtotal – Base Boat, Engines and Options		$329,889
VIP		($10,000)
Surcharge		
Trade-in information		
Subtotal before Sales Tax		$319,889
State Sales Tax		$0
Local Sales Tax		$0
Total Build Price		$319,889

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ATTACHMENT E-2
APPLICANT INFORMATION & PROJECT SUMMARY
WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Miami Beach			
Department: Capital Improvement Projects (CIP)			
Project Title: South Bay Club Baywalk Design			
Project Director: David Martinez, P.E.		**Title:**	Capital Improvement Projects Director
Project Liaison: *(if different from Director)*	Krystal Dobbins	**Title:**	Grants Management Division Director
Mailing Address:	1700 Convention Center Drive		
City: Miami Beach		**Zip Code:**	33139
Email Address: krystaldobbins@miamibeachfl.gov		**Phone #:**	305-673-7000
Project Address:	800 West Avenue, Miami Beach, FL 33139		

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

SIGNATURE: DocuSigned by: Krystal Dobbins 2B2CFBA8D9314F1... DATE: 2/26/2024 | 3:53 PM EST

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

The project is for the design of the South Bay Club Baywalk. The project, which will ultimately be constructed behind the South Bay Club Condominium on West Avenue, is a 500-foot section of the greater Baywalk project, which is a pedestrian pathway that runs alongside Biscayne Bay on the West side of the City of Miami Beach that will extend from 5th Street to Lincoln Road. Most segments of the Baywalk are already completed and are open for public use. The South Bay Club Baywalk link is one of 6 remaining small Baywalk segments that have yet to be completed. The project is being designed as a 554-foot long segment with a 15-foot wide minimum path, and it will be constructed above water, connecting to the seawall. The South Bay Club Baywalk project has an easement agreement already in place between the City of Miami Beach and the South Bay Club Condominium. The easement agreement states that the project will be for the public uses of walking, jogging, hiking, biking (non-motorized only), and fishing along the bay.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

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ATTACHMENT E-3
PROJECT INFORMATION
WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Miami Beach	**Project Title:** South Bay Club Baywalk Design	
Total Project Cost: $473,900	**FIND Funding Requested:** $236,950.00	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	$236,950.00 - The City of Miami Beach will match 50% of the Total Project Cost.	
Source of Applicant's Matching Funds:	Miami Beach GO Bond	

1. Ownership of Project Site (check one): Own: ◯ Leased: Ⓧ Other:

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

The Baywalk segment to be constructed as part of this project will utilize an easement behind the private condominium property at 800 West Avenue, known as the South Bay Club Condominium. This easement extends beyond the property line to establish a pathway over the water along Biscayne Bay, and it outlines the permitted and prohibited public uses of the easement area, operating hours, maintenance responsibilities, and enforcement provisions. The agreement reflects a collaborative effort between the private condominium and the City of Miami Beach, ensuring public access and promoting various recreational activities such as walking, jogging, hiking, biking (non-motorized only), and fishing along the bay. The terms and conditions of the easement agreement govern the use of the area and outline the obligations of both parties regarding maintenance and enforcement.

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):

The Baywalk is a system of public pedestrian pathways along the Biscayne Bay shoreline designed to promote alternative transportation. During operating hours the following uses are permitted: jogging, walking, hiking along the bay, biking (non-motorized vehicles), fishing, and enjoy the view.

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

Once completed, it will provide a continuous path running north/south on the rear of the properties along West Avenue from 5th Street to Lincoln Road, linking residential and commercial areas, public street-end parks, and other existing pedestrian and bicycle facilities.

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.**

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Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	No - The status of the project is in the planning stage, which is approximately 30% complete.		
DEP	No - The status of the project is in the planning stage, which is approximately 30% complete.		
ACOE	No - The status of the project is in the planning stage, which is approximately 30% complete.		
CMB	No - The status of the project is in the planning stage, which is approximately 30% complete.		

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

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ATTACHMENT E-4
EVALUATION WORKSHEET
WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	South Bay Club Baywalk Design
Applicant:	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.)

11. Public waterfront parks and boardwalks & associated improvements

b) Explain how the project fits this priority category.

The creation of the Baywalk behind the private condominium promotes public accessibility to the waterfront. It transforms what would otherwise be private property into a public space, providing residents and visitors with an opportunity to enjoy the waterfront, fostering community engagement. This fosters a sense of inclusivity, connectivity, and shared use of the waterfront space, serving the needs and enjoyment of the entire community.

(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 South Bay Club Baywalk project directly relates to the ICW and aligns with the mission of the Navigation District by enhancing access and connectivity along the waterfront. The Baywalk serves as a vital pedestrian pathway that runs adjacent to the ICW, offering the public an opportunity to engage with and appreciate the waterway's natural beauty and recreational opportunities.

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

The South Bay Club Baywalk project will provide significant public access and navigational benefits to the ICW and adjoining waterway. By creating a designated pedestrian pathway along the waterfront, the project will enhance public access to the ICW, allowing residents and visitors to enjoy recreational activities such as walking, jogging, fishing, and biking (non-motorized vehicles) along Biscayne Bay.

(For reviewer only)(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

The project enhances public access by establishing a continuous pathway along the rear of properties on West Avenue, spanning from 5th Street to Lincoln Road. This pathway seamlessly connects residential and commercial areas. The City of Miami Beach began the process of integrating its bicycle, pedestrian, and greenway facilities into the Atlantic Greenway Network, including the Beachwalk. The result is improved accessibility and connectivity for the public, fostering ease of navigation throughout the specified areas. Although the city is home to approximately 90,000 residents; during high season, the number of residents and visitors is in the millions.

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

The project offers significant regional and local public benefits. By creating a continuous north/south pathway on West Avenue from 5th Street to Lincoln Road, it facilitates improved connectivity between residential and commercial areas, public street-end parks, and existing pedestrian and bicycle facilities, including the Beachwalk. The Regional benefits include enhanced accessibility for residents from other counties within the District. The continuous path serves as a vital link, allowing individuals from neighboring areas to access and utilize the project. This not only promotes interconnectivity but also encourages the broader community to enjoy the amenities and pathways established by the project. Overall, the initiative contributes to the well-being and convenience of both local and regional residents.

c) Has the local Sponsor implemented or plans to implement any boating access, speedzone, commercial access or other restrictive use of this site?

As of now, the City of Miami Beach has implemented a schedule noting open hours of the Baywalk,with signage prominently posted to communicate this policy. While boats are able to navigate on the waterway alongside the Baywalk, they arenot permitted to dock directly to the Baywalk pathway. However, there is a nearby dock available for private 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 status of the project is in the planning stage, which is approximately 30% complete.

Design Phase:

Design Start: February 2025

Design End: October 2025

Following the Design phase which this grant would help to cover, the project will embark on its permitting phase. The construction phase is then expected to begin in April 2027, leading to the project's completion by May 2028. This timeline aims to balance efficiency with the necessary time for each crucial phase of the project.

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

The timeline for this project could be influenced by unique aspects related to the permitting process. Specifically, any comments or requirements from the permitting office may necessitate revisions to design plans. The timeline is contingent upon receiving and addressing regulatory comments effectively

(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 any cash match or matching grant funds.

This funding source from the City of Miami Beach's General Obligation Bond (GO Bond) program will be utilized to support the completion of the project. The amount for this funding is $236,950.00 which is a 50% match of the Total Project Cost.

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

If the materials secified in the engineering estimates need to be altered due to unforeseen circumstances or changes in project requirements due to regulatory comments, the cost of redesigning and re-estimating canchange. If the site conditions are different from what was originally estimated, such as encountering unexpected conditions or environmental issues, additional engineering efforts and costs may be incurred to address these challenges. The project team is also working to keep the timeline on track in order to avoid cost escalation that can be caused by future inflation.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet. No

d) If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, inthe project area.

N/A

(For reviewer only)(1-6 points)

6) PROJECT VIABILITY:

a) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

The project is necessary to address the existing gaps in the Baywalk, particularly focusing on the completion of the South Bay Club Baywalk link. This segment represents one of the three remaining Baywalk sections that requirecompletion. The project not only fills the physical gaps in the Baywalk but also fulfills a community need by providing a dedicated space for various recreational and leisure activities on West Avenue, promoting healthier and more vibrant public spaces.

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

The project's ongoing funding needs will be secured through the City of Miami Beach. The Baywalk will be maintained by the City's departments and divisions – including public works/sanitation, parks and recreation, property management and facilities, and police.

c) Is this project referenced or incorporated in an existing maritime management, public access or comp plan?

The Baywalk system is part of the larger Atlantic Greenway Network Master Plan as well as a component of the Blueways Master Plan and the Bicycle Pedestrian Master Plan.

(For reviewer only)(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A
EVALUATION WORKSHEET
DEVELOPMENT & CONSTRUCTION PROJECTS
WATERWAY ASSISTANCE PROGRAM FY 2024

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 Beach has not applied for the required environmental permits as of now. The project is currently in the planning stage, which is approximately 30% complete. The timeline is strategically structured to allow for a thorough and well-planned design process, followed by a comprehensive permitting phase to ensure all necessary approvals are obtained.

b) **If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.**

N/A - The budget for construction-related expenses is $6 million

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

At this point, no significant impediments that could potentially delay the timely issuance of the required permits have been identified. To add, the requested grant would only cover the design portion of this grant, not including the permitting phase which would follow after the design phase is complete.

(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?

No. The project is currently in the planning stage, which is approximately 30%complete. The requested grant would help to cover the cost of upcoming design phase work.

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 South Bay Club Baywalk project is backed by an easement agreement between the City of Miami Beach and the South Bay Club Condominium. This agreement ensures public access and promotes various recreational activities such as walking, jogging, hiking, biking (non-motorized only), and fishing along the bay. The project will address the current gap in the Baywalk focusing on completing this link, one of the six remaining small Baywalk sections.

(For reviewer only)
(1-2 points)

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9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

The construction techniques and materials to be utilized for this project will be identified once the design phase begins. Potential techniques will be elaborated upon as the design process progresses and specific construction requirements become clearer.

b) What is the design life of the proposed materials compared to other available materials?

This will be determined once the design phase commences and specific construction techniques and materials are identified.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The South Bay Club Baywalk, where the project is situated, will demonstrate its commitment to environmental compliance, sustainability, and stewardship through various initiatives. These include manatee signs andactive manatee monitoring efforts, placement of regulatory signs, and provision of boating signs. Lighting along the Baywalk is also turtle friendly.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

The project involves incorporating resilient infrastructure, elevation adjustments, resilient materials, and strategic placement to mitigate potential risks associated with rising sea levels. Environmental concerns will also be addressed during the environmental resource permitting process. with

(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)

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ATTACHMENT E-5
PROJECT COST ESTIMATE
WATERWAY ASSISTANCE PROGRAM FY 2024

[See Rule Section 66B-2.005 & 2.008 for eligibility and funding ratios]

Project Title:	South Bay Club Baywalk Design
Applicant:	City of Miami Beach

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Design	$473,915.57	$236,950.00	$236,950.00
****TOTALS =**	**$473,915.57**	**$236,950.00**	**$236,950.00**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

DocuSign Envelope ID: B4B3A998-9B0E-4A2B-B187-48972C5C5C97

ATTACHMENT E-6
PROJECT TIMELINE
WATERWAY ASSISTANCE PROGRAM FY 2024

Project Tittle:	South Bay Club Baywalk Design
Applicant:	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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
February 2025	Design Start
October 2025	Design End
October 2025	Permit Start
November 2026	Permit End
April 2027	Construction Start
May 2028	Construction End

- Please note that the grant request is only to cover the Design phase.

County/City Location Map



City of Miami Beach Map

The South Bay Club Condominium
South Bay Club Baywalk Design Project



Miami Dade County Map

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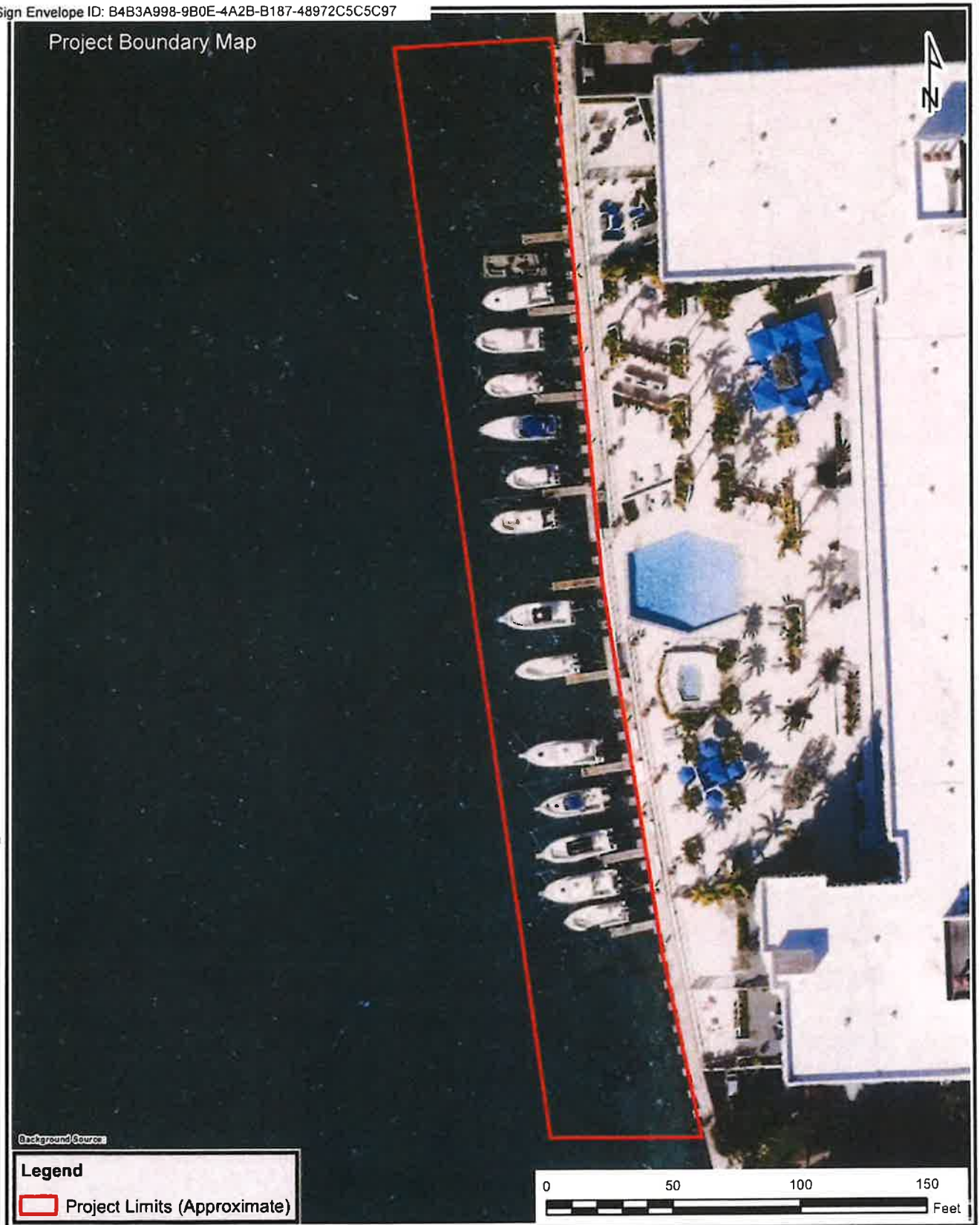

C:\Users\savaro\OneDrive - E Sciences\Documents\ArcGIS\Packages\800WestAvenue_aerial_map_portrait_08915CEE-DAEE-4E34-883F-1EC70EBF8D7D\v106\800WestAvenue_aerial_map_portrait.mxd

Sciences

PROJECT NUMBER: 7-0495-001

South Bay Club Baywalk

800 West Avenue
Section 004, Township 54S, Range 42E
Miami Beach, Miami-Dade, County, Florida

2019 Aerial Map

SCALE: 1 "=50 '

DATE: 3/2/2022

FIGURE 2

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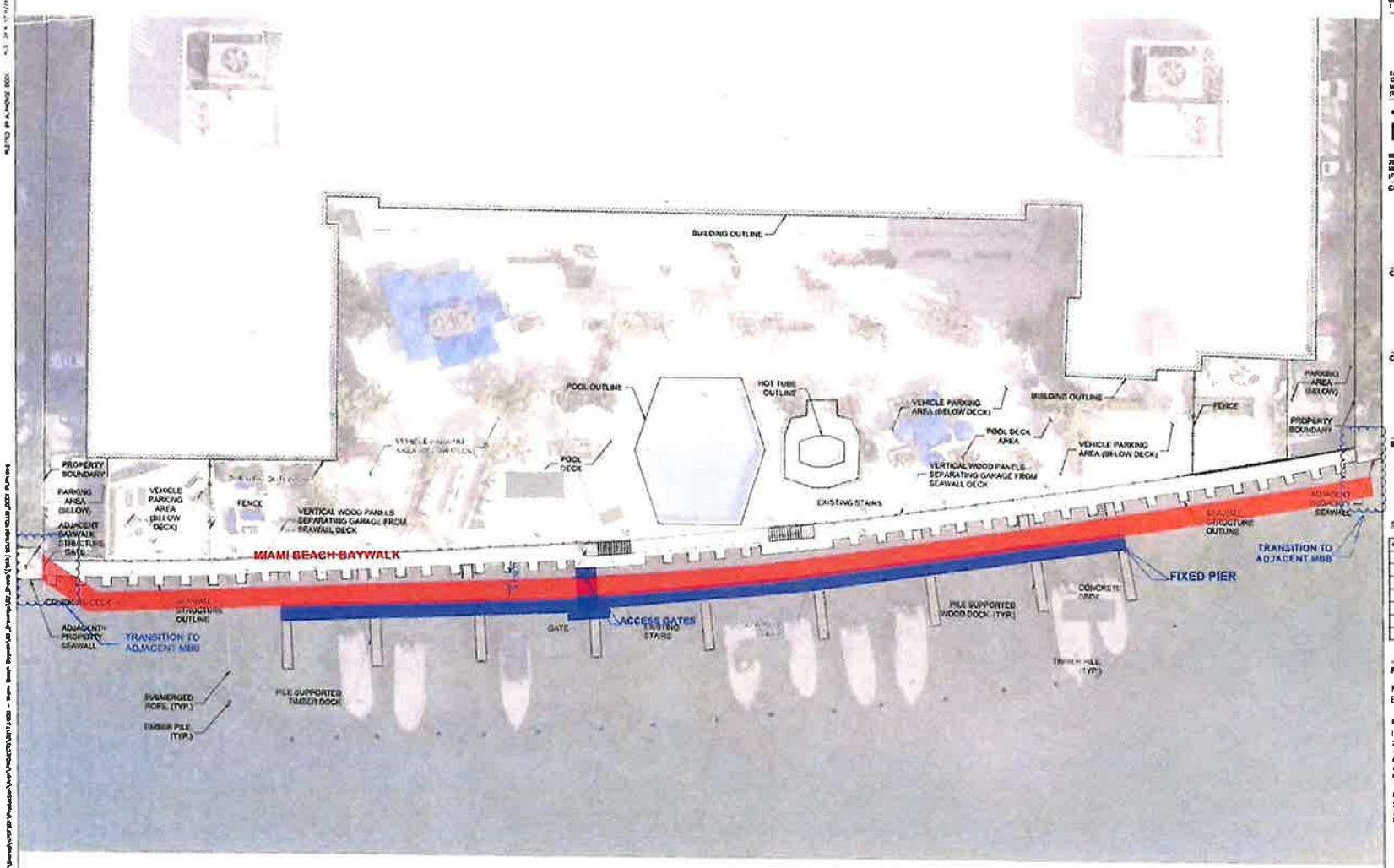
DocuSign Envelope ID: B4B3A998-9B0E-4A2B-B187-48972C5C5C97

Site Development Plan Map



SOUTH BAY CONDOMINIUM - CONCEPT C

SCALE 1/16" = 1'-0"

SCALE 1/16" = 1'-0"

NOTES
1. ALL DIMENSIONS ARE APPROXIMATE AND BASED ON FIELD DIMENSIONS OR AERIAL IMAGERY.
2. STRUCTURE TYPE AND EXTENTS ARE APPROXIMATE AND BASED ON ABOVE WATER FIELD OBSERVATIONS.

MIAMIBEACH

CITY OF MIAMI BEACH
DEPARTMENT OF PARKS
T (305) 868-6888

EDGESCIENCES, INC.
12231 SW 129 COURT ROAD, SUITE 216
MIAMI, FL 33175
(T) 786.547.2582

BERMELLO AJAMIL & PARTNERS, INC.
2601 S BAYSHORE DRIVE, SUITE 1000
MIAMI, FL 33133
(T) 305.858.2024

CONSULTANT

CONSULTANT

CONSULTANT

SEAL

REV	DESCRIPTION	DATE

PROJECT NAME

MIAMI BEACH
BAYWALK STUDY

MARINE STRUCTURES
INSPECTION
2021-12-17

PROJECT ADDRESS
VARIOUS SITES
CITY OF MIAMI BEACH

BA INC. PROJECT NUMBER
21123.000

SHEET NAME

SOUTH BAY CLUB
CONDOMINIUM
OVERVIEW

SHEET NO.

SK-A

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ATTACHMENT E-2
APPLICANT INFORMATION & PROJECT SUMMARY
WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Fort Lauderdale			
Department: Public Works			
Project Title: Riverwalk North Seawall Replacement from Andrews Ave to FEC train track			
Project Director: Jill Prizlee		**Title:**	Chief Engineer
Project Liaison: *(if different from Director)*		**Title:**	
Mailing Address:	101 NE 3rd Avenue Suite 2100		
City: Fort Lauderdale		**Zip Code:**	33301
Email Address: JPrizlee@fortlauderdale.gov		**Phone #:**	954-828-5962
Project Address:	Riverwalk North Boardwalk		

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

SIGNATURE: Jill Prizlee DATE: 3/6/2024

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

The existing seawall located between Andrews Avenue and FEC train track is made of concrete panels with a concrete cap and T piles. Deadmans on landside assured the lateral stability of this old stretch of seawall. The seawall also serves as a line of support for a concrete catwalk (ribbed-slab) that is also supported by spandrel beams and concrete piles. This seawall system retains the subbase for the whole Riverwalk north business area. In the event of a failure, a lot of business would be affected.
The seawall itself is plagued with concrete cracks. the afore-mentioned concrete catwalk ribbed-slab has lost all its reinforcement due to corrosion and can no longer sustain the original design load it was intended to support and may be on the verge of collapse. most of the concrete piles supporting the concrete catwalk are cracked and in some instance missing good chunks of concrete. The seawall as a whole has become a public hazard.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Fort Lauderdale	**Project Title:** Riverwalk North Seawall Replacement from Andrew	
Total Project Cost: $ $9,000,000	**FIND Funding Requested: $** $3,000,000	**% of Total Cost:** 50%
Amount of Applicant's Matching Funds:	$6,000,000	
Source of Applicant's Matching Funds:	City of Fort Lauderdale's General Fund which is included in the adopted FY 2024 Budget. This is the funding source for the 50% matching grant 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:

Public Works Department has not requested funding assistance for this project site previously.

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 no boat ramps, no trailer parking spaces, and currently unsafe for vessels docking parallel along the seawall. The existing 1,700 linear feet of boardwalk and/or seawall previously was used for vessel dockage.

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

Only two (2) fixed docks will be added for the general public use. No additional ramps, parking spaces, nor boat slips will be added to the 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.** Answer to be provided by Parks & Recreation.

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	N/A	N/A
ACOE	Yes	N/A	N/A

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Riverwalk North Seawall Replacement from Andrews Ave to FEC train trac
Applicant:	City of Fort Lauderdale

---

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.)

11. Public waterfront parks and boardwalks and associated improvements.

b) Explain how the project fits this priority category.

After the replacement of the existing seawall, a new boardwalk will be provided. This project will also provide two (2) fixed docks that will serve as additional observation sites. These fixed docks will be provided with amenities such as access steel ramps to adjacent floating docks located in front of the proposed seawall.

(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 will help preserve and enhance the commercial and recreational values of in this downtown location of the New River.

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

This project will provide access to the waterways for the taxi boats that frequently visit the Riverwalk North business area between the FXE train track and the Andrews Avenue bridge.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) **Describe how the project increases/improves boater/public access. Estimate the amount of total public use.**

Floating docks will be provided for boater access and public access to the businesses located on the Riverwalk North. Taxi boats will also have access to the Riverwalk business center through the combination of floating docks and fixed docks. This new seawall and amenities will also serve as anchor for a living seawall that will be used as a pilot project.

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

The purpose of this project is to serve as a catalyst in nurturing Riverwalk and the Riverwalk district as a vibrant community connected by the New River.

c) **Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?**

Boating access will be provided.

(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 currently in bidding phase. Notice to proceed for the design shall be provided on March 15, 2024. Completion of design shall be November 10, 2024. Commencement of construction is scheduled for January 31, 2025 and construction completion is scheduled for January 31, 2026.

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

Businesses along the seawall, annual WinterFest Boat Parade, delivery of materials, contractor staging area, and maintenance of pedestrian traffic.
A unique aspect of this project is the new seawall will also serve as an anchor for a living seawall.

(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 any cash match or matching grant funds.**

City of Fort Lauderdale's General Fund which is included in the adopted FY 2024 Budget. This is the funding source for the 50% matching grant funds.

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

Site conditions will be controlled by business in the area of Riverwalk.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

No fees.

d) If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.

No fees.

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

a) **Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?**

The seawall is very old and it is also undermined which is the root cause of loss of paver subbase into the river. The loss of sub-base sediment is due to the undermining under the seawall. Due to the seawall and concrete catwalk advanced deterioration, the current seawall can no longer sustain the service gravity and lateral live loads it was intended to support, thereby, the existing infrastructure is a public safety hazard.

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

Funding for the maintenance of this infrastructure will be provided through City of Fort Lauderdale's Parks & Recreation bond fund.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?
N/A

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A
EVALUATION WORKSHEET
DEVELOPMENT & CONSTRUCTION PROJECTS
WATERWAY ASSISTANCE PROGRAM FY 2024

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 permits have been applied for to date. After the April 2024 project kickoff meeting, during the design phase permits will be applied for the project.

b) **If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.**

Phase II = Construction phase for $6,000,000 (estimate)

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

During the design phase, permits will be applied for the project. No foreseeable impediments have 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?

The design work has not been completed. No preliminary design has been 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 replacement of the seawall, floating and fixed docks will be provided for the general public. Water quality will not be improved. There is no environmental impact. The proposed seawall will be the anchor for a living seawall pilot program which is designed for the proliferation of marine life.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) **Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.**

Sheet piles will be installed in front of the existing concrete seawall. The sheet piles will be installed as cantilevered sections with a raised seawall cap to meet the current City of Fort Lauderdale's city ordinance on seawall cap elevation.

b) **What is the design life of the proposed materials compared to other available materials?**

Based on past use of galvanized sheet piles and reinforced concrete, the design life expectancy of this project is 50 years.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The seawall contains outfalls for the discharge of storm water which falls in line with the Stormwater Clean Water Act. this demonstrates commitment to environmental compliance and sustainability.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

The proposed seawall cap will be designed as per City of Fort Lauderdale's seawall ordinance.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Riverwalk North Seawall Replacement from Andrews Ave to FEC train track
Applicant:	City of Fort Lauderdale

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Pay Item 1 - Mobilization	755,750	290,500	465,250
Pay Item 2 - Demolition	438,400	276,000	162,400
Pay Item 3 - Construct New Seawall to 5 ft. NAVD	836,400	528,000	308,400
Pay Item 4 - Construct Catwalk	2,975,650	1,882,500	1,093,150
Pay Item 5 - Construct Walkway, and Miscellaneous Improvements	1,283,400	756,000	527,400
Pay Item 6 - Construct Utilities, Power to Boating	1,053,800	906,000	147,800
Pay Item 7 - Construct Floating Docks	488,150	307,500	180,650
Pay Item 8 - Construct Fendering System	309,050	194,100	114,950
****TOTALS =**	**$8,140,600**	**$5,140,600**	**$3,000,000**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Riverwalk North Seawall Replacement from Andrews Ave to FEC train tra
Applicant:	City of Fort Lauderdale

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
March 15, 2024	Design NTP
November 12, 2024	Completion of design
March 15, 2024	NTP for construction
March 15, 2025	End of construction

PROJECT LIMITS



The limits of this project will be as follows.

On the South: a line approximate 50’ south of the existing seawall.

On the North: Will extend to approximate the south line of the following parcels (as per Broward County Property Appraiser website)

- Parcel ID No. 504210012890
- Parcel ID No. 504210920010
- Parcel ID No. 504210CD0010

On the East: The survey will extend to the westerly edge of the existing S. Andrews Bridge of New River Canal.

On the west: The survey will extend approximately 10’ pass of the westerly end of the existing seawall.

ATTACHMENT E-2
APPLICANT INFORMATION & PROJECT SUMMARY
WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Fort Lauderdale			
Department:			
Project Title: Riverland Woods Boat Ramp Renovation PH I			
Project Director: Greg Chavarria		**Title:**	City Manager
Project Liaison: *(if different from Director)*	Jonathan Luscomb	**Title:**	Marine Facilities Supervisor
Mailing Address:	450 SW 7th Ave.		
City: Fort Lauderdale, Florida		**Zip Code:**	33312
Email Address: jluscomb@fortlauderdale.gov		**Phone #:**	954-828-5343
Project Address:	3950 Riverland Road, Ft. Lauderdale, FL 33312		

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

SIGNATURE: _____ DATE: 3/27/24

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

The Riverland Woods Boat Ramp is a single bay launch ramp. Originally designed and intended as a local neighborhood ramp, the ramps usage has drastically increased due to the increase in county wide boat usage, area population and boat population. On weekends and holidays the ramp is busy and very congested during peak launch and load times. The renovation will consist of widening the existing ramp and adding floating staging docks. to alleviate congestion and reduce launch and retrieval times. This application is for Phase I Design and permitting funding assistance.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3
PROJECT INFORMATION
WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Fort Lauderdale	**Project Title:** Riverland Woods Boat Ramp Renovation PH I	
Total Project Cost: $ 150,000	**FIND Funding Requested: $** 75,000	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	75,000	
Source of Applicant's Matching Funds:	Fort Lauderdale General Fund - Grant Match Account	

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):

Currently there is one boat ramp, 2 fixed staging docks and nine trailer parking places.

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

It is intended to widen the existing ramp (double bay)in order to reduce wait times to haul and launch and we intend to increase the ramp's staging areas by adding longer and floating 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	No		
DEP	No		
ACOE	No		

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4
EVALUATION WORKSHEET
WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Riverland Woods Boat Ramp Renovation PH I
Applicant:	City of Fort Lauderdale

---

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.)

6. 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 to renovate and improve the utility of a existing boat launch ramp. The project will consist of widening the existing ramp and increase the ramp's staging area by adding floating staging docks. Widening the ramp will allow for two (2) boats to launch/retrieve simultaneously. The added area of staging docks will increase efficiency and waterway congestion created by boats milling around waiting to retrieve.

(For reviewer only)
Max. Available Score for application 47

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

---

2) WATERWAY RELATIONSHIP:

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

Riverland Woods Boat Ramp is located on the South Fork of the New River which flows into the Atlantic Intracoastal Waterway (ICW). The project will increase/improve public access to the ICW.

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

The project will increase/improve public access to the ICW from the South Fork of the New River and to the Atlantic Ocean.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

With a widened ramp and increased staging docks, two boats can launch and retrieve simultaneously which improves efficiency, speed and reduces water congestion of boats waiting to use the ramp.

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

The ramps are available for general public use on a first-come-first-served basis this includes visitors from other counties and cities.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

No it has not. The abutting waterway is already speed restricted by the Florida Fish and Wildlife Commission as "slow speed all year" (68C-22). If necessary the Sponsor could follow FS 327.46 (1)(b) and reduce the speed to idle speed if there are safety issues identified in the future. The ramp has been there for years and no safety issues have been reported.

(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.

No Design and permitting work has be completed. If funding awarded in October 2024, Consultant bid package could be issued in June of 2025 and project completion by September 2026. Please see attachment E-6.

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

There are no unique aspects anticipated which would influence the project time line.

(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 any cash match or matching grant funds.

The City of Fort Lauderdale budgets for grant match funding every year. If awarded, the City will allocate appropriate funds for this project from that grant match fund.

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

This project is Phase I Design and permitting and no material costs are anticipated.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

No fees are charged to park a trailer or to launch at this facility.

d) If there are any fees, please explain where these fees go and what they are used for. 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) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

The project expands access to the District's waterways for local and visiting boaters while relieving heavy congestion at other area ramps. As the population in Broward County grows, so do boat owners and users of the waterways. According to the Marine Industries Association of South Florida, there are 7 boats for each slip in the Tri-County area. New boat sales have also have been very strong. Together, this means more boats need launch ramps in order to get to the waterways of the City and the ICW. Existing Facilities are overflowing due to the aforementioned statistics and are limited in their respective capacities due to land size. More ramps mean more access. Wider ramps and more staging docks ease congestion and increase efficiency.

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

Regularly scheduled maintenance is and will be performed under an annual maintenance budget line item of the Parks and Recreation Department - Riverland Woods Park. Repairs are now made in a timely manner as needed and the ramps are pressure washed bi-monthly.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

Yes- increasing park access by water is an initiative in the City's "Press Play Fort Lauderdale" Strategic Plan 2035.

(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
EVALUATION WORKSHEET
DEVELOPMENT & CONSTRUCTION PROJECTS
WATERWAY ASSISTANCE PROGRAM FY 2024

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 in place for the existing ramp. Permits are not in place for new and expanded staging docks or the expansion of the ramp.

b) **If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.**

It is estimated that the project construction costs will be approximately $600,000

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?

We have renderings of the completed project, but no contruction drawings yet.

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 addition of more staging docks and the widening of the existing dock will enhance public usage.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) **Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.**

The Construction techniques utilized are common for this type of project. We expect a poured ramp which sits on sheet piling with a tire stop. The floating Docks will be eith concrete cubes or concrete with aluminum decking. A "ground out " dock/ramp system will be explored. The ground out dock system rather than a gangway provides for more control of the boat while launching and retrieving. Costs may be slightly higher, but the system improves the ramps access.

b) **What is the design life of the proposed materials compared to other available materials?**

We expect a useful life of the ramp and concrete docks to be 25 years rather than other systems of polyethylene cubes and aluminum framing docks which have proven to ahve higher maintenance costs and shorter design life.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The existing ramp has been there a long time. The city maintains the ramp and the park very well by controlling vegetarian run off and trash receptacles. In another phase of this project, a free self serve pump out system and potty- dump will be added further upland to avoid congestion at the ramp and to encourage users not to discharge in the waterways.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

Elevation at this project is already quite high and the facility is inshore approximately 6 miles as the crow flies. That said the addition of floating docks potentially will offset seasonal king tides of flooding events.

(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
PROJECT COST ESTIMATE
WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Riverland Woods Boat Ramp Renovation PH I
Applicant:	City of Fort Lauderdale

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Phase I Design and Permitting Riverland Woods Boat Ramp	150000	75000	75000
****TOTALS =**	**$150000**	**$75000**	**$75000**

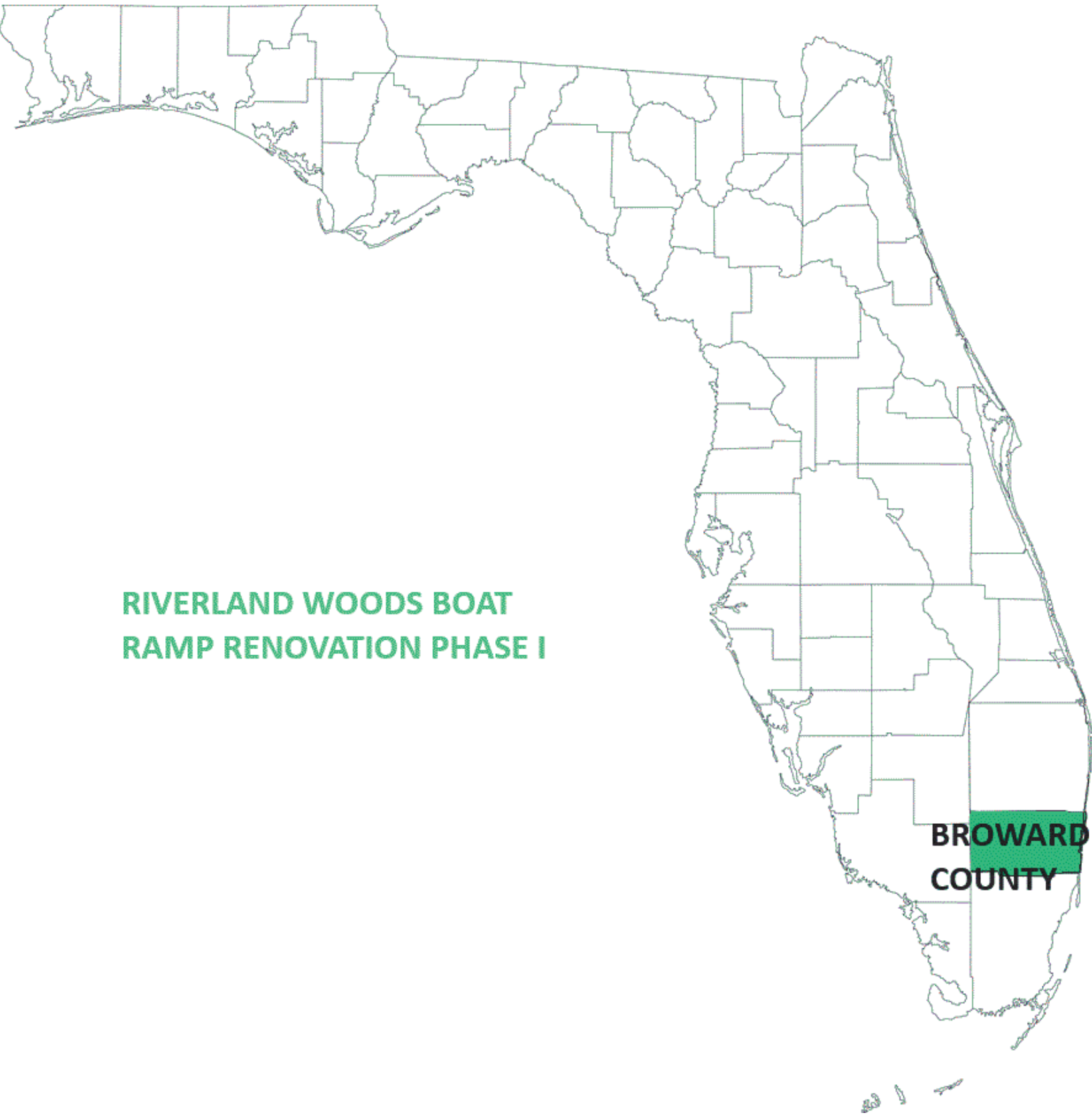
Form No. 90-25 (New 10/14/92, Revised 04-24-06)

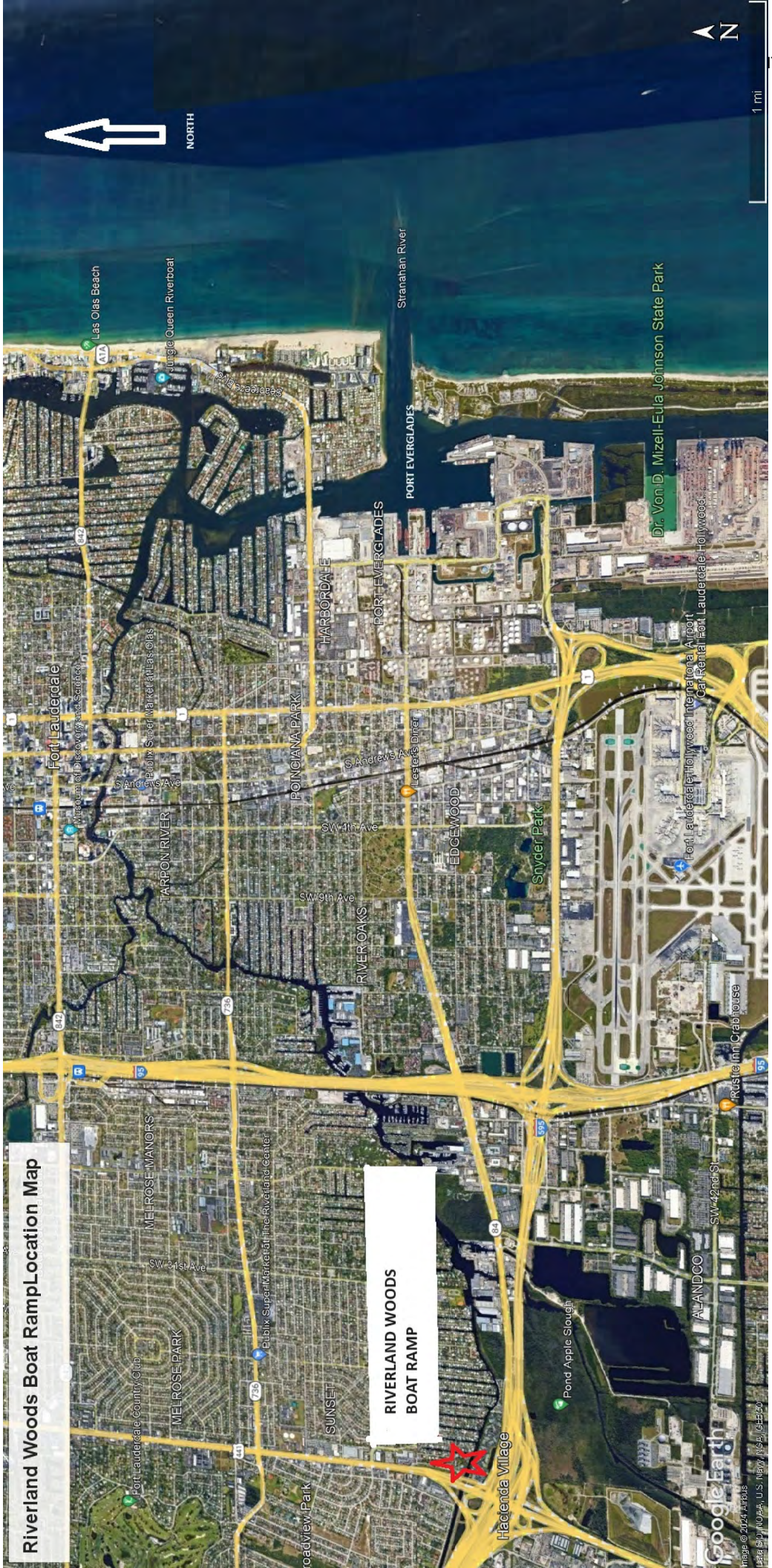
ATTACHMENT E-6
PROJECT TIMELINE
WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Riverland Woods Boat Ramp Renovation PH I
Applicant:	City of Fort Lauderdale

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.
NOTE: All funded activities must begin AFTER October 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
October 2024	Grant Award
January 2025	Grant Execution
March 2025	Prepare Bid Packet
May 2025	Publish/Issue Bid Packet
August 2025	Award and Contract Consultant
August 2026	Project Completion


RIVERLAND WOODS BOAT
RAMP RENOVATION PHASE I
BROWARD
COUNTY


Riverland Woods Boat RampLocation Map
RIVERLAND WOODS BOAT RAMP
NORTH
1 mi
Las Olas Beach
Jungle Queen Riverboat
Stranahan River
PORT EVERGLADES
Dr. Von D. Mizell-Eula Johnson State Park
HARBORDALE
PORT EVERGLADES
Fort Lauderdale
POINCIANA PARK
S Andrews Ave
Lester's Diner
SW 4th Ave
EDGEWOOD
Snyder Park
TARPON RIVER
SW 9th Ave
RIVER OAKS
Fort Lauderdale Hollywood International Airport
Car Rental Fort Lauderdale-Hollywood
Rustic Inn Crabhouse
SW 42nd St
MELROSE MANORS
SW 31st Ave
Publix Super Market at The Riverland Center
MELROSE PARK
Fort Lauderdale Country Club
SUNSET
Pond Apple Slough
ALANDCO
Hacienda Village
Google Earth


Riverland Woods Boat Ramp Renovation PH I Project Boudary Map
Whale Harbor Ln
The Professional Dog Walkers and Pet Sitters
Riverland Rd
RIVERLAND WOODS
BOAT RAMP
Proposed Additional Floating
Staging Docks
NOT TO SCALE
Proposed addition to existing Ramp
Google Earth
N

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Oakland Park			
Department: Public Works			
Project Title: Dewey Hawkins Boat Ramp			
Project Director: Albert Carbon		**Title:**	Public Works Director
Project Liaison: *(if different from Director)*		**Title:**	
Mailing Address:	3650 NE 12th Avenue		
City: Oakland Park		**Zip Code:**	33334
Email Address: AlbertC@oaklandparkfl.gov		**Phone #:**	954-630-4458
Project Address:	2960 NE 12th Terrace, Oakland Park, FL 33334		

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

SIGNATURE: Albert J. Carbon III DATE: 3/11/2024

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

Oakland Park's J. Dewey Hawkins Landing serves as the City of Oakland Park's only public boat launch facilty. The site provides direct access to the north fork of the Middle River and connection to the AICW and other regional waterways. The facility also includes an accessible launch for kayak, canoe, and standup paddleboard enthusiasts. This City-owned facility also includes a dock, picnic area, and parking area for trailers and cars.

The City has completed the design process to redevelop the facility to increase access, safety, and resiliency. These improvements include renovation of the following elements:

- Boat Ramp
- Seawall/Bulkhead
- Dock structures
- Kayak Launch

Once complete, the improved facility will provide free access to the water for not only Oakland Park residents but also visitors from across the County and the east coast of Florida. The design and construction techniques will ensure the project will meet the demands of users for decades to come and ensure this critical access, even as changes in the climate continue to increase sea levels, threatening coastal resources.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Oakland Park	**Project Title:** Dewey Hawkins Boat Ramp	
Total Project Cost: $ 400,000	**FIND Funding Requested: $** 200,000	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	200,000	
Source of Applicant's Matching Funds:	City of Oakland Park CIP Funds	

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:

The District provided Phase I funding for this project in 2023. This funding, in the amount of $61,517, was for 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):

Current public access consists of one boat ramp, a kayak/canoe launch, and 580 SF of metal boat docks. The site also provides public parking with three trailer parking spaces and six vehicle parking spaces.

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

The project will not add any additional public access but will greatly enhance the existing facilities, which are currently not able to support the demand for waterway 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	11/27/23	12/18/23 Exempt
DEP	No		
ACOE	Yes	11/28/23	TBD

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Dewey Hawkins Boat Ramp
Applicant:	City of Oakland Park

---

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.)

6. Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities.

b) Explain how the project fits this priority category.

The proposed project consists of improving public boat launching facilities and shoreline stabilization. The project will further Category #6 as identified above.

(For reviewer only)
Max. Available Score for application 47

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

---

2) WATERWAY RELATIONSHIP:

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

The project will enhance access and safety for boaters by improving public launch facilities that allow for direct access to the ICW. Increasing access and safety for boaters to the ICW will further the mission of the Navigation District.

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

The improvements to the boat launch, docking facilities, bulkhead, and kayak/canoe facilities at the park will increase public access to the ICW and other adjoining waterways. The new docks will be safer and more resilient. The restoration of the seawall will protect the waterway and the boaters using it. These enhancements will serve both those launching from the site and those visiting the park by boat.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

The project site is a popular public access facility for recreational boaters including kayaks. The site is the only public launch facility the City operates. The improvements to the ramp, docks, and seawalls will enhance access and safety for not only boaters and their guests but also vessels themselves. Once complete, the project will allow for greater usage of the facility and meet the growing demand for launch facilities.

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

The site is open to all residents and visitors. While local residents are the primary users, visitors from all over the area will be able to enjoy the site due to free parking and boat access. Boaters and kayakers from all of the District's counties will be able to launch or visit the park by water as a destination off the ICW.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

No restrictions have been placed upon the site or the adjacent waterway.

(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 City has completed design and permitting for the project. Permits have been applied for with several obtained and the remaining expected shortly. Once obtained, the project will be ready to bid by October 2024. Once a contractor is selected, the construction activities will take 10-12 months to complete from the City's notice to proceed.

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

There are no unique aspects to the design and construction that would delay the project. However, weather events, such as hurricanes and the availability of materials, could impact the 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 including any cash match or matching grant funds.**

The City was awarded $60,000 for construction from a CPI grant. In addition, the City has a grant application pending with the LWCF grant program. These funds, in addition to City funding, will represent the matching funds and a majority 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 engineer's cost estimate has factored in an increase in the cost of materials that might occur when the project is bid in late 2024 or early 2025. If additional funding is needed, the City is prepared to provide the resources needed for completion.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

The facility is free to the public. No fees for any use of the park or the boating facilities are required.

d) If there are any fees, please explain where these fees go and what they are used for. 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) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

The demand for public access to the waterways has grown significantly with a large increase as a result of COVID-19. With outdoor activities, such as boating, attracting more people, the need to renovate and improve the boating facilities at the site is a top priority. Currently, the site cannot safely provide this access and is not open for use. As the only City-owned launch facilities, the site needs to be enhanced to meet not only current demand but also long-term levels of service.

In addition to meeting the growing demand of the existing facilities, the need to improve the safety and resiliency of the facilities is another need the project will address. The new docks and seawall will be constructed of materials and installed with decades of useful life in mind even as sea levels continue to rise. The docks will also be enhanced for better use and safety. Overall, the project will result in a facility with increased capabilities, enhanced safety, and a longer lifespan.

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

The City appropriates funding for the maintenance of its parks as part of its annual operating budget process. The City Commission is committed to providing effective and safe facilities and will continue to provide funding for the maintenance of the site and its boating facilities each year in the Public Works operating budget.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

The project's importance to the City and its management of coastal resources and public access to the water is identified in the adopted Comprehensive Plan and has further been identified in the ongoing Comprehensive Plan update, which will be complete in the next year. The need to improve the seawall was also identified in the Stormwater Master Plan updated last year. As one of four City-owned seawalls, the facility is critical for flood protection and protecting the safety of park users and the navigable waterway.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 been applied for. The status is below:

- SFWMD ERP/ Sovereign Submerged Lands: Completed
- Broward County Environmental Resource General License: Completed
- USACE 404 : Already submitted - Submitted and Pending Review

b) If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.

The proposed project is for Phase II, construction.

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

As part of the completed final design and almost complete permitting, there were no impediments identified that would delay timely issuance of the permits needed to complete 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?

The City has engaged a design consultant to complete design and permitting. The final design has been completed and most permits obtained with the ACOE permit expected by summer of 2024.

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 improvements to the facilities, including the seawall, will allow the City to provide access to the water well into the future, even as sea levels continue to rise, increasing tidal and compound flooding. The resiliency of the project is not only a great cost benefit to the users but also to those living around the site as flood protection will be enhanced.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

The City will utilize the completed design to engage a qualified contractor to complete construction of the project. The scope of work for the project consists of general requirements, protections for the waterway during construction, and monitoring. Construction includes clearing and demolition of the existing ramp and bulkhead. Once the site is prepared, the contractor will install new bulkhead piles, wall panels, and concrete cap.

A 1,000 SF concrete boat ramp will be constructed along with new metal boat docks. In addition, a new kayak launcher and site restoration will be part of the proposed scope of work. All materials used will be selected based on reliability, safety, and availability.

b) What is the design life of the proposed materials compared to other available materials?

The City will require that the design and construction result in facilities with no less than a 20 year effective lifespan. However, many of the elements of the project will have a useful life well past that minimum threshold.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

Furthering the City's commitment to protecting the environment, the site and the proposed improvements will benefit the surrounding natural resources through sustainability. The materials being used will not deteriorate at the rate previous facilities would. This will result in less impact on the waterway. In addition, the lifespan of the materials will require less invasive maintenance, resiliency from damage caused by sea-level rise and changes in the climate, as well as increase use.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

Similar to most of the City, the project site experiences significant impacts from sea-level rise. Replacement of the existing ramp, docks, and bulkhead with better construction and more resilient materials will further the City's efforts to address the impacts of sea-level rise. These materials will be able to withstand the conditions that come with rising seas, tidal flooding, and more frequent and severe storms resulting in compound flooding. The need for the enhancements to the seawall were identified in the Stormwater Master Plan and Vulnerability Assessment, which focused on mitigating the impacts of sea-level rise.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Dewey Hawkins Boat Ramp
Applicant:	City of Oakland Park

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Construction of Concrete Boat Ramp	150,000.00	75,000.00	75,000.00
Construction of Boat Docks	200,000.00	100,000.00	100,000.00
Installation of Kayak Launch	50,000.00	25,000.00	25,000.00

****TOTALS =**	**$ 400,000.00**	**$ 200,000.00**	**$ 200,000.00**

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

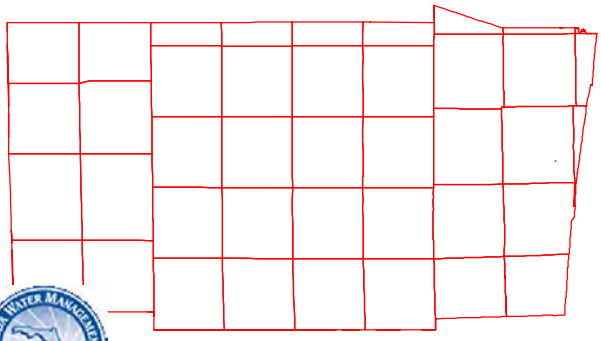
Project Title:	Dewey Hawkins Boat Ramp
Applicant:	City of Oakland Park

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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
October 2024	Project/Grant Period Begins
December 2024	Bidding - Selection of Contractor
January 2025	Notice to Proceed Issued
February 2025	Construction Begins
February 2026	Construction Complete





BROWARD COUNTY, FLORIDA

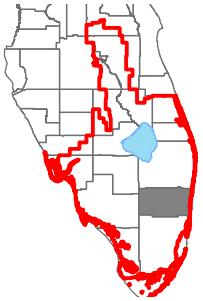
Application

N

Application No: 231127-41394

Exemption No: 06-110017-P

Project Name: DEWEY HAWKINS LANDING BOAT RAMP



Map Date: 2023-12-12

0 0.02 0.04 Miles

Exhibit No: 1.0

J. Dewey Hawkins Landing



J. Dewey Hawkins Landing-Boundary Map



Property Id: 494226200010

2960 NE 12th Terrace, Oakland Park, FL 33334

1:600

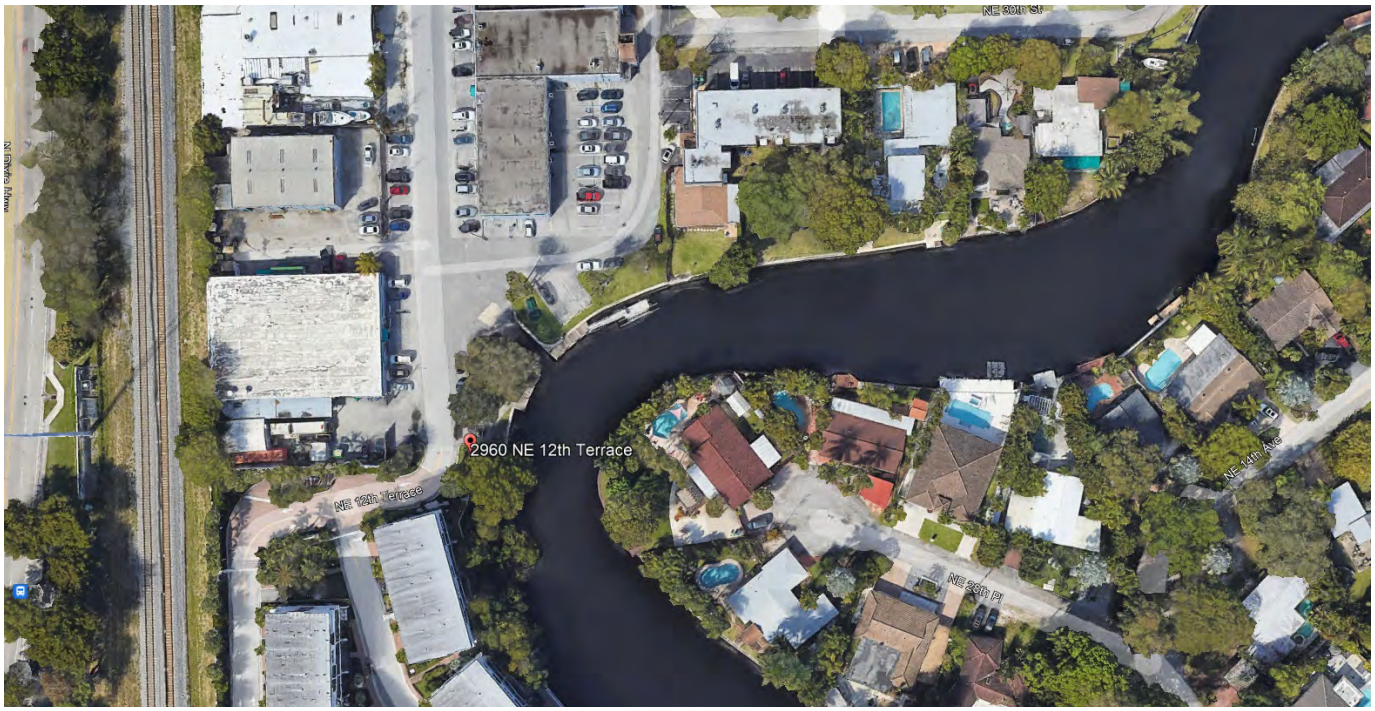
0 25 50 100 ft

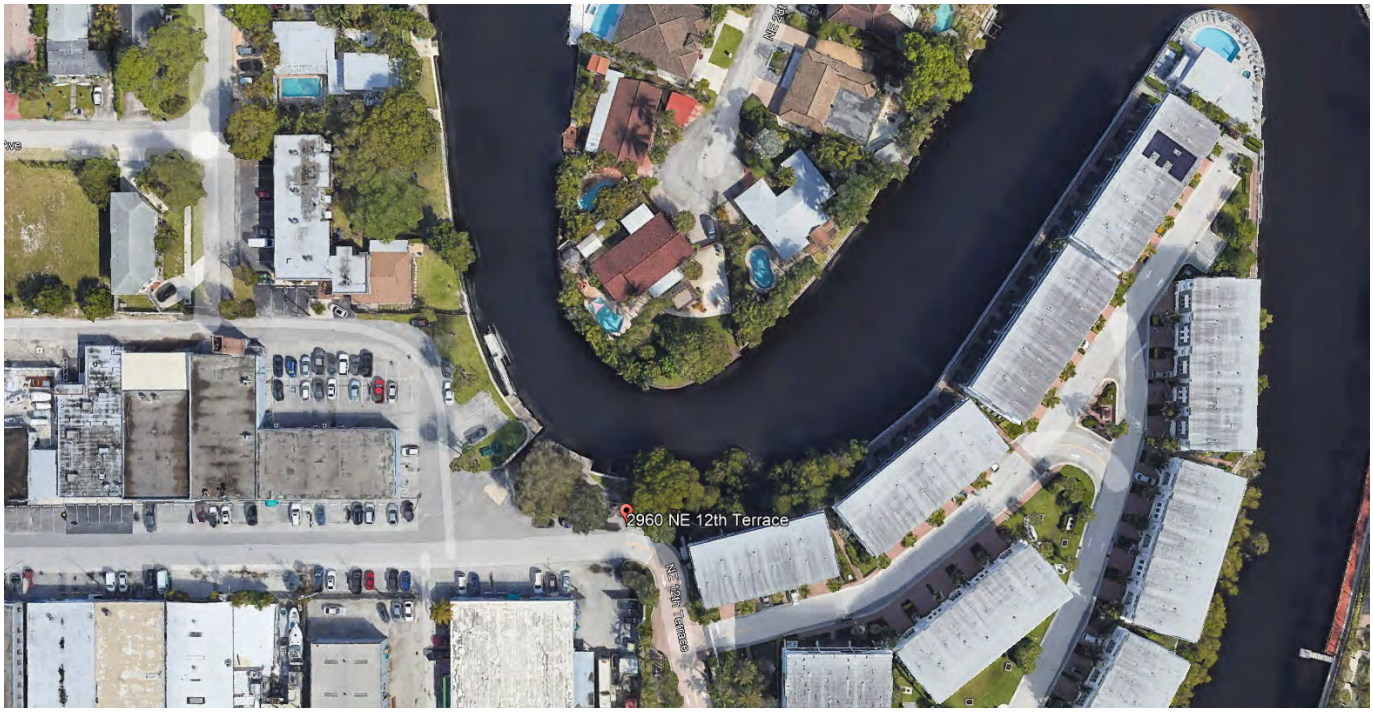
0 5 10 20 m

Flight Date : Jan. 14 to Jan. 29, 2022 Broward County Property Appraiser

EXISTING CONDITIONS PHOTOGRAPHS







EXISTING CONDITIONS PHOTOGRAPHS











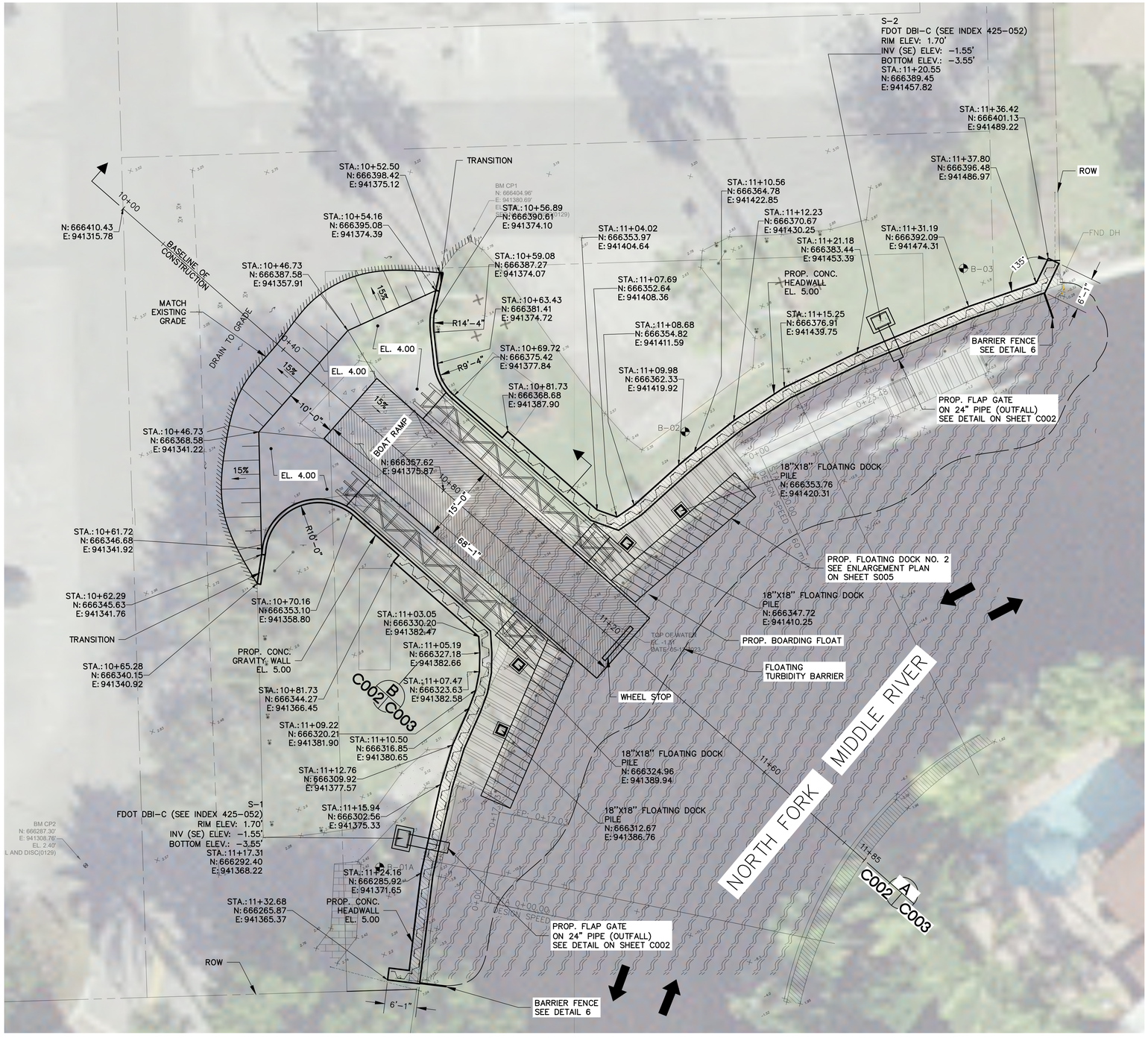
EXISTING CONDITIONS PHOTOGRAPHS







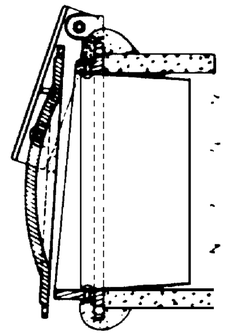




PROPOSED SITE PLAN

SCALE: 1" = 10'





FLAP GATE DETAIL

SCALE: N.T.S.

WITH SETTING COLLAR
(FOR CONCRETE PIPE)

R.J.Behar & Company, Inc.
Engineers • Planners
6961 SW 196TH AVENUE, SUITE 502
PEMBROKE PINES, FL 33332
PHONE: 954-680-7771, FAX: 954-680-7781

CITY OF OAKLAND PARK FLORIDA

DEWEY HAWKINS LANDING
BOAT RAMP PROJECT
CITY OF OAKLAND PARK
PUBLIC WORKS DEPARTMENT

NOT FOR CONSTRUCTION

RJB PROJ. No: 23020		
DATE: 8-11-2023		
DESIGN: JC	DRAWN: HR	CHECK: GD

REVISIONS:

SHEET NAME:

PROPOSED
SITE PLAN

C002

SHEET 6 OF 13

F:\23020_DEWEY HAWKINS LANDING BOAT RAMP\CAD\PLAN & PROFILE.DWG 11/13/23 by EALDANA

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: Broward County			
Department: Parks and Recreation Division			
Project Title: Anne Kolb Nature Center at West Lake Park Aquarium Replacement, Phase I			
Project Director: Kelton Harvey		**Title:**	Senior Program/Project Coordinator
Project Liaison: *(if different from Director)*	Cheri Gagné	**Title:**	Contract/Grant Administrator
Mailing Address:	950 NW 38th St		
City: Oakland Park		**Zip Code:**	33309
Email Address: cgagne@broward.org		**Phone #:**	954-357-8755
Project Address:	751 Sheridan St. Hollywood, FL 33019		

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

SIGNATURE: Gagne, Cheri Digitally signed by Gagne, Cheri Date: 2024.04.01 11:43:02 -04'00' DATE: 4/1/24

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

This project is to replace the former salt-water aquarium, a key feature since 1996, at the Anne Kolb Nature Center with a modern design that integrates advanced display features, lighting enhancements, and sustainable elements. Anne Kolb is located in West Lake Park along the Intracoastal Waterway (ICW). The new aquarium, ranging from 3,000 to 6,500 gallons, will be a focal point of the exhibit hall, showcasing a commitment to environmental compatibility through climate-resilient systems. Upgrades to aquarium filtration and pumping systems will ensure optimal water quality and marine life health. Additionally, the project includes the installation of a new HVAC system, providing efficient cooling, heating, and crucial dehumidification to safeguard the interior building systems from environmental impact. It's worth noting that the old aquarium has already been removed, creating a ready space for the installation of the new aquarium. This is a Phase I project for design, engineering, and permitting.

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: Broward County	**Project Title:** Anne Kolb Nature Center at West Lake Park Aquarium Replacement, Phase I	
Total Project Cost: $ 556,700	**FIND Funding Requested: $** 278,350	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	$278,350	
Source of Applicant's Matching Funds:	Broward County General Capital Budget	

1. Ownership of Project Site (check one): Own: ○ Leased: ◉ Other: ○

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

The Board of Trustees of the Internal Improvement Trust Fund holds the title to the grant site. Broward County is the sublessee, and the Department of Natural Resources of the State of Florida is the sublessor. The lease was executed in 1986 for a term of 50 years for the land to be purposed for environmental protection and compatible public outdoor recreation. The building is owned by Broward County.

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

4. If yes, please list:

Assistance was provided for nature center exhibits and a canoe and kayak rental facility prior to 1996. Assistance was provided for a 200-foot dock on the Intracoastal Waterway. Assistance was previously provided for this project in 2013, but Broward County withdrew our application.

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 200-foot boat dock as well as approximately 3 miles of trails/boardwalk at Anne Kolb Nature Center.

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

No additional ramps, slips, or parking spaces 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	N/A		
DEP	N/A		
ACOE	N/A		

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Anne Kolb Nature Center at West Lake Park Aquarium Replacement, Phase I
Applicant:	Broward 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.)

14. Waterway related environmental education programs & facilities.

b) Explain how the project fits this priority category.

The Anne Kolb Nature Center hosts environmental field trips and walking trails and waterway overlooks for visitors and groups. The nature center's eastern border is on the Intracoastal Waterway that feeds waters into West Lake. Replacing the aquarium at the nature center will contribute to a broader understanding of the coastal environment.

(For reviewer only)
Max. Available Score for application 44

Question 1. Range of Score (1 to 2 *points)*

---

2) WATERWAY RELATIONSHIP:

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

Anne Kolb Nature Center is part of West Lake Park, which has 3.5 miles of shoreline along the ICW in Hollywood, FL. The location of Anne Kolb Nature Center's proximity to the ICW provides a unique opportunity to educate the public on the importance of coastal waters and their inhabitants.

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

The replacement of the Anne Kolb aquarium will include information on the ICW allowing patrons to broaden their understanding of the vital economic, recreational, and ecological importance of the ICW.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) **Describe how the project increases/improves boater/public access. Estimate the amount of total public use.**

The Anne Kolb Nature Center provides a unique learning experience for local patrons and tourists. The center is frequently visited by school groups learning about mangrove ecosystems. Additionally, our proximity to Port Everglades, Fort Lauderdale-Hollywood International Airport, and Hollywood Beach makes us a convenient stopover for Port Everglades cruise ship visitors looking for an eco-tourism experience.

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

The aquarium was a focal point of programming at the nature center. Public programs, special events, and group tours are offered to promote environmental awareness for both residents and visitors to Broward County. This aquarium would provide a positive learning experience that will benefit the public and broaden understanding of the marine environment. Additionally, a 200-foot day dock in the ICW, which was funded by FIND, allows transient boaters the ability to visit the nature center by water.

c) **Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?**

There are no plans to implement any boating access, speed zones, commercial access, or other restrictive uses of this site. However, with FIND support, directly across the ICW at Hollywood North Beach, Broward County Parks and Recreation is constructing mooring fields in the coves north and south of Sheridan Street. Patrons of this facility will also be able to visit the Anne Kolb nature center via land or water.

(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 exhibit hall is currently closed for renovations and is expected to open in 2024. Several displays have been updated or added including a sea turtle display, a manatee display, new bird call podiums, and graphic panels about Anne Kolb and the West Lake story. During these renovations, the old aquarium that was shut down in 2017 due to leaking and corrosion was removed. Phase I is expected to be completed in 2025 and construction is expected to be completed in 2028.

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

There are no unique aspects 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 including any cash match or matching grant funds.**

Matching funds will be provided by the Broward County.

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

There are no anticipated increases in costs due to site conditions or materials to be utilized.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

There are no fees associated with the use of this facility.

d) If there are any fees, please explain where these fees go and what they are used for. 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) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

In 1996 a 3,500-gallon saltwater aquarium was installed at Anne Kolb Nature Center and since it's installation it has been the anchoring feature inside the exhibit hall. Water flowed through three separate tanks representing high tides, changing tides, and low tides. Programming that centered around the aquarium included naturalist-led tours, school field trip presentations, S.T.E.M. based curriculum, daily fish feeding presentations, Boy and Girl Scout programs, and themed events such as Earth Day and Oceanfest activities.

Decades later, however, the aquarium began to leak and corrode, resulting in its eventual closure in 2017 and removal in 2022. As the focal point of the nature center, replacing this aquarium will elevate the experience of visitors and educate them on the habitats of the ICW.

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

Management and upkeep will be the responsibility of the Broward County Parks and Recreation Division.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

Replacement of the aquarium at Anne Kolb Nature center is referenced in the 2022 Broward County Parks and Recreation Master Plan.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4B

EVALUATION WORKSHEET

ENVIRONMENTAL EDUCATION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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?**

The Primary target audience consists of residents, students, and visitors of Broward County. The target audience is based on current patron usage.

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

Broward County Parks and Recreation utilizes Customer Service Satisfaction surveys to determine visitor satisfaction and comments. In addition, starting in 2020, and lead by PROS Consulting, inc., a community-input driven process was initiated and culminated in the Broward County Parks and Recreation Division's first system-wide Master Plan.

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

In fiscal year 2023, approximately 296,000 people visited Anne Kolb Nature Center. It should be noted that the exhibit hall was closed for renovations in September 2022 and is expected to reopen in March 2024. In fiscal year 2022, when the exhibit hall was open most of the year, approximately 395,000 people visited Anne Kolb Nature Center. Measurable results will be determined through visitor counts and customer satisfaction surveys.

(For reviewer only)
(1-5 points)

---

8) DELIVERABLES:

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

This is a phase I project and would include design, engineering, and permitting of an aquarium at Anne Kolb Nature Center which offers a museum quality exhibit hall.

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

The aquarium will be installed in the Anne Kolb Nature Center exhibit hall. Broward County Parks and Recreation Division promote the nature center through print materials, advertising, the internet, and social media through our in-house Public Communications and Outreach Group.

(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.**

Broward County Parks and Recreation has a committed staff dedicated to environmental interpretation as well as a proven track record of developing four world class interpretive centers with a staff of project managers, engineers, biologists, and naturalists who all contribute to environmental interpretation projects. Projects include the development of programming at 20 natural areas and hydrological restoration projects.

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

Joanne Howes is a park manager at Anne Kolb Nature Center and has been stationed there since the nature center opened. She has been overseeing naturalist activities for over 27 years. Ms. Howes has great insight into the workings of the exhibit hall and oversees the interpretation programs provided by the nature center and has fabricated many additions to the exhibit hall to date. In addition, Ms. Howes has previous experience in the development of an aquarium and marine environmental education programs. The aquarium development portion, for which Ms. Howes has experience, includes tank construction, specimen acquisition, and maintenance.

(For reviewer only)
(1-2 points)

10) PROJECT GOALS:

a) What are the long-term goals of this project as it relates to the ICW?

Our long-term goals are to educate visitors about the importance of the interaction of mangrove estuaries as well as the importance of the ICW for tourism and business, up and down the east coast of Florida. Current issues will also be interpreted such as sea level rise. This aligns with Broward County's goals of cultivating community life-long learning and ensuring resilient infrastructure and environmental protection.

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

The exhibit will be open daily (excluding Christmas and the day after Thanksgiving) allowing for patron usage.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Anne Kolb Nature Center at West Lake Park Aquarium Replacement, Phase I
Applicant:	Broward County

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Planning & Design Fees	439,400.00	219,700.00	219,700.00
Permits	117,300.00	58,650.00	58,650.00

**TOTALS =	$ **556,700.00**	$ **278,350.00**	$ **278,350.00**

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Anne Kolb Nature Center at West Lake Park Aquarium Replacement, Phase I
Applicant:	Broward County

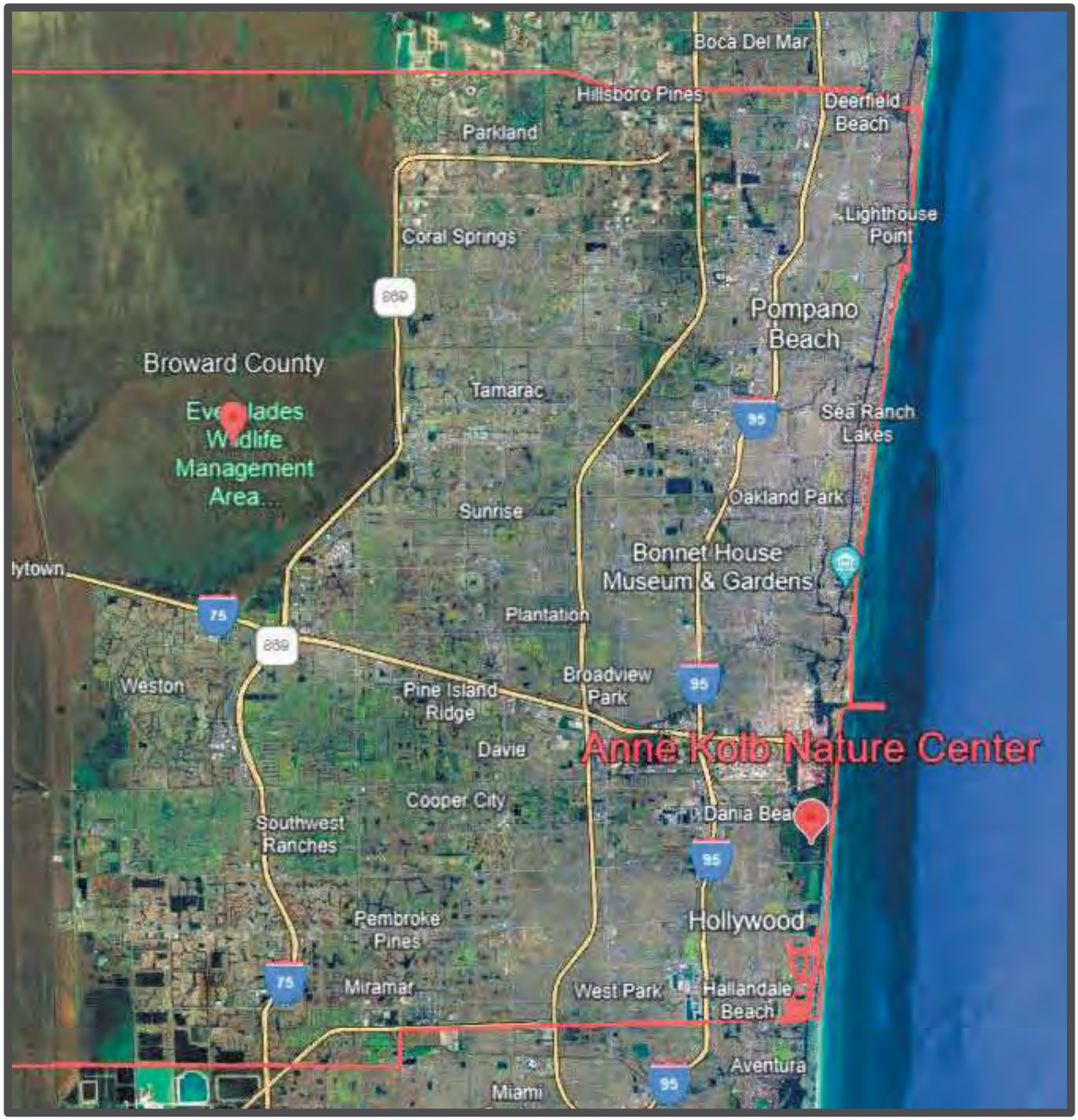
The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

NOTE: All funded activities must begin AFTER October 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
October 2024	Phase I Project Agreement Executed
November 2024	Design, Planning, and Permitting
October 2025	Phase I Completion
November 2025	Contract Bidding
July 2026	Construction Begins
September 2028	Construction Completion

BROWARD COUNTY ANNE KOLB NATURE CENTER

Location Map



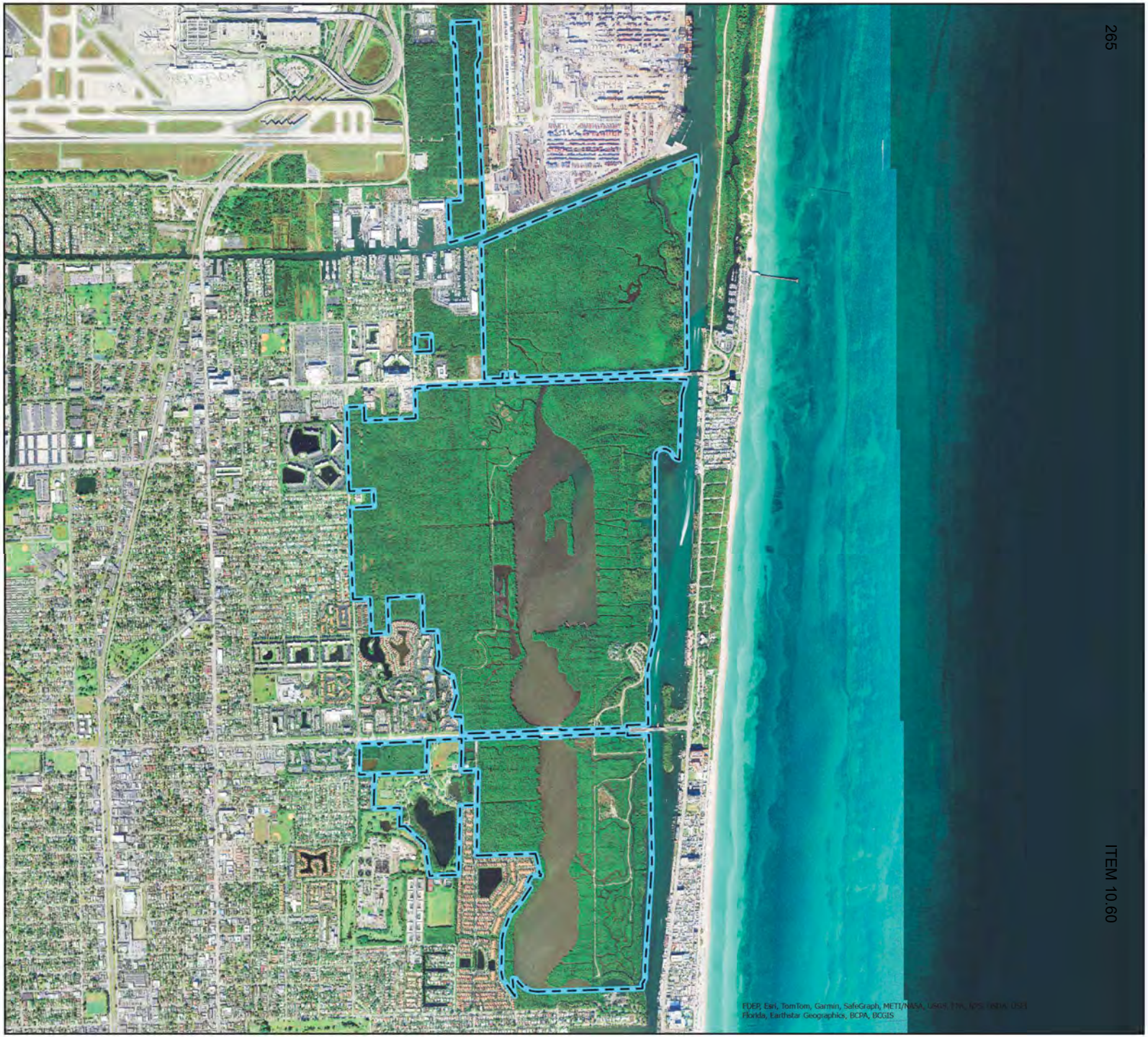
Parks & Recreation
Environmental Management Group

BROWARD COUNTY FLORIDA PARKS AND RECREATION



West Lake Park Project Boundary Map

Park Boundaries



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rstolee 3/1/2024

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265
ITEM 10.60

Parks & Recreation
Environmental Management Group

BROWARD COUNTY FLORIDA PARKS AND RECREATION



Anne Kolb Nature Center at West Lake Park

Site Development Map



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rstolee 3/1/2024

ITEM 10.60

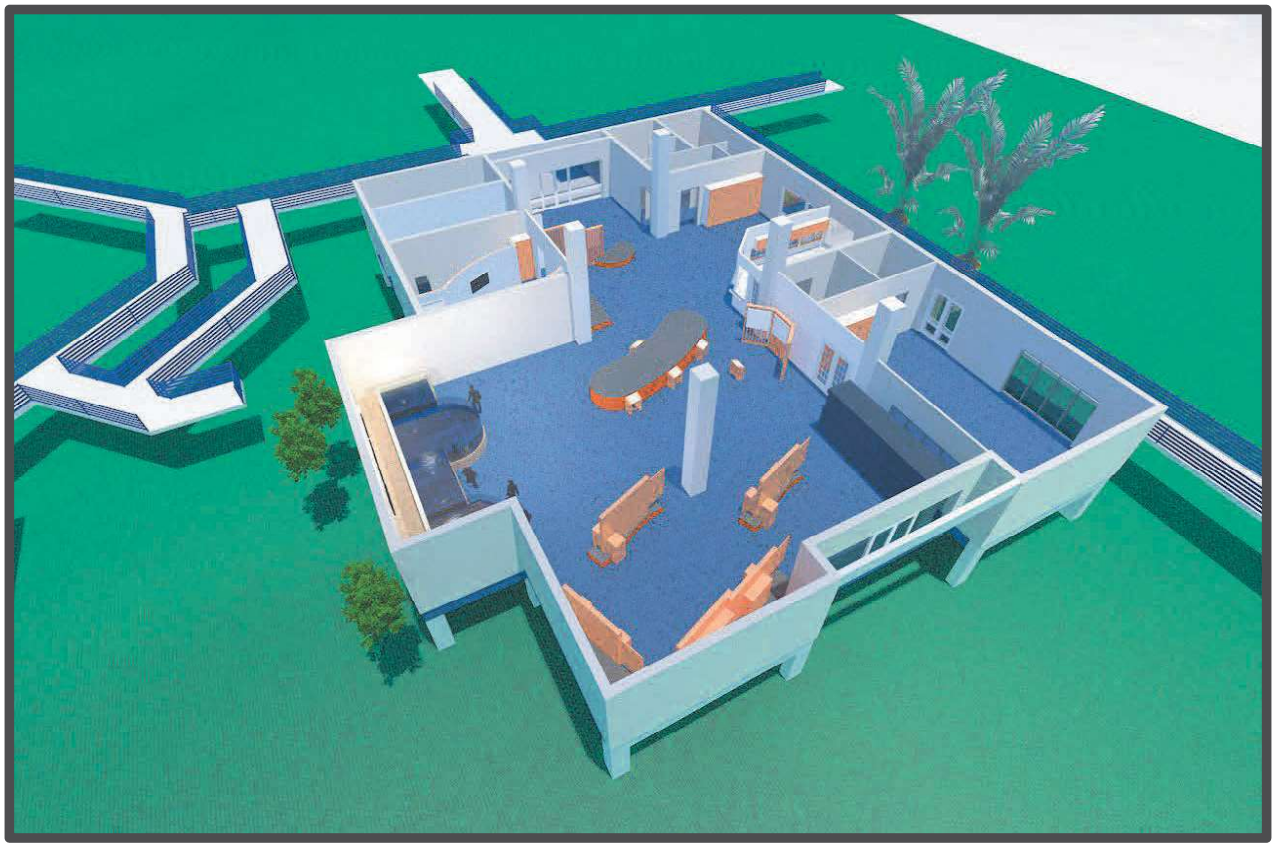


BROWARD COUNTY
FLORIDA
PARKS AND RECREATION DIVISION
PLANNING AND DESIGN SECTION
1 N. UNIVERSITY DR., #3200B, PLANTATION, FL, 33324

WEST LAKE PARK
ANNE KOLB NATURE CENTER
751 SHERIDAN ST., HOLLYWOOD, FL. 33019

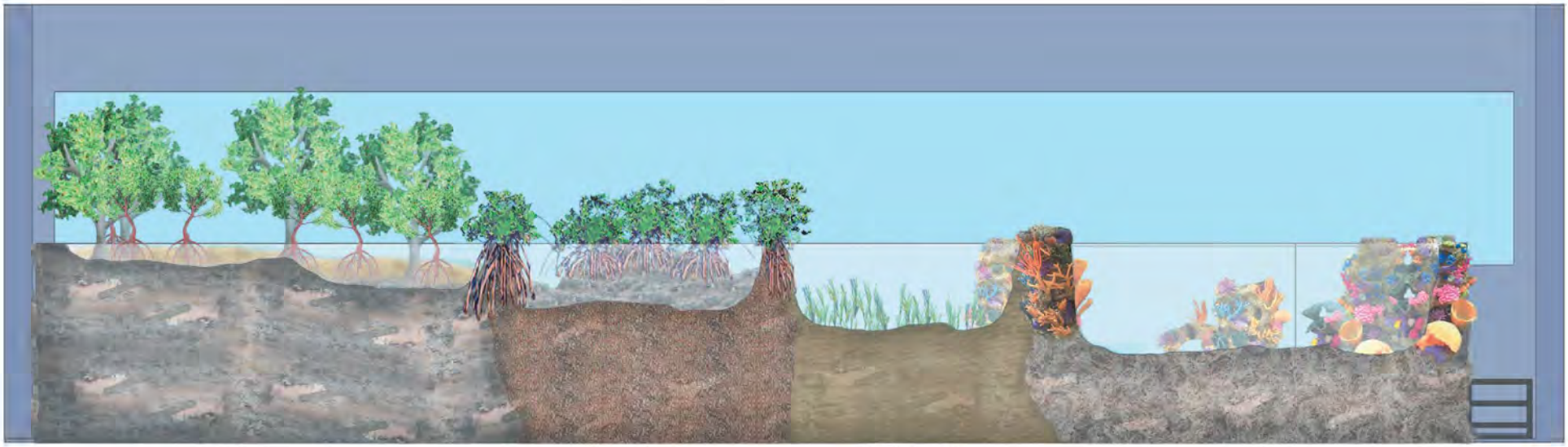
REPLACEMENT AQUARIUM
OPTION #2; IMAGE #1
DATED: September 2nd, 2022





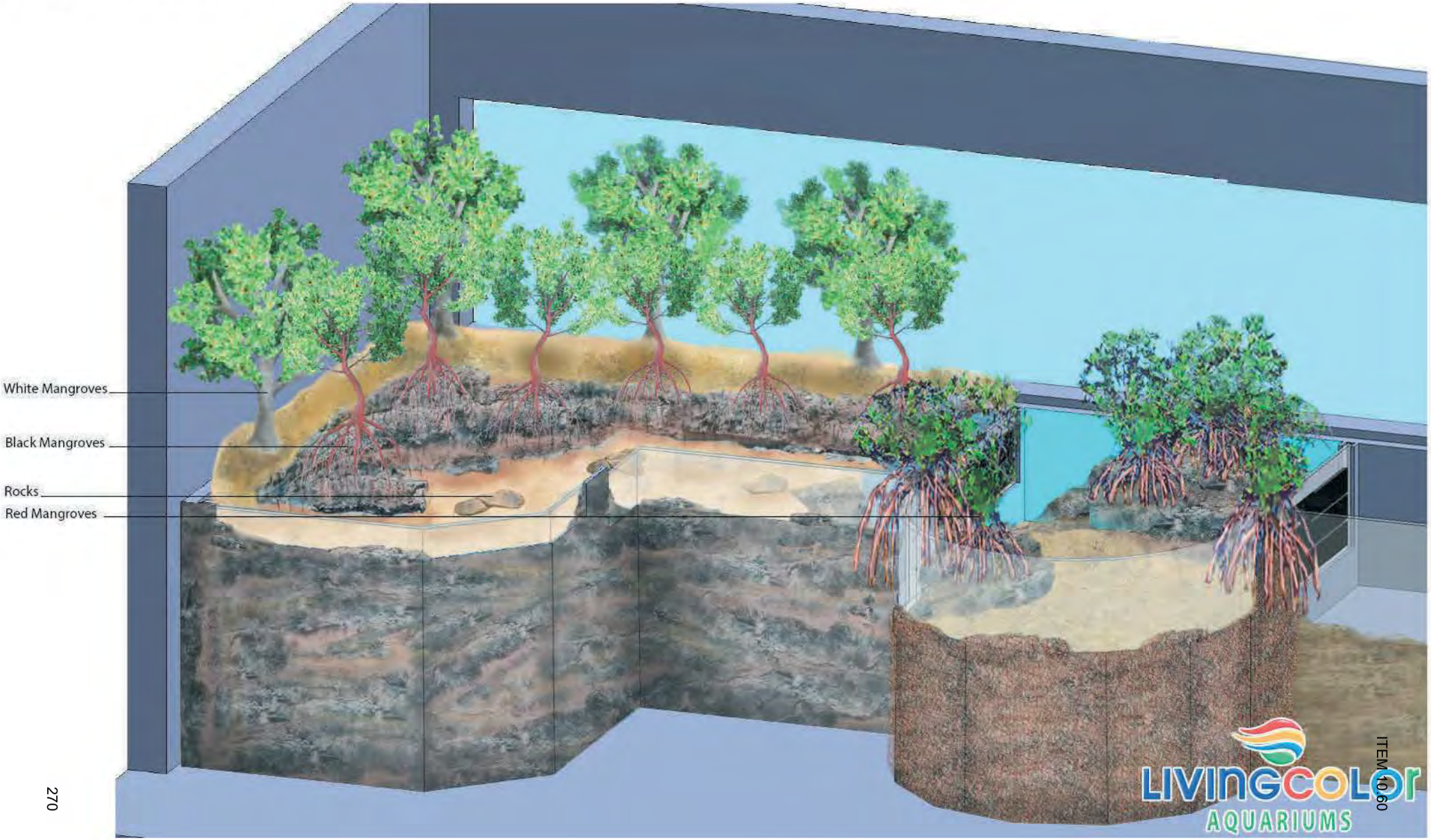
Anne Kolb Rendering

Elevation View - Habitats

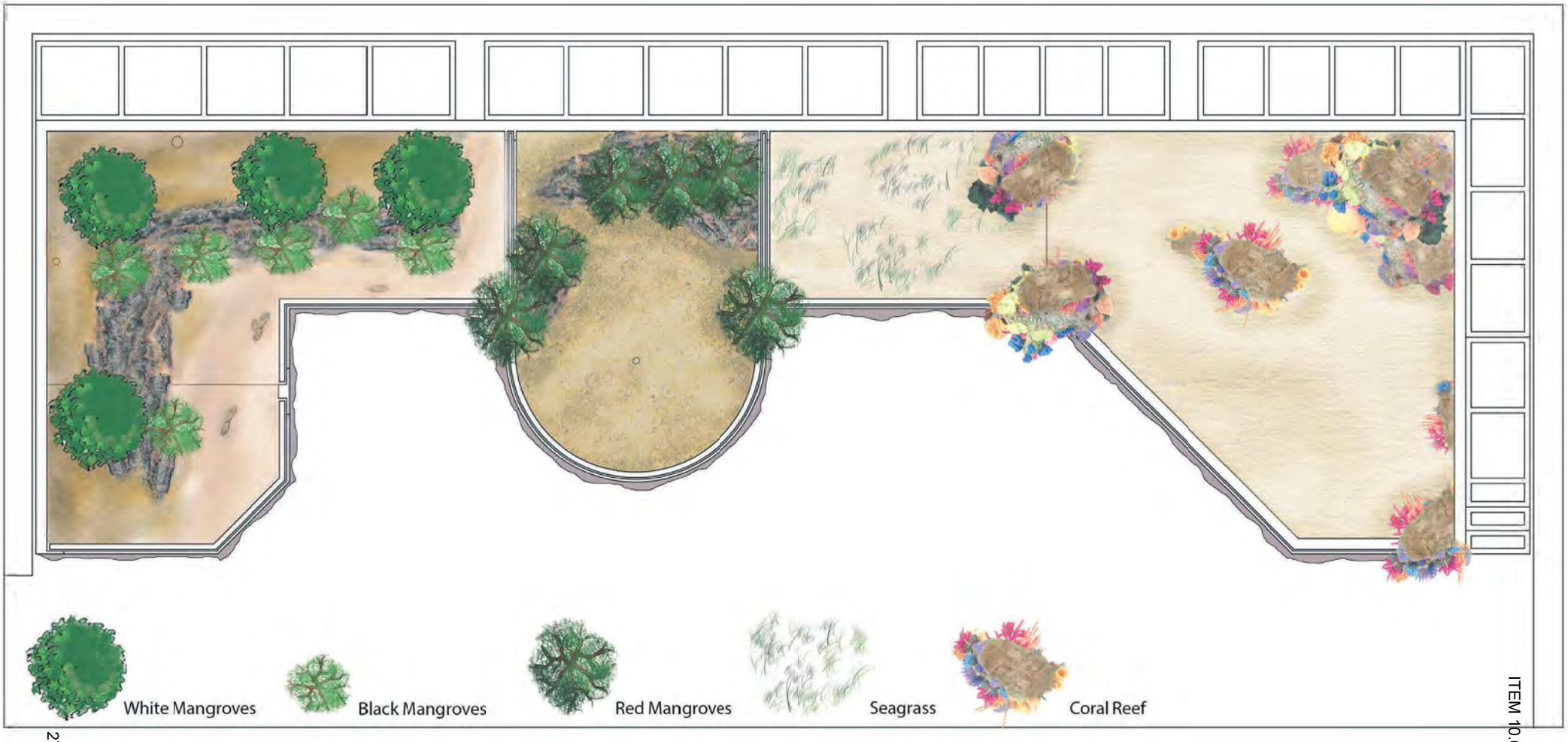


Dark Rock | Barrier Rock | Rippled Sand | Reef Rock

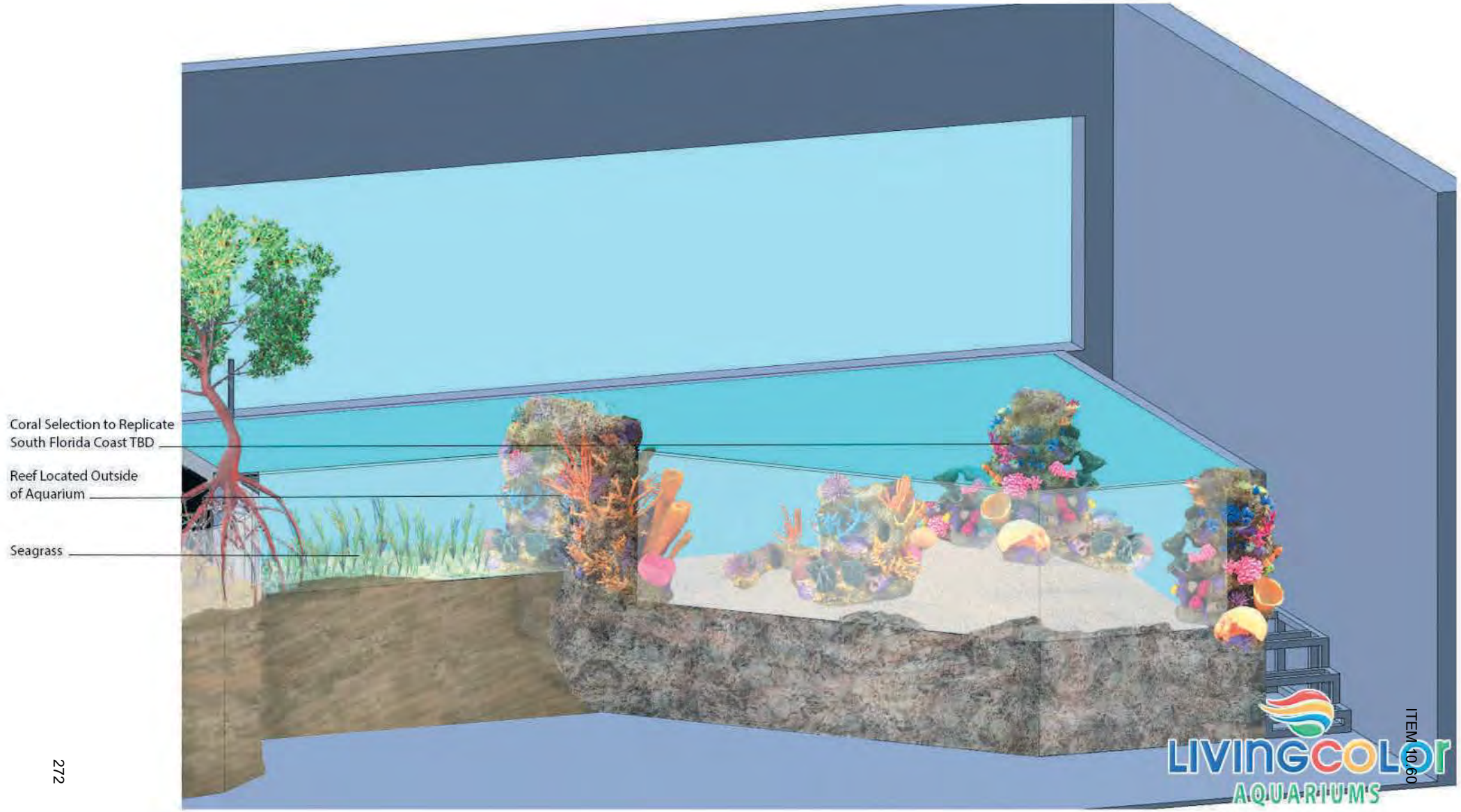
Anne Kolb Rendering
Mangrove Habitats



Anne Kolb Rendering
Plan View - Habitats



Anne Kolb Rendering
Reef Habitats



ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: Broward County			
Department: Parks and Recreation Division			
Project Title: Deerfield Island Park Ferry Boat			
Project Director: Kelton Harvey		**Title:**	Senior Program/Project Coordinator
Project Liaison: *(if different from Director)*	Cheri Gagné	**Title:**	Contact/Grant Administrator
Mailing Address:	950 NW 38th St		
City: Oakland Park		**Zip Code:**	33309
Email Address: cgagne@broward.org		**Phone #:**	954-357-8755
Project Address:	1720 Deerfield Island Park, Deerfield Beach, FL 33441		

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

SIGNATURE: Gagne, Cheri Digitally signed by Gagne, Cheri Date: 2024.04.01 11:54:13 -04'00' DATE: 4/1/24

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

This request is for the purchase of a shuttle vessel to take patrons to and from Deerfield Island Park in Deerfield Beach through Sullivan Park. The shuttle will go back and forth between Deerfield Island Park and Sullivan Park. Deerfield Island Park, which is owned by the Florida Inland Navigation District (FIND) and leased to Broward County, is the only island park in Broward County and is located on the west side of the Intracoastal Waterway (ICW) and is only accessible by boat.

Upgrades are currently being made to the island to create a nature center as well as education stations and an outdoor classroom and the shuttle will be utilized to ferry residents, visitors, and students of Broward County to the island to learn about the preserved natural habitat within the ICW. Broward County is currently working with the Guy Harvey Foundation to install the educational stations on the island. The vessel will be a pontoon boat made to fit 35 passengers, have shade coverings, and will be wheelchair accessible.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: Broward County	**Project Title:** Deerfield Island Park Ferry Boat	
Total Project Cost: $ 250,000	**FIND Funding Requested: $** 125,000	**% of Total Cost:** 50
Amount of Applicant's Matching Funds:	$125,000	
Source of Applicant's Matching Funds:	Broward County General Capital Budget	

1. Ownership of Project Site (check one): Own: ○ Leased: ◉ Other: ○

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

The project site is owned by FIND, who dedicated it to the State for park purposes for a period of 99 years in 1966. The state leased it to Broward County for a period of 95 years for use as a waterway park in 1970.

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

4. If yes, please list:

FIND funded the construction of a boat dock completed in 2012. FIND funded a boardwalk replacement in 2017. FIND funded the replacement of a picnic shelter and interpretive exhibits on this site in 2013.

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):

This site contains an 8-slip marina and a 150-foot dock, approximately 1,600 ft of boardwalk, and almost 1.5 miles of trail. This park is an island and there are no trailer parking spaces.

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

None, this application is for the purchase of a ferry boat.

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		

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Deerfield Island Park Ferry Boat
Applicant:	Broward 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.)

14. Waterway related environmental education programs & facilities.

b) Explain how the project fits this priority category.

Upgrades are currently being made to the island to create a nature center and education stations and the shuttle will be utilized to ferry residents, visitors, and students of Broward County and the surrounding counties to the island to learn about the preserved natural habitat within the ICW.

(For reviewer only)
Max. Available Score for application 44

Question 1. Range of Score (1 to 2 *points)*

---

2) WATERWAY RELATIONSHIP:

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

Deerfield Island is located within the Intracoastal Waterway and is the only island park in the Broward County park system.

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

Deerfield Island can only be reached by boat and the purchase of a ferry boat will allow residents, students, and visitors of Broward County to access this park and learn more about the ecosystem of the ICW firsthand.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) **Describe how the project increases/improves boater/public access. Estimate the amount of total public use.**

As the island is only accessible by boat, this shuttle will provide visitors an opportunity to experience and enjoy a coastal mangrove ecosystem within the ICW. The island has been closed for renovations since the end of 2022. Attendance in 2022 was around 8,000. We anticipate this number growing with the improvements that are currently being planned for Sullivan Park and Deerfield Island, drawing more visitors to the area.

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

The project will provide an opportunity to access natural habitat that is increasingly becoming rare along the ICW. A free boat ride provides access to the island and is open to both residents and visitors of Broward County.

c) **Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?**

There are currently no plans to implement any restrictive uses at this site, nor are there any fees for visiting the 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.**

This project is expected to be completed in August 2025.

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

Since the shuttle will be used for school field trips, a pontoon boat that will fit an entire class (35 people) will be needed. However, no problems are expected.

(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 any cash match or matching grant funds.**

Matching funds will be provided by Broward County.

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

There are no anticipated increases in costs due to site conditions or materials to be utilized.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

There are no fees associated with the use of this facility.

d) If there are any fees, please explain where these fees go and what they are used for. 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) **Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?**

Upgrades are currently being made at the island with the intention of creating an education center and outdoor classroom for school field trips to visit and learn about the ecosystem of the ICW. Currently there is one shuttle boat for the island that is nearing its end of life, and its capacity is around 12 people. In order to facilitate classroom visits, the shuttle boat must be larger to accommodate the size of a classroom. There will be a covering over the shuttle to keep the children and other visitors out of the elements. In addition, there will be wheelchair access on the new shuttles to allow for those in wheelchairs to utilize the shuttle and visit the island. Improvements that are being made to the island include ADA accessible trails and dock.

In addition, with the improvements being made at both Deerfield Island and Sullivan Park (where the shuttle launches from), we anticipate the number of people that visit the island to grow, requiring a shuttle that can safely fit and carry patrons to the island.

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

Broward County Parks and Recreation maintains the existing amenities at Deerfield Island with Park Staff and will continue to do so.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

The creation of a nature center at Deerfield Island is referenced in the 2022 Broward County Parks and Recreation Master Plan. These improvements are in part why the upgraded shuttle is needed.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4B

EVALUATION WORKSHEET

ENVIRONMENTAL EDUCATION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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?

The Primary target audience consists of Broward County residents and visitors to Broward County as well as students in Broward County and neighboring counties. The target audience is based on current patron usage. In addition, it is anticipated that the number of school field trips will increase with the installation of a nature center and, in partnership with the Guy Harvey Foundation, an outdoor classroom and education stations throughout the island.

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

Broward County Parks and Recreation utilizes Customer Service Satisfaction surveys to determine visitor satisfaction and comments. In addition, starting in 2020, and lead by PROS Consulting, inc., a community-input driven process was initiated and culminated in the Broward County Parks and Recreation Division's first system-wide Master Plan.

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

In fiscal year 2022, approximately 8,000 people visited Deerfield Island. It should be noted that the Island was closed for renovations in late 2022 and is expected to reopen in 2024. We anticipate this number growing with the installation of the nature center on the island as well as our partnership with Guy Harvey to design education stations on the island for school field trips. In addition, Deerfield Beach is constructing an education center at Sullivan Park, which is where the shuttle to the island will launch from. We expect these improvements to draw more people to this section of the ICW. Measurable results will be determined through visitor counts and customer satisfaction surveys.

(For reviewer only)
(1-5 points)

---

8) DELIVERABLES:

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

This project is for the purchase a pontoon boat that hold 35 people to shuttle patrons to and from Deerfield Island.

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

The shuttle will be kept at Deerfield Island and will shuttle people to the island through Sullivan Park in Deerfield Beach, Florida.

(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.**

Michel Therrien has been part of the Environmental Management Group within the Broward County Parks and Recreation Division for the past 7 years and is currently an Environmental Project Coordinator and works alongside and oversees other administrators, biologists, and naturalist. For the past two years he has been the liaison to the Guy Harvey Foundation and has been instrumental in working with the foundation and local schoolteachers to formulate curriculum for school field trips. In addition, Mr. Therrien has over 20 years of experience in environmental land management in South Florida and brings this knowledge with him and is integrating it into the programming that will be available at the island's nature center.

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

Patty Mahoney-Eberling is a Park Manager at Deerfield Island. She oversees all projects on the island, which have included the installation of a boat dock funded by FIND as well as the replacement of boardwalk in the mangrove area, which was also funded by FIND. In addition, she manages or supervises other projects and staff including invasive species removal, installation of a pollinator garden, naturalist programing, beach cleanups, volunteer events with friends' groups, as well as trail and equipment maintenance. Ms. Mahoney-Eberling is an integral part of the Deerfield Island staff and is dedicated to providing an educational and enjoyable visit to the island for residents and visitors to Broward County.

(For reviewer only)
(1-2 points)

10) PROJECT GOALS:

a) What are the long-term goals of this project as it relates to the ICW?

Our long-term goals are to educate visitors about the importance of the interaction of mangrove estuaries as well as the Intracoastal Waterway for tourism and business up and down the east coast of Florida. Current issues will also be interpreted such as sea level rise. This aligns with Broward County's goals of cultivating community life-long learning and ensuring resilient infrastructure and environmental protection.

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

The island is open Fridays, Saturdays, Sundays, and on special occasions. It is anticipated that school groups would visit the island during the school week to interact with the education stations on the island.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Deerfield Island Park Ferry Boat
Applicant:	Broward County

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Pontoon Shuttle	250,000.00	125,000.00	125,000.00

**TOTALS =	$ 250,000.00	$ 125,000.00	$ 125,000.00

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Deerfield Island Park Ferry Boat
Applicant:	Broward 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.

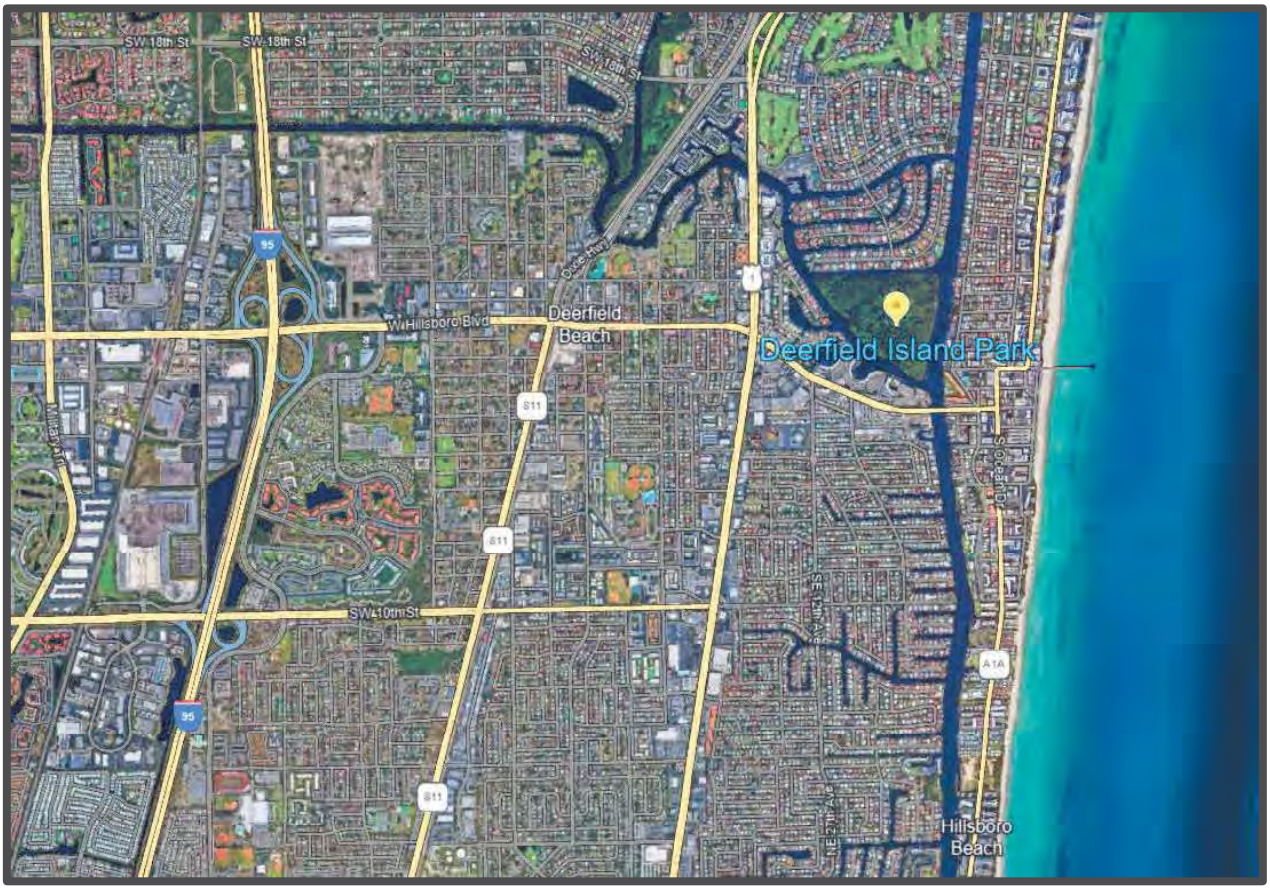
NOTE: All funded activities must begin AFTER October 1st

(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
Prior to October 2024	Obtaining quotes and options
October 2024	Project Agreement executed
November 2024	Project goes out to bid
April 2025	Contract awarded
August 2025	Shuttle boat received

BROWARD COUNTY DEERFIELD ISLAND PARK

Location Map



BROWARD COUNTY DEERFIELD ISLAND PARK

Boundry Map



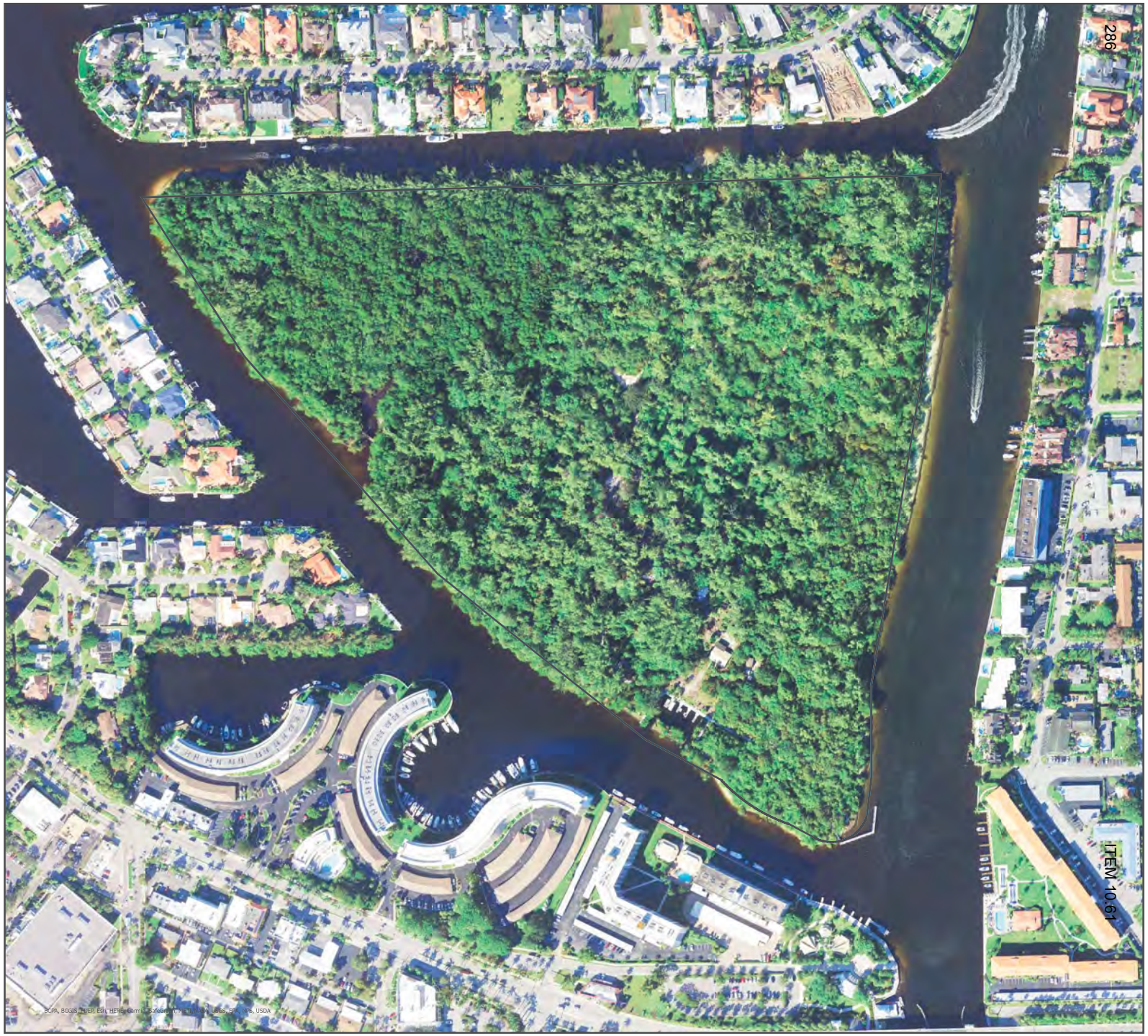
Parks & Recreation
Environmental Management Group

BROWARD COUNTY FLORIDA PARKS AND RECREATION



Deerfield Island Park

Park Boundaries



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rstolee 12/26/2023

Specifications for Commercial Pontoon Boat and Trailer

Scope: Purchase and delivery of a Commercial Pontoon Boat and trailer for Deerfield Island Park.

1. **General:**
   - 1.1 Twin hull design, minimum 37’ x 11.5’, maximum 42’ x 12.50’, customized commercial pontoon boat.
   - 1.2 Pontoon to be minimum 28” diameter with side protectors/spray shield. Side protectors on hull sides to be minimum 1” x 1/8” angle made of minimum 6063 extruded aluminum. Spray shields to be minimum 0.090” thick, 5052 marine grade aluminum welded in place.
   - 1.3 Hull thickness to be minimum 0.090”
   - 1.4 Hull sections to be no longer than 5’ and not shorter than 4.5’ long with bulk heads every 5 feet.
   - 1.5 Shall have full bottom aluminum angle keel
   - 1.6 Deck must be hand laminated fiberglass with non-skid gel coat finish. All laminating resin must be fire retardant per USCG (US Coast Guard) standard.
   - 1.7 Deck should extend a minimum of 2’ front deck not to exceed 28” and 20” minimum rear deck not to exceed 24”.
   - 1.8 Must be equipped with deck mounted rings for attaching 2 wheelchair tie down systems
   - 1.9 Top shall be hardtop which covers entire passenger section
   - 1.10 Minimum commercial 4” x ¼” thick perimeter deck angled framed gunnels for added protection.
   - 1.11 Combination recreational/commercial fencing system shall consist of minimum 2” aluminum square tube frame with foam cored kick panels and chrome anodized top rail.
   - 1.12 Gates must be 1 forward, 1 rear and 2 sides, to be constructed like fencing. Rear gate to be removeable and 1 side must have ADA ramp.
   - 1.13 Seats must be commercial, heavy duty aluminum square tube frame benches with back and removable seat cushions. Seating capacity of 35-40 persons.
   - 1.14 Helm should be 1 piece molded fiberglass with standard gauges and hydraulic steering installed 115HP Mercury Seapro commercial 4 stroke outboard motor or approved equal. Engine must have a commercially rated engine warranty.
   - 1.15 Must have captain helm seat on slide
   - 1.16 Must have built in minimum 26 gallon gas fuel tank with sight glass or fuel gauge not to exceed 33 gallons
   - 1.17 Minimum weight capacity 3500 pounds
   - 1.18 Hulls must be factory painted with anti-fouling paint compatible with aluminum
   - 1.19 Four boar cleats, one on each corner of boat
   - 1.20 Full dock edge bumper/edge rail around entire boat

2. **ADA Folding Ramp**:
   - 2.1 Ramp must be permanently attached
   - 2.2 Ramp frame to be minimum 2” thick
   - 2.3 Must be made of aluminum or other anti-corrosive metal

2.4 Must be minimum 4’ in length not to exceed 6’
2.5 Must be minimum 36” wide not to exceed 42”

3. Wheelchair Tie Down System:
3.1 Must be anti-corrosive, durable material

4. Storage Box for Personal Flotation Device:
4.1 Must be constructed from anti-corrosive metal or fiberglass
4.2 To be minimum 24”W x 15”D x 15”H with hinged top and capacity of a minimum of 20 PFD’s.
4.3 Must have minimum 4 ¾” feet/legs to provide drainage and ventilation

5. Outboard Motor:
5.1 Must be commercial 4 stroke outboard motor, minimum 115 HP
5.2 Must include a minimum 2-year commercial engine warranty
5.3 Should include 1000 hour warranty

6. Tandem Axle Trailer Suitable for Pontoon Boat:
6.1 Must have aluminum or hot dipped galvanized frame
6.2 Must have brakes on both axles
6.3 Must be equipped with DOT lights
6.4 Must be equipped with winch

7. Warranty:
7.1 Minimum 2-year commercial warranty

8. Delivery:
8.1 Supplier to schedule delivery time within 90 days with Patty Eberling, 954-357-8707 at Quiet Waters Park
8.2 Working hours: Monday through Friday 7:00am – 5:00pm, except holidays. Delivery at other times shall be at special arrangement only and must be approved by the County’s project manager for each location.
8.3 Delivery must be F.O.B. Destination; Freight included and inclusive of all costs.

- Delivery Location:
  Quiet Waters Park
  401 S. Powerline Rd.
  Deerfield Beach, FL 33442

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Dania Beach			
Department: Public Services			
Project Title: Griffin Marine Park Boat Ramp & Dock Replacement Project			
Project Director: Colin Donnelly		**Title:**	CIP & Grants Administrator
Project Liaison: *(if different from Director)*		**Title:**	
Mailing Address:	100 West Dania Beach Blvd		
City: Dania Beach		**Zip Code:**	33004
Email Address: cdonnelly@daniabeachfl.gov		**Phone #:**	(954) 924-6808 x3618
Project Address:	2987 SW 45th St Dania Beach, FL 33312		

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

SIGNATURE: Colin Donnelly DATE: 3/29/2024

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

The proposed project consists of the replacement of the existing boat ramp and docks.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Dania Beach	**Project Title:** Griffin Marine Park Boat Ramp & Dock Replacement Project	
Total Project Cost: $ 100,000	**FIND Funding Requested: $** 50,000	**% of Total Cost:** 50,000
Amount of Applicant's Matching Funds:	$50,000	
Source of Applicant's Matching Funds:	Matching funds will be payed for by the applicant, City of Dania Beach	

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 is one (1) boat ramp with one (1) temporary boat slips. In addition, there are ten (10) trailer parking spaces and five (5) vehicle parking spaces.

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

No additional structures. The project is only for the replacement of existing structures.

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	N/A	N/A
ACOE	Yes	N/A	N/A

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Griffin Marine Park Boat Ramp & Dock Replacement Project
Applicant:	City of Dania 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.)

6. Acquisition, dredging, shoreline stabilization and development of public boat ramps and launching facilities.

b) Explain how the project fits this priority category.

The proposed project is needed to improve the existing Griffin Marine Park through the replacement of the existing public boat ramp and dock. The existing ramp and docks are dilapidated and a safety risk for the public.

(For reviewer only)
Max. Available Score for application 47

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

---

2) WATERWAY RELATIONSHIP:

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

The proposed project consists of the improvement of existing facilities that allow direct access to the Dania Cut Off Canal and the ICW. The improvements of the existing boat ramp will allow for safe ingress and egress of vessels.

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

The existing public access to the boat ramps, docks, trailer parking, and facilities will be maintained. Safer and easier access to the ICW will result from this proposed project.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

Griffin Marine Park is a public boat ramp and the proposed project will improve boater and public access to the Intracoastal Waterway. The proposed boat ramp is remaining within the same footprint with improvements being made to the slope of the ramp and the replacement of the existing dilapidated docks to allow for safe usage.

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

The project will provide safe access to the Intracoastal Waterway through improved boat ramps. The park is open to the public, including residents from other counties.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

No restrictions are placed on commercial access of use of the boat ramps.

(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 in the permitting design and permitting phase. Construction will begin after all permits are obtained, which is anticipated to be around April 2025. Construction will occur for no more than 3 months.

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

No impediments are anticipated that would negatively impact 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 including any cash match or matching grant funds.

The City of Dania Beach will allocate a part of the budget to complete this project.

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

None at this time are anticipated.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

No fees are associated with the use of the boat ramp.

d) If there are any fees, please explain where these fees go and what they are used for. 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) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

The proposed project fills the need for an improved boat ramp within the City of Dania Beach.

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

The boat ramps will be maintained and funded by the City of Dania Beach.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

No.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A
EVALUATION WORKSHEET
DEVELOPMENT & CONSTRUCTION PROJECTS
WATERWAY ASSISTANCE PROGRAM FY 2024

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 structural plans and details are a work in progress. Once finalized, environmental permits will then be applied for.

b) If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.

This project is for design, permitting, and construction funding.

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 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?

The design work has not been completed and a preliminary design is being prepared.

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 improved boat ramps will allow for the safe egress and ingress of vessels into the Intracoastal Waterway.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

The existing floating docks will be removed, the proposed boat ramp will be poured and finished, concrete floating dock piles will be installed via impact hammer, and floating docks and gangways will be installed.

b) What is the design life of the proposed materials compared to other available materials?

The materials to be utilized are concrete pour, pre-stressed concrete floating docks, concrete pilings, and gangways.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

Monofilament recycling bins will be installed at the boat ramp as well as educational FWC approved manatee signs.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

The flexibility of the floating docks will allow for safer egress/ingress for boats as they will fall/rise with the changes in the tides.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Griffin Marine Park Boat Ramp & Dock Replacement Project
Applicant:	City of Dania Beach

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Design & permitting	100,000.00	50,000.00	50,000.00

****TOTALS =**	**$ 100,000.00**	**$ 50,000.00**	**$ 50,000.00**

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Griffin Marine Park Boat Ramp & Dock Replacement Project
Applicant:	City of Dania 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.

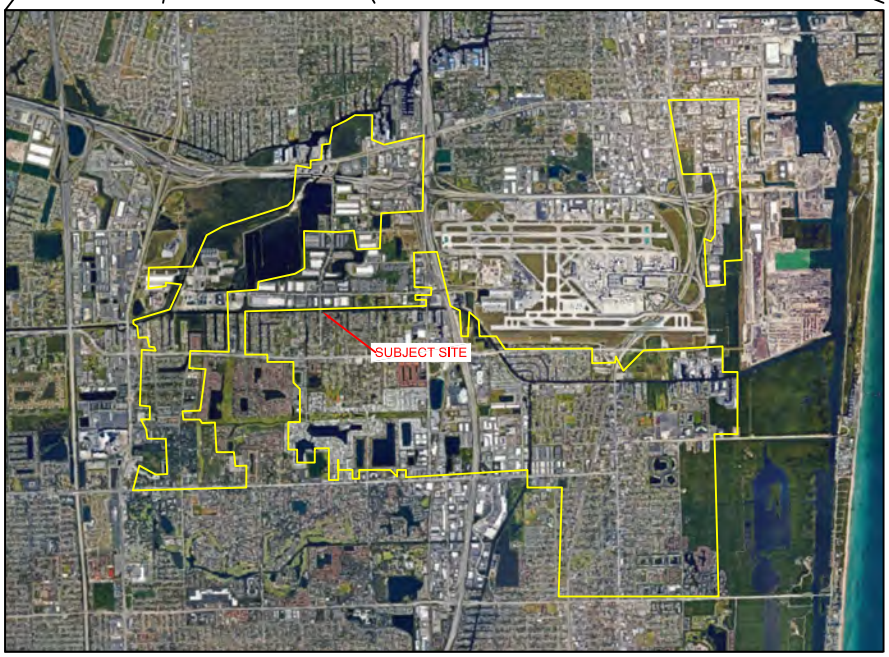
NOTE: All funded activities must begin AFTER October 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Component	Date
Survey, civil design, environmental plans	October 2024
Environmental permit application submittal	November 2024
Environmental permit issuance	November 2025

NORTH

N.T.S





LEGEND

CITY OF DANIA BEACH

SUBJECT SITE

THE Chappell GROUP INC.
714 East McNab Road
Pompano Beach, Florida 33060
tel. 954.782.1908
fax. 954.782.1108
www.thechappellgroup.com

- Environmental Consultants
- Marina & Wetland Permitting
- Mitigation Design & Monitoring
- T&E Species Surveys
- Tree Surveys/Appraisals

GRIFFIN MARINE PARK

PREPARED FOR:
CITY OF DANIA BEACH

COUNTY/CITY LOCATION MAP

Date:	Sheet :	of :
3/7/2024	1 300	1
Proj No.: 23-0056		

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GRIFFIN MARINE PARK

PREPARED FOR:
CITY OF DANIA BEACH

PROJECT BOUNDARY MAP

Date:	Sheet :	of :
3/7/2024	1 301	1
Proj No.: 23-0056		

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GRIFFIN MARINE PARK
CITY OF DANIA BEACH
PLAN SET



LOCATION MAP (N.T.S.)

DRAWING INDEX

SHEET 1: COVER

SHEET 2: PROPOSED CONDITIONS

SHEET 3: SECTION



VICINITY AERIAL (N.T.S.)

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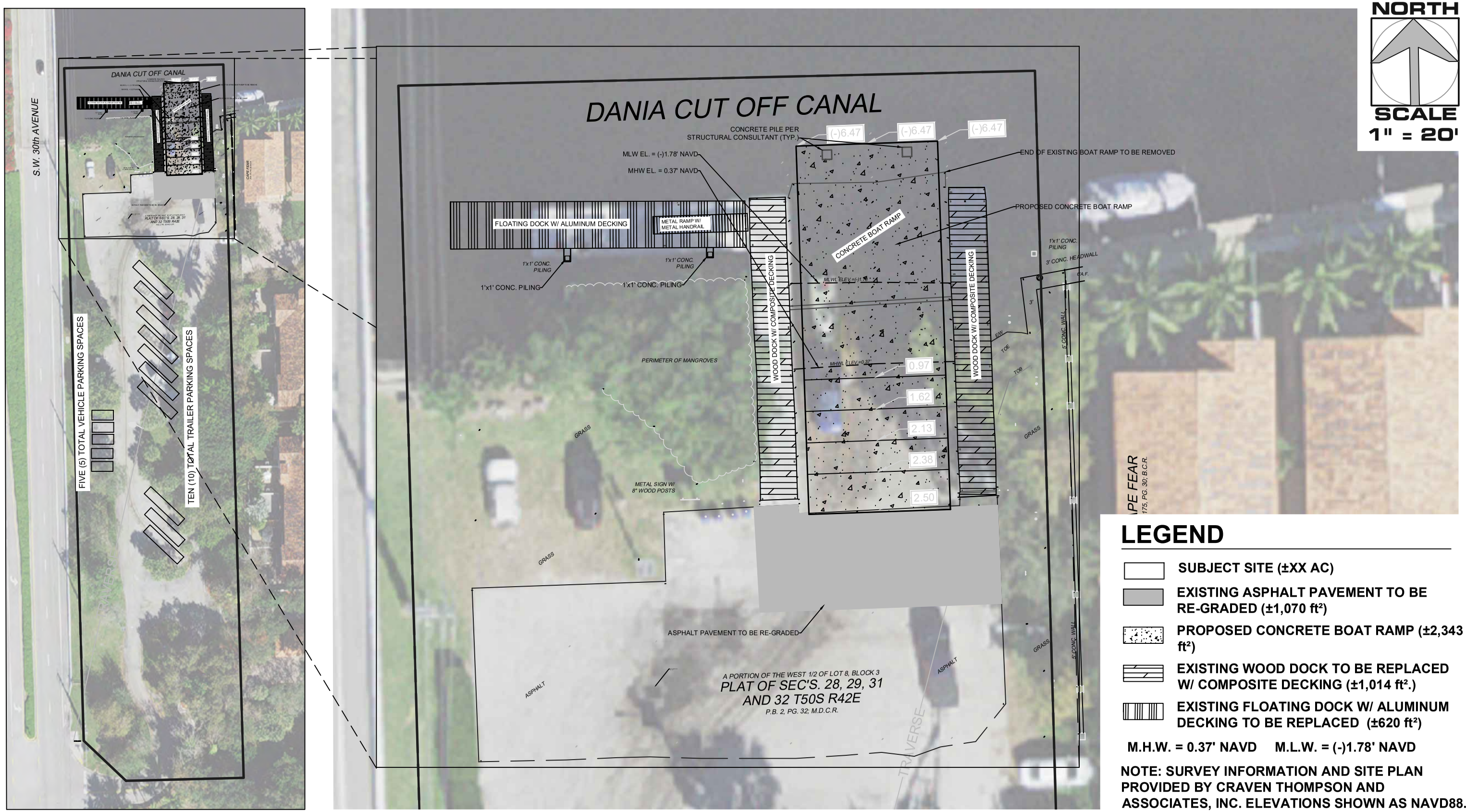
GRIFFIN MARINE PARK

PREPARED FOR:

CITY OF DANIA BEACH

COVER

Date:	Sheet :	of :
3/7/2024	1	3
Proj No.: 23-0056.001		



LEGEND

- SUBJECT SITE (±XX AC)
- EXISTING ASPHALT PAVEMENT TO BE RE-GRADED (±1,070 ft²)
- PROPOSED CONCRETE BOAT RAMP (±2,343 ft²)
- EXISTING WOOD DOCK TO BE REPLACED W/ COMPOSITE DECKING (±1,014 ft².)
- EXISTING FLOATING DOCK W/ ALUMINUM DECKING TO BE REPLACED (±620 ft²)

M.H.W. = 0.37' NAVD M.L.W. = (-)1.78' NAVD

NOTE: SURVEY INFORMATION AND SITE PLAN PROVIDED BY CRAVEN THOMPSON AND ASSOCIATES, INC. ELEVATIONS SHOWN AS NAVD88.

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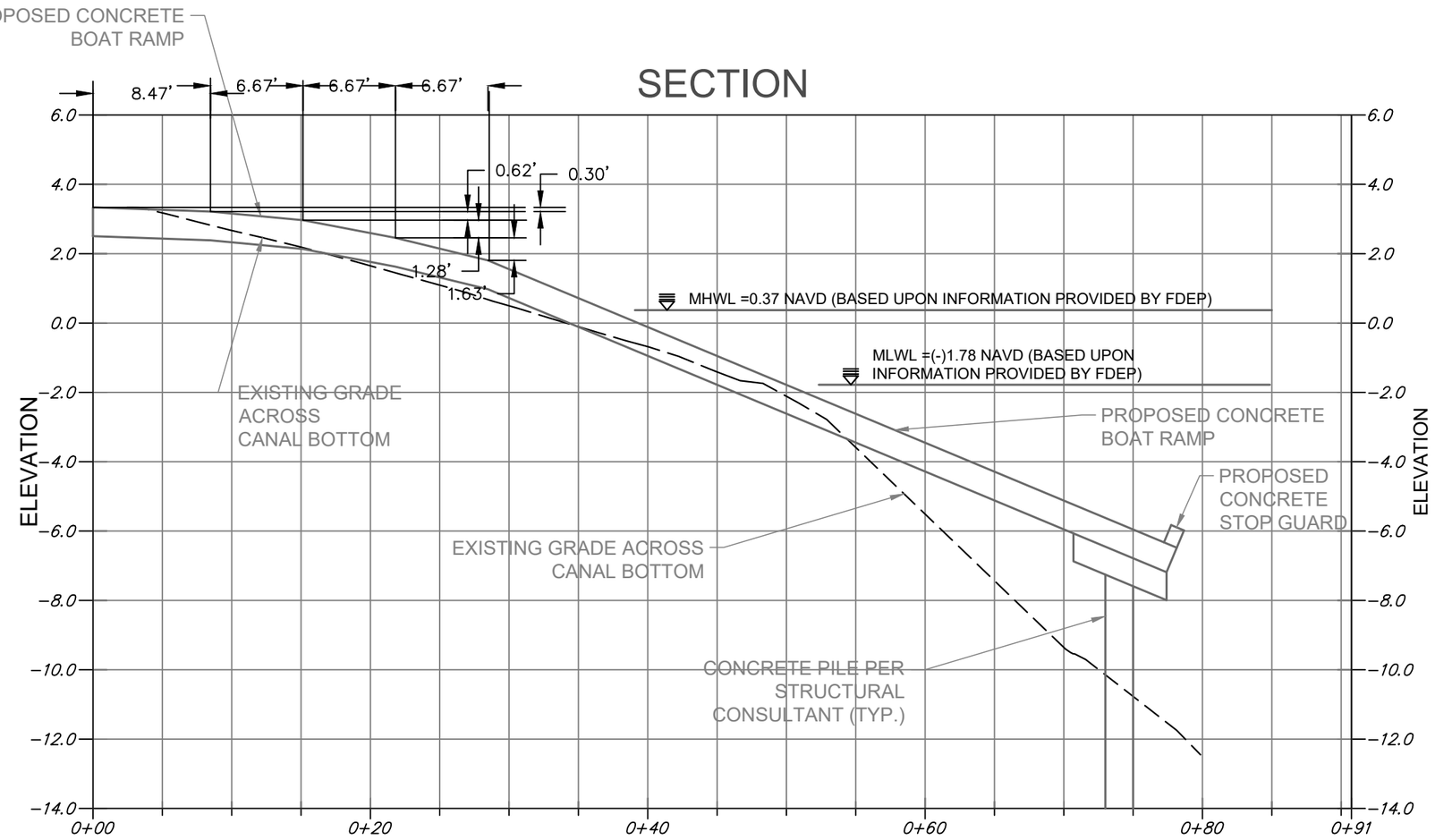
GRIFFIN MARINE PARK

PREPARED FOR:
CITY OF DANIA BEACH

PROPOSED CONDITIONS

Date:	Sheet :	of :
3/7/2024	2	3
Proj No.: 23-0056.001		

SECTION



HORIZONTAL SCALE: 1"=10'

VERTICAL SCALE: 1"=4'

NOTE: CROSS SECTION DETAIL PROVIDED BY CRAVEN THOMPSON AND ASSOCIATES, INC.

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GRIFFIN MARINE PARK

PREPARED FOR:

CITY OF DANIA BEACH

SECTION

Date:	Sheet :	of :
3/7/2024	3	3
Proj No.: 23-0056.001		

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Deerfield Beach			
Department: Office of the City Manager			
Project Title: Sawgrass to Seagrass Center at Sullivan Park			
Project Director: Kris Mory		**Title:**	Director of Economic Development
Project Liaison: *(if different from Director)*		**Title:**	
Mailing Address:	150 NE 2nd Avenue		
City: Deerfield Beach		**Zip Code:**	33441
Email Address: kmory@deerfield-beach.com		**Phone #:**	954-857-9793
Project Address:	1600 Riverview Road, Deerfield Beach, Florida 33441		

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

SIGNATURE: _____ DATE: 3/29/2024

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

The City of Deerfield Beach applied for and was awarded a FIND WAP for the successful development of Sullivan Park in 2016. The project provided the first public access to the Intracoastal Waterway in the City of Deerfield Beach through the construction of 800 linear feet of waterfront boardwalk, 11 public boat slips for transient use, 170 linear feet of floating docks for canoes, kayaks and paddle boards, expanded parking facilities and a restroom for park patrons. This award-winning park has made a significant impact on the community and now serves as a regional attraction for ecotourism.

In 2016, the City spent $500,000 to purchase 1600 Riverview Road - a former Chamber of Commerce property that is directly adjacent to the park specifically to expand Sullivan Park. In 2018, the community went through a planning process and determined that the property should be used to construct a children's marine science center to attract additional visitors to Sullivan Park where they can learn about the interconnectivity of the Florida Everglades, Hillsboro Canal, Intracoastal Waterway and Atlantic Ocean and the important role these waterways play in South Florida's environment, transportation, and recreation. Due to the strategic location of the proposed 10,000 square foot "Sawgrass to Seagrass Center at Sullivan Park", it is designed to also serve as an informal welcome center to encourage visitors to travel by water on the Intracoastal Waterway to neighboring Deerfield Island County Park. City resources and the Community Redevelopment Agency's funding are insufficient to implement this project without FIND as a funding partner. FIND is asked to funding half of the cost of the science center portion of the building.

Form No. 90-22, Rule 66B-2, (New 12/17/90, Rev.07-30-02, 04-24-06)

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Deerfield Beach	**Project Title:** Sawgrass to Seagrass Center at Sullivan Park	
Total Project Cost: $ 9,671,698	**FIND Funding Requested: $** 3,360,804	**% of Total Cost:** 35
Amount of Applicant's Matching Funds:	$6,310,894 (FIND funds will not be used to fund 1st Floor administrative office space. FIND funds will only be used to fund 50% of 2nd Floor Exhibit Space)	
Source of Applicant's Matching Funds:	Deerfield Beach Community Redevelopment Agency Tax Increment Revenue	

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 2016, FIND provided $2,030,172 in Phase 1 Planning, Design and Engineering and Construction for Phase 1 of Sullivan Park.

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):

Sullivan Park provides the public with 11 boat slips for transient use, 800 linear feet of waterfront boardwalk, 170 linear feet of floating docks for non-motorized personal watercraft and the ferry across the Intracoastal to Deerfield Island County Park.

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

Approximately 90 kids per day will visit the center on field trips, many of whom will want to extend their experience by traveling to Deerfield Island by ferry. Project will add 33 additional 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	10/5/2023	Expected 5/2024
DEP	No		
ACOE	No		

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Sawgrass to Seagrass Center at Sullivan Park
Applicant:	City of Deerfield 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 related environmental education programs & facilities.

b) Explain how the project fits this priority category.

The Sawgrass to Seagrass Center at Sullivan Park will educate visitors about the interrelatedness of the Everglades, Hillsboro Canal, Intracoastal Waterway and the Atlantic Ocean and the important role of these waterways in South Florida's environment, economy, transportation and recreation. The Center will act as a welcome center to encourage visitors to supplement their experience by taking a ferry ride across the Intracoastal Waterway to explore real life exhibits in more detail in the natural setting of Deerfield Island County Park. Exhibits in the Center will educate specifically about FIND's mission and activities.

(For reviewer only)
Max. Available Score for application 44

Question 1. Range of Score *(1 to* 2 *points)*

---

2) WATERWAY RELATIONSHIP:

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

Exhibits in the center will educate about the role of the ICW in connecting the Everglades and the Ocean, acting as a marine transportation network, and Deerfield Island's role as a spoils site for Intracoastal Waterway dredging and canal maintenance. The welcome center will attract visitors and serve as a gateway to ICW access.

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

Sullivan Park is the only public access point to the ICW between Boca Raton and Pompano Beach. The center will attract more visitors to Sullivan Park where they can ride a ferry on the ICW to explore Deerfield Island. Visitors will also arrive to Sullivan Park via boat and access the center as part of a marine eco-tourism experience.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

The Center will attract daily visitors, school field trips and summer campers. Based on preliminary business models, the Center will welcome approximately 4 school field trips weekly (120 visitors/week), daily visitors (100 visitors/day), and 30 kids a day during summer camp (120 visitors/week) in its first year of operation. Because visitors will learn about the ICW and Deerfield Island County Park, public access to the ICW will increase.

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

Sullivan Park has already demonstrated it's ability to attract visitors from across the et South Florida region. Because the park is located on the border of Broward and Palm Beach counties, it regularly serves residents of the bi-county area. Google and Yelp reviews of the park reveal visitors from around the world. With the addition of the Center, the park will attract even more visitors and expose them to the wonders of the ICW.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

The park offers direct access to non-motorized vessels via the floating dock system and 11 finger piers offer direct access for boat access. Deerfield Island offers the public a public pontoon ferry boat. After the park opened, a private boat rental company located operations directly next door to the park where the public can rent boats, kayaks and canoes to enjoy the ICW. The park is not available for commercial use. The City recently implemented a no-wake zone expansion for the entire length of the ICW through the City.

(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 currently out to bid with a scheduled bid opening of May 2nd, 2024. Groundbreaking is scheduled for October 1, 2024 with project completion in November 2025.

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

At this time, the only potential event that could influence the timeline would be a bid submittal extension. Right now, contractors have 45 days to submit a proposal.

The project team that is managing this project is the same team that successfully managed Sullivan Park Phase 1 Construction and Grant Administration and has a long track record of on-time, under budget project management.

(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 any cash match or matching grant funds.

The cash used to match FIND funding is entirely comprised of Deerfield Beach Community Redevelopment Agency Tax Increment Revenue.

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

Cost escalation is not anticipated unless unforeseen construction material increases occur. In fact, the overall project was value engineered at 90% completion to reduce the overall anticipated project cost by $750,000.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

It is anticipated that this facility will charge a nominal entrance fee that will be used to support operations. A specific fee schedule has not yet been determined, however, this schedule is in development using fees currently charge by surrounding public museums.

d) If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.

Entrance fees will be deposited in an Enterprise Fund for the Sawgrass to Seagrass Center. 50% of these funds will be used for maintenance/improvements to the building over its 50 year anticipated lifespan. Entrance fees are projected to be between $5-20 based on fees charged at similar facilities in a 30 mile radius of the center.

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

a) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

In 2012, the City of Deerfield Beach committed to enhancing it's location and identity as a nautical destination. The Sawgrass to Seagrass Center is a planned addition to the existing Sullivan Park that will attract more visitors to the park to enjoy the scenic ICW, learn about environmental conservation and marine science. There is currently no place in the surrounding region to learn about these issues that make Deerfield Beach and South Florida truly unique. This Center will welcome visitors to Sullivan Park and act as an introduction to the natural features surrounding the park and encourage them to explore the park and experience the ICW surrounding the park and Deerfield Island first hand.
Once in operation, the Center will conduct outreach to ensure that economically disadvantaged children have access to this educational and experiential opportunity to provide them with critical real life exposure to STEM, marine science, and environmental concerns and career paths.

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

The Center and surrounding site will be maintained by the City of Deerfield Beach. The Center's operations will be managed by an Executive Director in service of a Board of Directors overseeing the operations of the not-for-profit organization. The Executive Director will be primarily responsible for ensuring the creation of an adequate endowment, ongoing fundraising and appropriate entrance fees to fund ongoing operations.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

This project is being constructed in fulfillment of the Deerfield Beach Community Redevelopment Agency Plan, the Urban Land Institute Technical Advisory Panel Plan for the Sullivan Park Maritime Village. It is consistent with the Deerfield Beach Comprehensive Plan, Land Use Plan and Zoning.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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

b) If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.

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

Permits were applied for in 2023. No issues have been identified by outside agencies that would result in permitting delays. Local permitting will begin immediately upon execution of the construction contract. Local platinum expedited permitting services will be used to ensure timely permit issuance.

(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?

Yes

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 building is designed with an expansive elevated outdoor terrace offering visitors panoramic views of Sullivan Park and the ICW. The Center is being built on a redevelopment site, so there will be no negative environmental impacts of new construction. The building is designed with rooftop solar panels to power the building.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

The Center will be built using standard South Florida construction means, methods and materials.

b) What is the design life of the proposed materials compared to other available materials?

The expected lifespan of this building is between 50 to 100 years depending on level of maintenance. It is being built with the highest quality of construction materials in excess of Florida Building Code standards.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

Building plans call for recyclable materials to be used in construction. The facility will educate visitors on the environmental benefits of solar panels in reducing the carbon footprint. Smart technology is being incorporated inside the building to maximize energy conservation. Energy efficient LED lighting will be used inside and throughout the site.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

The entire design of the building was conceived in anticipation of sea level rise. With a current base flood elevation of 9 feet that is expected to increase by 18 additional inches in the near future, the main floor of the building was elevated and parking was pushed underneath to maximize the site and build in resiliency to future sea level conditions.

(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-4B

EVALUATION WORKSHEET

ENVIRONMENTAL EDUCATION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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

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7) THOROUGHNESS:

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

The primary target audience for this project are preschool and elementary school children and their families with a special emphasis on public school students from underprivileged areas who might not normally have exposure to the ICW, marine sciences, or environmental conservation education. This target audience was identified as part of citywide surveys and strategic planning that revealed that young residents from the City's poorest neighborhoods have never been on the Intracoastal Waterway.

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

Phase one of the Sullivan Park Maritime Village was guided by the mission to expand access to the ICW for underprivileged area youth. Partners for this outreach include the Kiwanis Club, Boys and Girls Club, the Deerfield Beach Public Art Committee and City of Deerfield Beach community and redevelopment staff. The concept for the Sawgrass to Seagrass Center was design with input from the Guy Harvey Ocean Foundation, whose mission is to provide marine science (STEM) education to underprivileged youth with an emphasis on real life experiences on the water.

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

Based on the preliminary business plan, the Center is expected to welcome approximately 35,000 visitors in the first year. Measurable results will include the number of additional visitors to Sullivan Park and Deerfield Island County Park.

(For reviewer only)
(1-5 points)

---

8) DELIVERABLES:

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

As part of this project, exhibits educating the public on the Intracoastal Waterway will be incorporated into the Center. Original audio and video content will be shown to visitors. These videos will be incorporated into social media to market the Center and encourage visitors to explore the Intracoastal Waterway.

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

A marketing professional will be part of the Center's staff and hired prior to construction to aid in facility fundraising, donor outreach, branding and Center marketing. The Center will have ongoing relationships with the Guy Harvey Ocean Foundation, Broward County Schools, Deerfield Island County Park and Deerfield Beach public affairs and marketing.

(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.

The City is in the process of contracting with an organizational, fundraising and marketing professional team. This team has more than 40 combined years experience forming new organizations, fundraising, marketing, museum exhibit design and not for profit administration. This team will be responsible for the formation of a Board of Directors who will guide the Center's vision and implement it's mission.

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

The program's Executive Director and marketing team will have extensive experience funding and operating marine science centers in Florida, California and Georgia.

(For reviewer only)
(1-2 points)

10) PROJECT GOALS:

a) What are the long-term goals of this project as it relates to the ICW?

The Center's long term goal is to increase area ecotourism and public awareness of the ICW and other waterways surrounding Sullivan Park. It will serve as a mechanism to educate and expose underprivileged youth to STEM issues and encourage marine industry career paths. It is part of the City's mission to enhance the area as a nautical destination.

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

The Center is planned to be open seven days a week throughout the entire year with selected closings for holidays.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Sawgrass to Seagrass Center at Sullivan Park
Applicant:	City of Deerfield Beach

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
General conditions*	933,714.00	608,900.00	324,800.00
Civil/Site Work*	1,149,359.00	750,100.00	399,300.00
Shell*	2,707,300.00	1,761,800.00	945,600.00
Mechanical Electrical Plumbing*	1,660,100.00	1,082,100.00	578,000.00
Thermal and Moisture Protection*	1,075,400.00	701,000.00	374,400.00
Openings (Windows and Doors)*	612,500.00	401,100.00	211,400.00
Finishes, Fixtures, and Equipment*	1,144,800.00	747,100.00	397,700.00
Fire Suppression*	136,600.00	91,800.00	44,800.00
Insurance and Bonding*	251,900.00	167,000.00	84,900.00
****TOTALS =**	**$ 9,671,673.00**	**$ 6,310,900.00**	**$ 3,360,900.00**

*** FIND funds will only be used to fund 50% of the 2nd Floor Exhibit Space. In compliance with Rule 66B-2.008.(1)(b) FIND funds will not be used for 1st Floor Administrative Office Space.**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

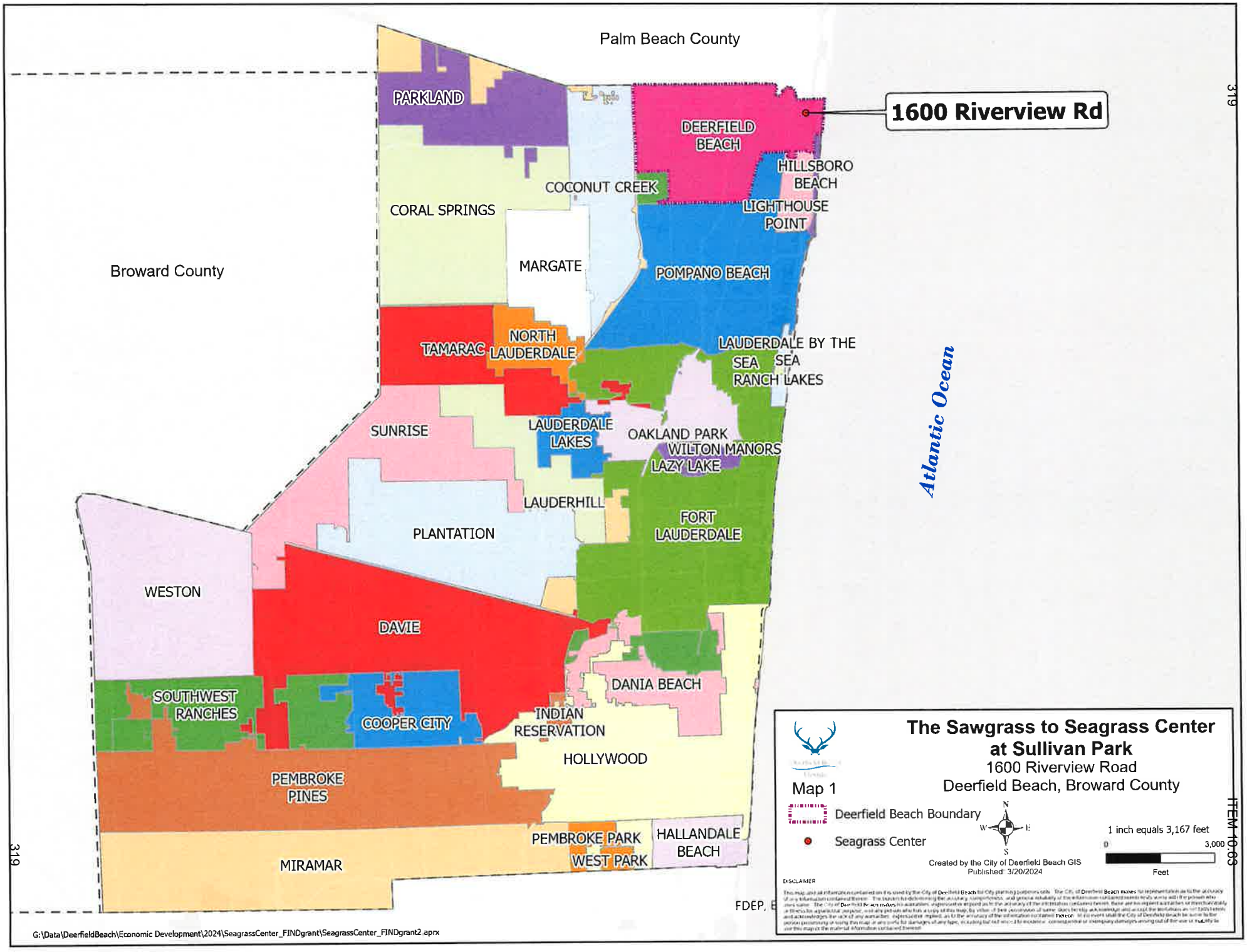
WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Sawgrass to Seagrass Center at Sullivan Park
Applicant:	City of Deerfield 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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
Completed	Construction Documents
Underway	Outside Agency Permitting
May 2024	Construction Contract Bid Award
September 2024	Construction Permitting
October 2024	Construction Commencement
November 2025	Construction Completion
December 2025	Grand Opening


Palm Beach County
Broward County
1600 Riverview Rd
PARKLAND
DEERFIELD BEACH
HILLSBORO BEACH
COCONUT CREEK
CORAL SPRINGS
LIGHTHOUSE POINT
MARGATE
POMPANO BEACH
TAMARAC
NORTH LAUDERDALE
LAUDERDALE BY THE SEA
SEA RANCH LAKES
Atlantic Ocean
SUNRISE
LAUDERDALE LAKES
OAKLAND PARK
WILTON MANORS
LAZY LAKE
LAUDERHILL
PLANTATION
FORT LAUDERDALE
WESTON
DAVIE
DANIA BEACH
SOUTHWEST RANCHES
COOPER CITY
INDIAN RESERVATION
HOLLYWOOD
PEMBROKE PINES
PEMBROKE PARK
HALLANDALE BEACH
WEST PARK
MIRAMAR
319
319
ITEM 10.03
FDEP,
The Sawgrass to Seagrass Center at Sullivan Park
1600 Riverview Road
Deerfield Beach, Broward County
Map 1
Deerfield Beach Boundary
Seagrass Center
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1 inch equals 3,167 feet
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Feet
Created by the City of Deerfield Beach GIS
Published 3/20/2024
DISCLAIMER
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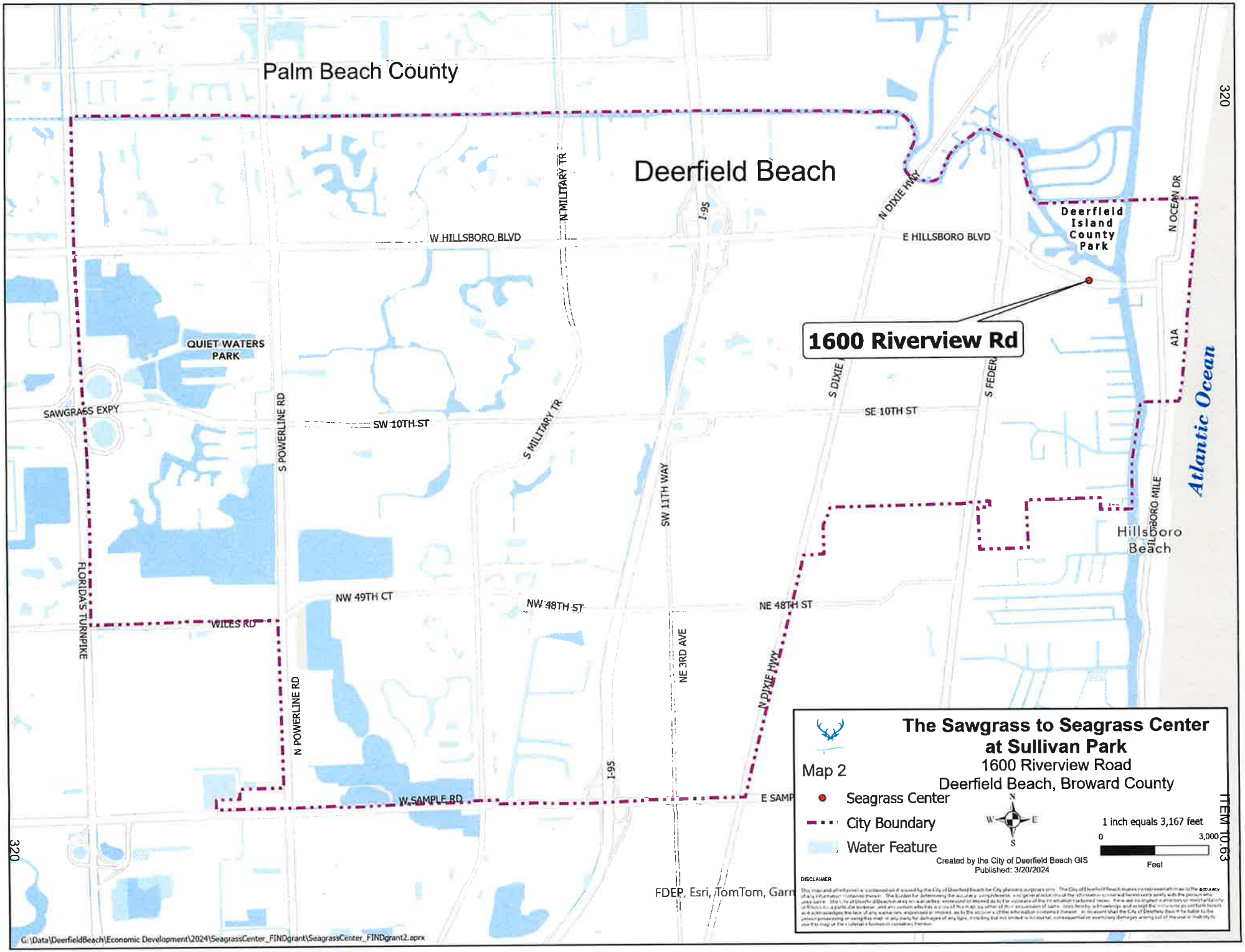
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Deerfield Beach
1600 Riverview Rd
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E HILLSBORO BLVD
N MILITARY TR
I-95
N DIXIE HWY
Deerfield Island County Park
N OCEAN DR
A1A
Atlantic Ocean
QUIET WATERS PARK
SAWGRASS EXPY
S POWERLINE RD
SW 10TH ST
S MILITARY TR
S DIXIE
S FEDERAL
SE 10TH ST
SW 11TH WAY
HILLSBORO MILE
Hillsboro Beach
FLORIDA'S TURNPIKE
NW 49TH CT
NW 48TH ST
NE 48TH ST
WILES RD
NE 3RD AVE
N DIXIE HWY
N POWERLINE RD
I-95
W SAMPLE RD
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FDEP, Esri, TomTom, Garn
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320
320
ITEM 10.63
The Sawgrass to Seagrass Center at Sullivan Park
Map 2
1600 Riverview Road
Deerfield Beach, Broward County
Seagrass Center
City Boundary
Water Feature
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1 inch equals 3,167 feet
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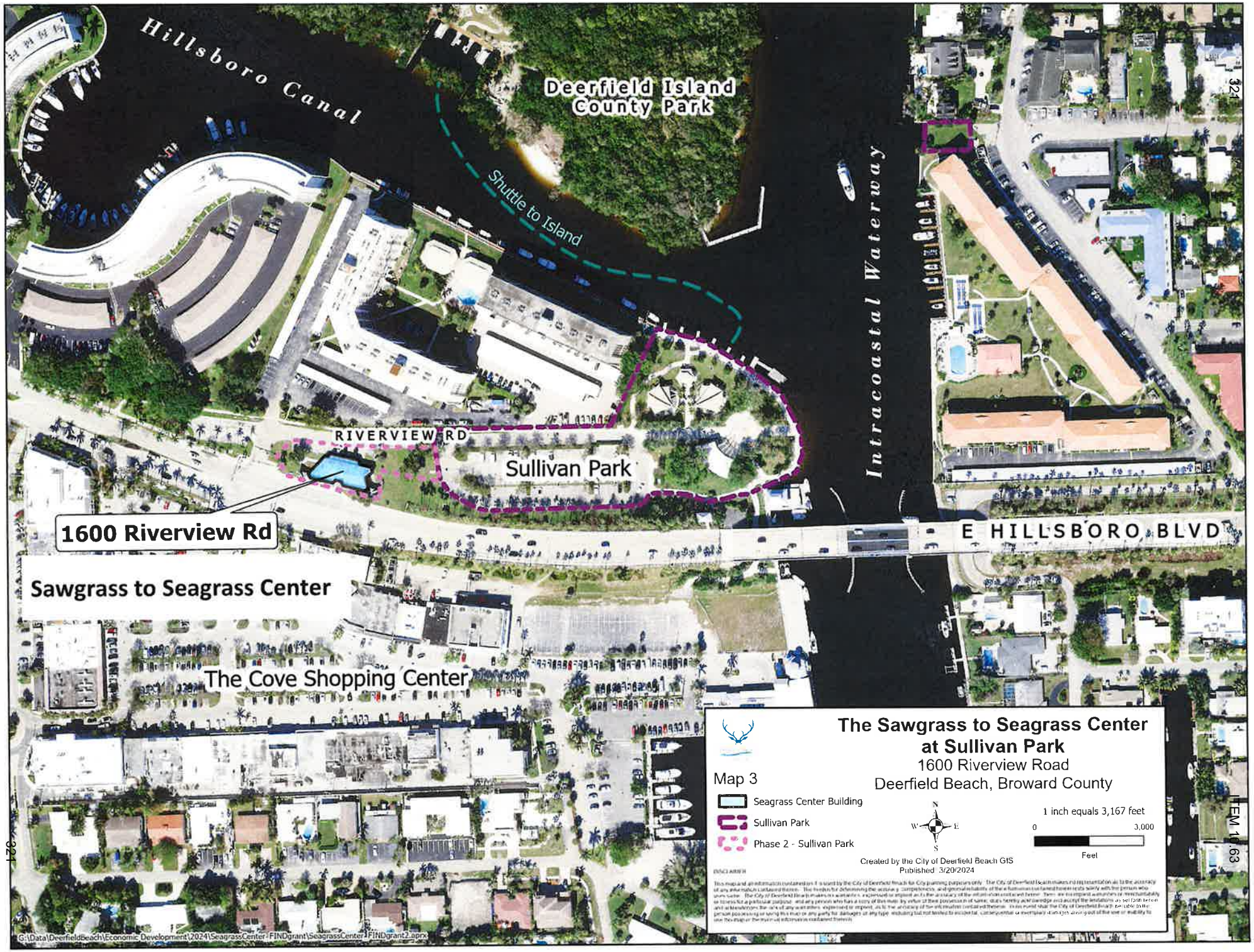
3,000
Feet
Created by the City of Deerfield Beach GIS
Published: 3/20/2024
DISCLAIMER


Hillsboro Canal
Deerfield Island County Park
Shuttle to Island
Intracoastal Waterway
RIVERVIEW RD
Sullivan Park
1600 Riverview Rd
E HILLSBORO BLVD
Sawgrass to Seagrass Center
The Cove Shopping Center
The Sawgrass to Seagrass Center at Sullivan Park
1600 Riverview Road
Deerfield Beach, Broward County
Map 3
Seagrass Center Building
Sullivan Park
Phase 2 - Sullivan Park
1 inch equals 3,167 feet
0
3,000
Feet
Created by the City of Deerfield Beach GIS
Published 3/20/2024
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Sawgrass-to-Seagrass Center

1601 E HILLSBORO BLVD, DEERFIELD BEACH, FL 33441

FOR PERMIT

12/01/2023



OWNER:
COMMUNITY REDEVELOPMENT AGENCY
150 N.E. 2ND AVE.
DEERFIELD BEACH, FL 33441
(561) 512-2752

ARCHITECT, LANDSCAPE ARCHITECT:
BERMELLO AJAMIL & PARTNERS
4711 S LE JEUNE RD
CORAL GABLES, FL, 33146
(305) 859-2050

STRUCTURAL ENGINEER:
MUENGINEERS, INC.
3440 NE 12TH AVENUE
OAKLAND PARK, FL 33334
(954) 324-4730

CIVIL ENGINEER:
CARNAHAN PROCTOR AND CROSS
814 S. MILITARY TRAIL
DEERFIELD BEACH, FL 33442
(561) 512-2752

MEP/FP ENGINEER:
DELTA G CONSULTING ENGINEERS, INC
707 NE 3RD AVE. SUITE 200
FT. LAUDERDALE, FL 33304
(954) 527-1112

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ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Hollywood, FL			
Department: Parks, Recreation & Cultural Arts			
Project Title: Hollywood Marina Fuel Pier Phase I			
Project Director: David Vazquez		**Title:**	Assistant Director
Project Liaison: *(if different from Director)*	Joaquin Arellano	**Title:**	Special Projects Manager
Mailing Address:	P.O. Box 229045		
City: Hollywood, FL		**Zip Code:**	33022-9045
Email Address: JArellano@hollywoodFL.org		**Phone #:**	954.921.3404
Project Address:	700 Polk St #1, Hollywood, FL 33019		

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

SIGNATURE: _____ DATE: 03/28/2024

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

The City of Hollywood (City) is a vibrant coastal town in South Florida that boasts excellent recreational opportunities city-wide. The City seeks to provide the same quality of experience at their existing marina facility. The City of Hollywood Marina (Marina) was first constructed in the 1980's and has served as a City-owned and operated facility open to the general public since that time. The Marina is located on the ICW and North Lake and provides key waterfront access and amenities such as fuel, restrooms, showers, and more. However, the existing infrastructure is in need of repair or replacement in order to continue to serve the local boating community and visiting boaters for years to come and to align the Marina with the future of the boating community. The City, with the help of outside consultants, created a Marina Master Plan that proposes improvements to the fueling facility, among many other identified projects, to better meet the needs of its boating public. See attachment Site Boundary Map showing the existing Marina and proposed site plan from the Marina Master Plan.

The first element of the Marina reconstruction project encompasses the fuel pier. Due to limited City funding, the City is requesting funding assistance for the engineering design and permitting of the replacement of its fuel pier to upgrade the amenity and expand fuel pier access to larger vessels (>80 feet). This entails removing the breakwater separating the pier and the Intracoastal Waterway (ICW). Doing so allows for boater access to the eastern side of the fuel pier where larger vessels can feasibly maneuver and dock. To account for the wave attenuation that the breakwater provided, the existing fuel pier would be replaced with a floating dock that has wave attenuation capabilities. The revenue gained from the fuel pier will pave the way for additional improvements, such as additional boat slips, to be added to the Marina's infrastructure. All of these improvements directly affect and benefit the recreational boaters within the community.

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Hollywood, FL	**Project Title:** Hollywood Marina Fuel Pier Phase I	
Total Project Cost: $ 274,000.00	**FIND Funding Requested: $** 137,000.00	**% of Total Cost:** 50%
Amount of Applicant's Matching Funds:	$137,000.00	
Source of Applicant's Matching Funds:	Broward County Boating Improvement Program (BBIP)	

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:

Project No. BV-HO-19-144 North and South Lake Mourning Field Phase I. *Note: Although awarded, grant was later rescinded by the City due to public input of the project's work scope.*

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):

Existing Facilities (all publicly accessible) include: two (2) fuel pump stations, one (1) pump-out service boat, one (1) public boat ramp, 55 wet boat slips (approximately 1305 linear feet of docks), 36 trailer parking spaces, one private restroom and shower facility.

The public can access the Hollywood Marina 24 hours a day, 7 days per week. The fuel pier, however, is open from 7:00 am to 5:30 pm, 7 days per week. The Project site is handicap accessible.

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

The re-designing of the Hollywood Marina fuel pier should not impact the number of boat ramps, slips or trailer parking spaces. These will be improved by later phases of the Marina Master Plan but not this particular 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	YES	TBD	
DEP	YES	TBD	
ACOE	YES	TBD	

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Hollywood Marina Fuel Pier Phase I
Applicant:	City of Hollywood, FL

---

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 docking and mooring facilitities.

~~17. Other waterway related projects.~~

b) Explain how the project fits this priority category.

The "Other waterway related projects" category serves as a catch-all for projects that don't fit specifically into the other defined categories but are still related to waterways. The Hollywood Marina Fuel Pier Project has unique characteristics that includes elements from other categories but does not fit specifically to the project area.

The infrastructure at the City of Hollywood Marina is not equipped to serve the greater South Florida boating community. Vessel registrations within Broward and Miami-Dade have been on the rise for vessels greater than 26 feet. Vessel registrations increased by 2.28% from 2019 to 2020, 4.51% from 2020 to 2021, and 3.78% from 2021 to 2022. This sums to nearly 28,500 registered vessels (> 26 feet) in Broward County and Miami-Dade County alone. Considering that the Marina is presently at full capacity, continues to maintain a backlog of slip space requests, and has people trailering their vessels there to utilize the boat ramps, it is evident that the Marina is not able to meet the demands of the expanding South Florida boating community. Attachment 8 includes an excerpt from the Florida Highway Safety and Motor Vehicles Vessel Owner Statistic page showcasing that the total number of registered vessels in Broward County for the year 2022 is greater than 35,000.

The current fuel pier at the City of Hollywood Marina consists of only two fueling stations that are solely accessible on the western side of the pier due to the presence of a breakwater that runs parallel to the fuel pier and the Intracoastal Waterway (ICW) as seen in the attached Location and Boundary Map Figures 1 and 2 (Attachment 3) and in Photo 1, Photo 2, and Photo 3 (Attachment 4). This breakwater, east of the fuel pier, functions to protect the fuel pier from wave action produced in the ICW; however, an inadvertent consequence of this breakwater is that it prevents larger vessels from accessing the fuel pier directly from the ICW side of the fuel pier as there is insufficient space for large vessels to turn and access the west side of the fuel pier. The diesel line connected to the fueling stations (shown in Photo 4, Attachment 4) is currently broken. Therefore, the Marina is unable to provide service to vessels requiring diesel fuel. This limits the vessels and boaters the marina is able to serve and leaves the City at a competitive disadvantage when compared to other marinas in the region that are able to provide this service. (See the Figure 3 in the attached Boundary Map (Attachment 3) for comparable marina facilities in a 10-mile radius of the Marina that boaters would possibly have to choose to patron instead of the Hollywood Marina.) To increase accessibility and become conducive to larger vessels wishing to dock and fuel with diesel, the Marina will need to remove the existing breakwater and add additional fueling stations suitable for boats that tie-up to the eastern side of the fuel pier.

Leaving the current infrastructure of the pier in its current condition poses a safety hazard to the boating public. The current structure is showing signs of fatigue and has degraded rebar exposed near the water (Photo 5, Attachment 4). To remain compliant with County tidal ordinance, Florida building regulations, and Florida power/utility requirements, the presently existing fuel pier will need to be renovated or replaced. Additional support will be needed to be able to resist the wave energy that is generated in the ICW and propagated towards the structure. To create a safe, walkable, and visually appealing pier, repair of the exposed rebar is necessary. Furthermore, dredging will be required where the existing breakwater is located so that boaters may safely tie-up to the pier for fueling and other services provided by the Marina.

(For reviewer only)
Max. Available Score for application 47

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

2) WATERWAY RELATIONSHIP:

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

The Hollywood Marina Fuel Pier replacement project directly supports the Intracoastal Waterway (ICW) and the Navigation District's mission by enhancing navigation infrastructure, promoting boating safety, supporting economic development, and demonstrating environmental responsibility. Upgrading the fuel pier facilities improves safety and convenience for mariners, attracts more boaters and visitors, stimulates economic activity, and incorporates sustainable design practices. These efforts ensure the continued vitality and resilience of the ICW, aligning with the Navigation District's goals.

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

The City of Hollywood Marina Master Plan team carried out extensive client and community consultation, as well as market and traffic analyses. Over the course of the two engagement periods, the community surveys garnered 2131 responses from over 229 individuals and the project website received over 7000 views and approximately 200 subscribers. The feedback was then used to determine the level of usage, the types of activities end-users engage in, the current issues that the community and patrons have with the project site, and any recommendations or commentary on ways the marina can improve user satisfaction. The first engagement period involved a survey that gathered responses from 114 people. 34% of respondents said that they use the marina for their boat. 27% of respondents selected the fuel services as one of their most often used amenities at the marina; this was the second most frequently selected amenity behind only the launch ramps. 86% of respondents indicated that at a minimum they make 1 trip to the marina per year. 13% of participants said that they visit more than once each week, but this number increases to 23% if expansions or additions were provided at the marina. The existing Marina fuel pier already services many vessels annually, including the 55 slips at the Marina.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

The City of Hollywood Marina Fuel Pier project will benefit the boating public by providing improved and expanded services to better meet the demand of the evolving boating community. Renovating or replacing the fuel pier at the City of Hollywood Marina will ultimately increase the service life of the structure to 30 plus years while also expanding the existing fuel service capacity at the marina. The revenue generated from the added fuel service will supplement funding for the design, expansion and reconstruction of the subsequent piers that provide slippage for annual, seasonal & transient recreational boaters. As mentioned, the number of boats seen in South Florida waterways is continuing to grow therefore increasing the demand for boat related services (fueling, pump-out, slip space, etc.). This correlates to an even higher demand for these services in later years assuming that boating community will continue to grow. Removing the adjacent breakwater, expanding the fuel pier, and adding new fueling stations will lead to the project purpose being accomplished and the surrounding boater community being served for decades to come.

The reconstruction of the pier not only allows for increased access to boater related services, but it also allows boaters to access these services more safely. The existing pier is in poor condition and could eventually pose a safety hazard to boaters utilizing the facility if no action is taken. The design of the renovated or reconstructed pier will provide a structurally sound and resilient structure through a design that considers both operational use and storm conditions. This design will be completed by engineering consultants well versed in sustainable marina design in South Florida. In addition to the structural design of the pier, removing the breakwater and dredging the related shallow areas will improve boater safety accessing the fuel pier.

Expanded service provision and use not only directly benefits the practicing users, but the community as well. The increase in revenue from fuel sales will allow the City to better enhance the landside aspects of the Marina, including parking and green space. This will allow the Marina to become more appealing to boaters utilizing the Marina’s boat ramps and the local community looking to engage with the water from land. The more people that pass through the Marina, the more their services will be used, and the more the local economy will improve. This cyclical benefit cycle enhances community support and engagement which is one of the overarching goals that the City of Hollywood strives to achieve.

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

The proposed reconstructed fuel pier will promote expanded boater access to fuel services and other available boater-related services such as the pump out facilities. Making the marina more accessible to larger vessels (>80 feet) significantly increases potential fuel sales since they can take in over 20 times more fuel than that of the vessels that currently access the fuel dock. The revenue generated from the added fuel sales will supplement funding for the design, expansion, and reconstruction of the subsequent marina docks as well as the enhancement of landside aspects of the marina. This includes parking and green space which improve the overall aesthetic appeal to boaters and non-boaters alike. From a safety and resiliency perspective, the proposed development increases the service life of the structure by 30 plus years, improves the overall structural and tidal resiliency, and allows the facility to remain compliant with County tidal ordinances. See Attachment 7 for existing condition photographs. More than simply meeting safety standards, modernizing its facilities ensures that Hollywood Marina remains competitive with similar boater-related facilities in the vicinity.

The City of Hollywood Marina is located on the Intracoastal Waterway which provides interconnectivity to boaters traversing north and south between adjacent communities and from nearby Miami-Dade County which had more than 50.5 million tourists visit in 2022. The marina is optimally situated between two major inlets, Port Everglades and Haulover Inlets, that provide access to the Atlantic Ocean from the Intracoastal Waterway. Therefore, the marina is in a prime location to service boaters traveling to and from those inlets. According to the mission statement of the Marina Master Plan, the City of Hollywood seeks to “provide a modern, resilient, safe, and secure marina facility with year-round recreational opportunities for locals and visitors alike.” The reconstruction of the existing fuel pier will allow for an increased service capacity so that even more boaters with vessels of varying sizes can safely utilize its facilities.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

The City of Hollywood has not implemented any boating access, speed zone, commercial access, or other restrictive use of the site where the Hollywood Marina Fuel Pier replacement project is located. However, as part of the project planning process, the sponsor may consider implementing measures to regulate boating access, speed limits, or commercial activities to ensure the safety and sustainable use of the facility. These measures could include establishing designated access points, implementing speed limits in sensitive areas, or regulating commercial activities to minimize impacts on the environment and other users of the waterway. Any such plans would need to be in accordance with relevant regulations and guidelines governing maritime management and public access to waterways.

(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.

This initial phase comprises of existing conditions surveys – marine resources, bathymetry, and geotechnical – to determine the underwater site conditions; engineering design (30%) of the pier structure, including accommodation for wave conditions previously controlled by the to be removed breakwater, fuel system, and dredging; and preparation and submittal of regulatory permit applications. A structural assessment of the existing fuel pier has been completed (not included in this grant request). The completed documents – regulatory permits and construction drawings – will be used to solicit bids from marine contractors to complete the proposed work.

The expected timeline for the work included in this grant request is one to 1.5 years, pending receipt of permit approvals. Preparation of permit applications will be completed in concert with the engineering design; engineering drawings will be used for the permit drawings.

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

The project is currently in conceptual and data gathering phase. Procurement and the beginning of design phase is expected in late 2024. Due to the necessity of breakwater removal and subsequent dredging in its place, it is acknowledged that permitting may cause schedule delays.

No permits have been submitted at this stage of the project, but potentially needed permits include:

- Building permit issued by the City of Hollywood
- Sovereignty Submerged Lands (SSL) authorization from FDEP
- Broward County Environmental Resource License (ERL)
- FDEP Environmental Resource Permit (ERP)
- USACE Permit

(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 any cash match or matching grant funds.

The City of Hollywood has been tentatively awarded the FY2025 Broward County Boating Improvement Program Grant in the amount of $137,000.00.

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

N/A

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

End user fees of the renovated fuel pier are only the cost of fuel purchased by users. Although prices are subject to change without advance notice, the fuel prices obtained in Spring 2024 are listed below.

- 90 Octane Unleaded Fuel (Conventional "ethanol free") = $ 5.459 per gallon
- Ultra Low Sulfur Diesel Fuel (Tax Included) = $4.669 per gallon

d) If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.

Marina Fuel Pier fuel sales are part of the City's revenue fund. However, the revenue generated from the added fuel sales from the redesigned fuel pier will supplement funding for the design, expansion, and reconstruction of the subsequent marina docks as well as the enhancement of landside aspects of the marina. This includes parking and green space which improve the overall aesthetic appeal to boaters and non-boaters alike.

March of 2024 Fuel prices at nearby marinas are also obtained periodically.

90 Octane Unleaded Fuel (Conventional "ethanol free")	**Rate**
Bahia Mar (2 Miles North of Port Everglades)	$ 5.630
Harbour Town Marina (3 Miles South of Port Everglades) Oct 89	$ 5.700
Haulover Park (0.3 Miles South of Haulover Inlet) Oct 89	Closed
Lauderdale Marina (1 Mile North of Port Everglades)	$ 5.490
Pier 66 (½ Mile North of Port Everglades)	$ 5.499

Diesel Fuel (all types)	**Rate**
Bahia Mar (2 Miles North of Port Everglades)	$ 4.259
Harbour Town Marina (3 Miles South of Port Everglades) Oct 89	$ 4.870
Haulover Park (0.3 Miles South of Haulover Inlet) Oct 89	Closed
Lauderdale Marina (1 Mile North of Port Everglades)	$ 4.790
Pier 66 (½ Mile North of Port Everglades)	$ 4.279

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

a) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

To meet the needs of the already large and expanding South Florida boating community, the City of Hollywood intends to expand and either renovate or replace the most eastward pier at their existing Marina, the fuel pier. The direct purpose is to better serve the surrounding boating community by providing increased and enhanced opportunities for boater-related services. This pier currently has only two fueling stations that are able to pump gasoline, and recent made major repairs to the diesel lines. In 2023, the Marina was able to sell approximately 7,900 gallons of gasoline per month on average, and in 2022, the last full year of diesel sales, the Marina was able to sell approximately 4,800 gallons of diesel per month on average. They will be able to serve many more vessels if they repair/replace the existing infrastructure and acquire additional fueling stations that also pump diesel. The two presently standing fueling stations face west, indicating that they are intended for use by boaters that tie-up to that side. However, there is limited water space on the western side due to a police marine patrol floating pier located approximately 50 feet away and a larger fixed pier with public slips located approximately 100 feet away (see Boundary Map). The City of Hollywood Police Department has their vessels residing within this common space as well (Photo 3, Attachment 4). Additional fueling stations are to be added to better equip boaters intending to fuel from the eastern side and that do not fit within the shallow water area on the western side. This entails widening the current fuel pier so that additional fueling stations may be added while still allowing for a safe walking path to be located in the center. This will come in tandem with lengthening the current roughly 135-foot pier to become conducive to larger vessels (>80 feet) wishing to fuel on the western side and carry diesel. Additional fueling stations will allow for passing and residing boaters to be better served. This entails safer docking and easier access to the other services and facilities that the Marina provides.

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

The Hollywood Marina Fuel Pier replacement project ensures ongoing maintenance and funding by incorporating sustainable financing mechanisms and operational strategies through the City general operating and capital funding. Additionally, the project may implement user fees or rental charges for fueling services to generate revenue for maintenance expenses. Furthermore, the project sponsor will adhere to a comprehensive maintenance schedule and conduct regular inspections to identify and address any issues promptly. Lastly, the project aligns with the Navigation District's commitment to promoting self-sustaining maritime infrastructure, ensuring continued investment in critical waterway facilities beyond the initial funding period.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

Yes, the Hollywood Marina Fuel Pier replacement project aligns with existing maritime management plans and public access strategies outlined in the City's Comp plan and Navigation District's comprehensive plans. The project corresponds to initiatives aimed at improving waterway infrastructure and enhancing public access to maritime facilities, as specified in the district's comprehensive plans for coastal development and management. This alignment ensures that the project is part of a cohesive strategy for sustainable water resource management and community development along the Intracoastal Waterway.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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 project is currently in conceptual and data gathering phase. Procurement and the beginning of design phase is expected in late 2024. Due to the necessity of breakwater removal and subsequent dredging in its place, it is acknowledged that permitting may cause schedule delays.

No permits have been submitted at this stage of the project, but potentially needed permits include:

- Building permit issued by the City of Hollywood
- Sovereignty Submerged Lands (SSL) authorization from FDEP
- Broward County Environmental Resource License (ERL)
- FDEP Environmental Resource Permit (ERP)
- USACE Permit

b) If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.

A general cost estimate for the future Phase II construction of the fuel pier at Hollywood Marina is approximately $2,000,000 to $2,500,000. This estimate includes expenses such as materials, labor, equipment, and any additional infrastructure required for the completion of the project. However, specific costs may vary depending on factors such as market conditions, design specifications, and unforeseen challenges encountered during construction.

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

Significant impediments that may potentially delay the timely issuance of the required permits for the Hollywood Marina Fuel Pier replacement project could include environmental concerns, such as impacts on marine life habitats or water quality, which may require extensive assessments and mitigation measures before permits are granted. Additionally, regulatory requirements, including compliance with zoning regulations, coastal development permits, and navigational safety standards, may pose challenges and cause delays in the permitting process. Moreover, coordination with various agencies responsible for issuing permits, such as environmental agencies, local authorities, and maritime authorities, could also contribute to delays, especially if there are conflicting requirements or lengthy review processes. Finally, unexpected issues such as legal challenges, public opposition, or changes in regulatory policies could further complicate the permit approval process and potentially 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?

The project is currently in conceptual and data gathering phase. Procurement of a Marina Engineering Consultant is expected in late 2024.

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?

Yes, the design of the Hollywood Fuel Pier will incorporate modern, environmentally friendly materials and construction techniques that aim to minimize the project's ecological footprint. Additionally, the new fuel pier design includes enhanced safety features and accessibility measures to accommodate a wider range of vessels and users, thus improving public usage and access to the marina facilities. Furthermore, the design optimizes operational efficiency and maintenance requirements, resulting in reduced long-term costs associated with upkeep and repairs. Overall, the thoughtful design considerations of the project contribute to its positive impact on the community, environment, and financial sustainability.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

The construction techniques and materials for the Hollywood Marina Fuel Pier replacement project will involve utilizing modern, durable materials and innovative construction methods to ensure longevity and sustainability. Potential techniques may include the use of reinforced concrete or composite materials for the pier structure, corrosion-resistant metals for fixtures and fittings, and environmentally friendly coatings to mitigate environmental impacts. Additionally, advanced construction methods such as prefabrication or modular construction may be employed to expedite the construction process and minimize disruption to marina operations. Unique construction materials, such as environmentally friendly composite decking or sustainable energy systems like solar-powered lighting, could potentially alter project costs by adding upfront expenses but may provide long-term savings through reduced maintenance and operational costs.

b) What is the design life of the proposed materials compared to other available materials?

Although design has yet to be considered, replacement materials will be compared to other available materials to ensure longevity and durability. Generally, materials with longer design lives are preferred to minimize maintenance and replacement costs over time. The project may prioritize materials known for their resilience to marine environments, such as corrosion-resistant alloys or composite materials, which can offer extended service lives compared to traditional materials like wood or steel. By selecting materials with superior durability and resistance to degradation from exposure to saltwater and environmental stressors, the project aims to maximize the operational lifespan of the fuel pier and minimize the need for frequent maintenance or replacement.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

c) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The Hollywood Marina applies and implements best practices for waste management and pollution prevention, adhering to regulatory requirements for water quality and habitat protection, and participating in voluntary environmental programs or certifications. Additionally, the facility has implemented measures to conserve energy and water, minimize ecological impacts during operations, and promotes public awareness and education about environmental issues. These efforts showcase the facility's dedication to environmental responsibility and sustainability, aligning with the goals of the Navigation District and broader community initiatives.

d) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

Fuel pier design existing of replacing existing fixed pier with a floating dock that has wave attenuation. The project considerations will include use of materials suitable for the South Florida marina environment and construction methods will employ practices that minimize negative impacts to the surrounding aquatic environment and address sea level rise. These considerations may include elevating critical infrastructure components above projected sea levels, utilizing resilient materials and construction methods to withstand inundation or erosion, and incorporating adaptive management strategies to accommodate future changes in sea level. Additionally, the project may include provisions for regular monitoring of sea level rise trends and adaptation plans to address emerging risks over the lifespan of the pier. By incorporating these considerations, the project aims to mitigate the potential impacts of sea level rise and ensure the long-term viability and functionality of the fuel pier in the face of changing coastal conditions.

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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	Hollywood Marina Fuel Pier Phase I
Applicant:	City of Hollywood, FL

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Contracted Services			
Project Management	$10,000	$ 5,000	$ 5,000
Existing Conditions Survey	$ 80,000	$ 40,000	$ 40,000
Preliminary Design	$100,000	$ 50,000	$ 50,000
Regulatory Permitting	$ 80,000	$ 40,000	$ 40,000
Permitting & Project Inspection Fees	$ 4,000	$ 2,000	$ 2,000

****TOTALS =**	**$ 274,000.00**	**$ 137,000.00**	**$ 137,000.00**

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	Hollywood Marina Fuel Pier Phase I
Applicant:	City of Hollywood, FL

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 1st

(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date **Component**

October 2024- Beginning of Procurement process to secure a Marina Engineering Consultant

December 2024- Marina Engineering Consultant is selected and contracted.

January 2025- Existing condition surveys: In order to understand the underwater landscape on site, underwater site surveys will need to be performed. These will include a bathymetric survey, a marine resources survey, and a geotechnical investigation. These studies will be completed within 2 months of starting the project and are dependent upon weather and field conditions.

June 2025- Engineering design (30%): The engineering design of the renovated and/or replaced fuel pier and breakwater removal will be conducted by marina engineering consultants under contract with the City. Engineering design will consider existing physical and environmental conditions, permit requirements and concerns, local building code requirements, and user needs. Engineering design (30% design) is anticipated to be completed within 6 months of starting the project and includes design of breakwater removal; dredging analysis; engineering design documents for new fuel pier (30% design), including structural, electrical, water and fuel.

August 2025- Regulatory permitting: It is anticipated that this project will require environmental review and approval by the US Army Corps of Engineers, Florida Department of Environmental Protection, and Broward County. At the start of engineering design, the City and its consultant will initiate pre-application meetings with each agency to discuss permit requirements, timeline, and regulatory concerns. In concert with engineering design, the City's consultant will prepare the permit applications for City submission and assist the City with responses for additional information from each agency. Submission of regulatory applications is anticipated to be completed 4 to 6 weeks following completion of the engineering documents.

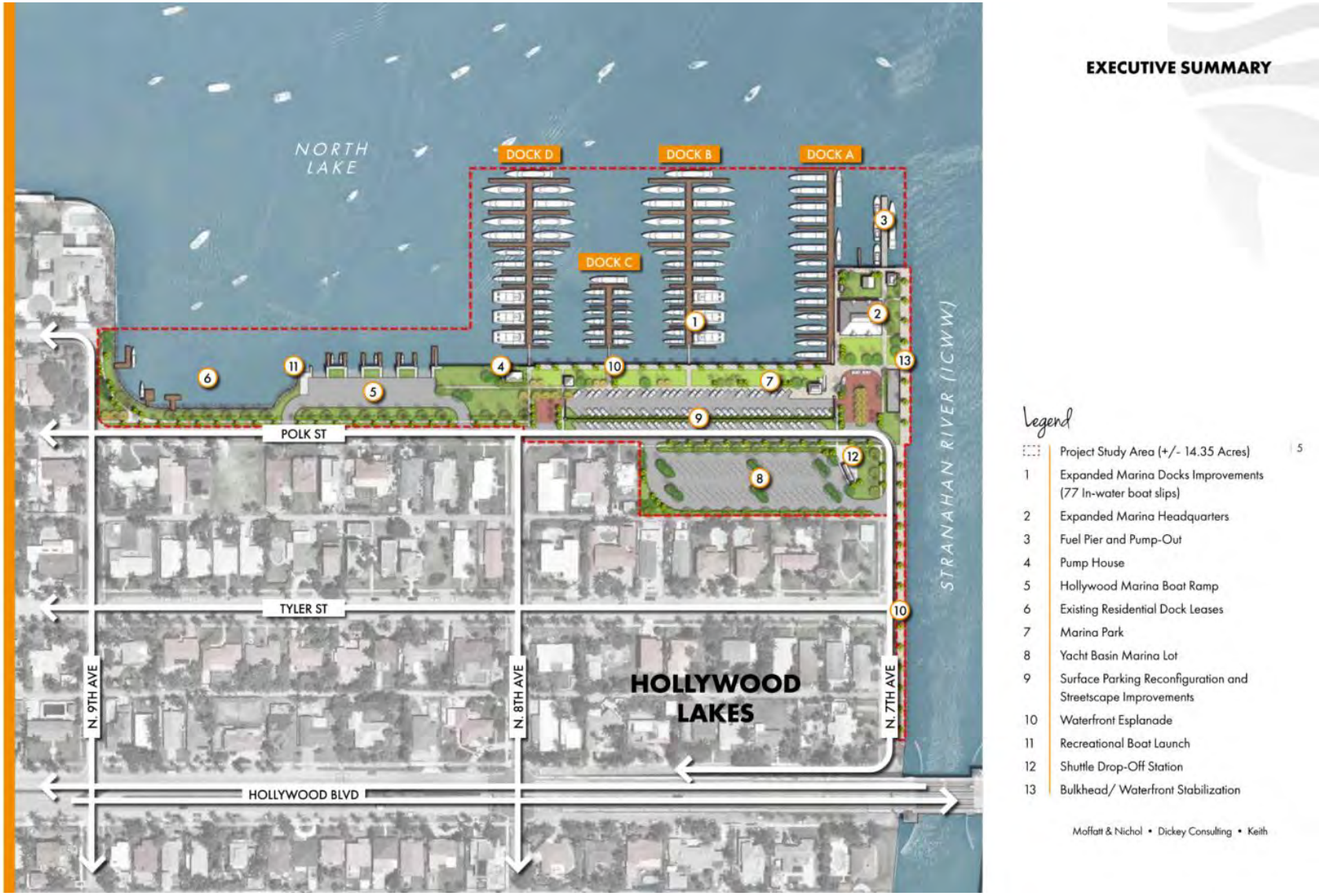
May 2026- 100% Construction Documents and regulatory Permitting completed.



Figure 1: Location of Hollywood Marina.



Figure 1: Boundary Map of Hollywood Marina. Select site features are labeled including the existing fuel pier and the breakwater that is proposed to be removed.



Future conceptual site plan of the City of Hollywood Marina from the Marina Master Plan (2022). The fuel pier (subject of this grant) is listed as number 3. All elements shown in this figure are planned to be renovated and upgraded in the coming years.



Photo 1 Fuel pier in need of renovation/replacement. Breakwater and ICWW are behind fuel pier. (Looking Southeast)



Photo 2 Breakwater (right) and fuel pier (left). Breakwater is to be removed and fuel pier renovated. (Looking North)



Photo 3 Fuel pier in need of renovation/replacement. (Police marine patrol vessels can be seen to the right secured to their floating dock structure.) (Looking South)



Photo 4 Southernmost fueling station.

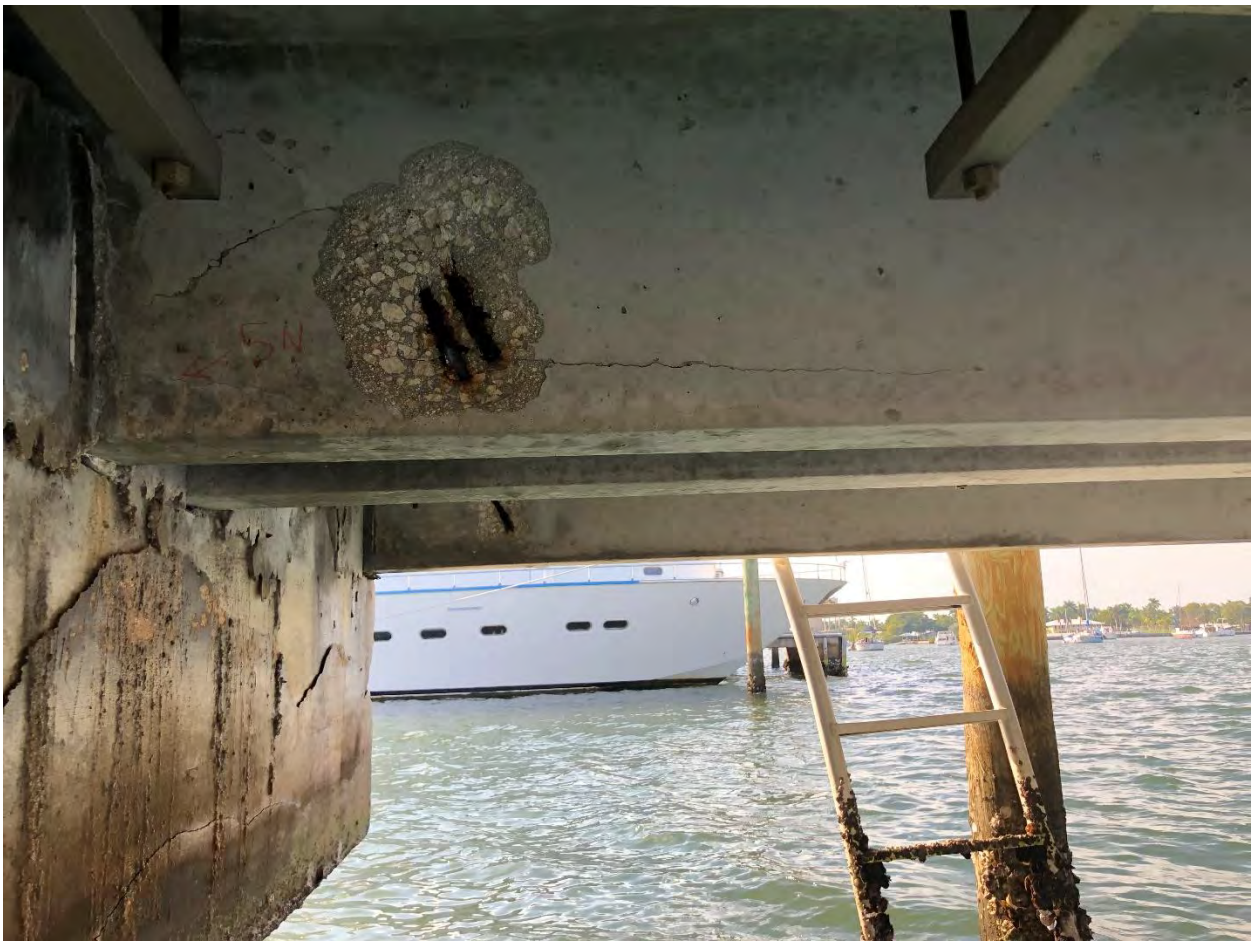


Photo 5 Exposed rebar on lateral support on underside of fuel pier.



Photo 6 Fuel pier in need of renovation/replacement. Marine pump-out vessel seen in photo foreground. (Looking Northeast)

County	Total in Class Canoes - Commercial	Vessel Type - Dealer	Total Dealers in County	Vessel Type - Pleasure	Total Pleasure Vessels in County	Vessel Type - Commercial
Alachua	1	Dealer	28	Pleasure	11,511	Commercial
Baker	0	Dealer	1	Pleasure	3,060	Commercial
Bay	0	Dealer	118	Pleasure	16,662	Commercial
Bradford	0	Dealer	9	Pleasure	2,580	Commercial
Brevard	3	Dealer	477	Pleasure	34,678	Commercial
Broward	0	Dealer	439	Pleasure	45,493	Commercial
Calhoun	0	Dealer	0	Pleasure	1,649	Commercial
Charlotte	2	Dealer	71	Pleasure	23,828	Commercial
Citrus	5	Dealer	53	Pleasure	17,577	Commercial
Clay	0	Dealer	26	Pleasure	13,100	Commercial
Collier	4	Dealer	98	Pleasure	23,942	Commercial
Columbia	0	Dealer	7	Pleasure	4,495	Commercial
Dade	2	Dealer	784	Pleasure	73,663	Commercial
Desoto	0	Dealer	0	Pleasure	2,462	Commercial
DHSMV	44	Dealer	2	Pleasure	3,472	Commercial
Dixie	0	Dealer	8	Pleasure	2,547	Commercial

Florida Highway Safety and Motor Vehicles (2022)

ATTACHMENT E-2

APPLICANT INFORMATION & PROJECT SUMMARY

WATERWAY ASSISTANCE PROGRAM FY 2024

APPLICANT INFORMATION			
Applicant: City of Pompano Beach			
Department: Engineering			
Project Title: Hillsboro Inlet Fishing Center & Park Bulkhead and Dock Improvements			
Project Director: Anthony Alhashemi		**Title:**	Project Manager
Project Liaison: *(if different from Director)*		**Title:**	
Mailing Address:	100 West Atlantic Blvd		
City: Pompano Beach, FL		**Zip Code:**	33060
Email Address: Anthony.Alhashemi@copbfl.com		**Phone #:**	954-786-4029
Project Address:	2700 N. Ocean Avenue, Pompano Beach, FL 33062 (Hillsboro Inlet Park) 2705 N. Riverside Drive, Pompano Beach, FL 33062 (Hillsboro Inlet Fishing Center)		

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

SIGNATURE: Anthony Alhashemi DATE: 3/11/2024

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

Hillsboro Inlet Fishing Center and Hillsboro Inlet Park are adjacent public facilities located on the south side of the Hillsboro Inlet bordering the west and east sides of the SR A1A bridge over the inlet channel. The two (2) facilities are joined by road and public walkway that extends beneath the SR A1A southerly bridge approach. The Hillsboro Inlet Fishing Center is a continuation of the fishing fleets that occupied the site back in the 1940's through the 1970's. It is a unique facility and known for providing some of the best fishing charters in southeast Florida. The facility operates a fleet of up to ten (10) very experienced fishing charters along with drift fishing opportunities and dive charters. Hillsboro Inlet Park located next to the Fishing Fleet Center on the opposite side of the SR AIA Bridge along Wahoo Bay is known as one of the best waterfront parks in southeast Florida providing a direct view of the Hillsboro Inlet and Lighthouse. The facility offers the public fishing opportunities from a pier extending into the Bay or from along the bulkhead and marginal docks adjacent to the bridge. The Park also offers transient dockage and water taxi access and will soon provide a floating platform in the Bay for snorkelers to swim amongst artificial reef structures recently deployed along the waterside of the Park. Additional Park features include public restrooms, multiple picnic areas, playground facilities, benches and gazebos.

Presently, the condition of the bulkhead and docks at the Fishing Center, as well as utilities servicing the slips, are showing extreme signs of age-related deterioration and were determined by engineers to be beyond reasonable and cost-practical repair. At the Fishing Center it is the objective of the City to replace all but a small section of the existing bulkhead and dock along with new electrical, water and fire protection systems. The new bulkhead will be a heavy-duty coated steel sheetpile system with concrete cap elevated to meet the current City standards for bulkhead height. A state-of-the-art aluminum dock supported on concrete piles will replace the all-timber dock to ensure strength, longevity and low maintenance. At the adjacent Park facility the bulkhead cap was determined by engineers to be in need of major repairs, which in light of new City standards for minimum bulkhead cap elevation and for increased protection of the park upland facilities, it was determined to reconstruct the cap to a higher elevation. In addition to the bulkhead repair work, the project includes reconstruction of the existing fishing piers to a higher elevation, addition of new marginal docks for expanded transient boater use and replacement of the promenade to maintain ADA compliance. Similar to the Fishing Center, the new docks will be aluminum frame systems supported on concrete piles to ensure strength, longevity and low maintenance.

ATTACHMENT E-3

PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2024

Applicant: City of Pompano Beach	**Project Title:** Hillsboro Inlet Fishing Center & Park Bulkhead and Dock Improvements	
Total Project Cost: $ 4,359,250.00	**FIND Funding Requested:** $ 2,179,625.00	**% of Total Cost:** 50%
Amount of Applicant's Matching Funds:	$ 2,179,625.00	
Source of Applicant's Matching Funds:	City of Pompano Beach Capital Improvements Budget	

1. Ownership of Project Site (check one): Own: (X) Leased: (X) Other:

2. If leased or other, please describe lease or terms and conditions:
The City of Pompano Beach owns the property at Hillsboro Inlet Park. The City is currently under a 99-year lease with private owners, William and Nancy Beatty, for the Hillsboro Inlet Fishing Center property. The City took control of the Lease in 1989 and was bound by the original terms of the Lease first executed by other parties in 1974. The City's remaining term of the 99- year Lease is 49 years.

3. Has the District previously provided assistance funding to this project or site? Yes (X) No: ☐ ◯
4. If yes, please list:
From the District Website, it appears the City was awarded three separate Grants for the Hillsboro Inlet Fishing Center (aka Hillsboro Inlet Marina). One was a Phase I Grant that was followed by a Phase II Grant. The other Grant was associated with the seawall. Dates of the Grants were not posted. There has been no apparent funding assistance from FIND associated with the Hillsboro Inlet Park 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):
The Hillsboro Inlet Fishing Center and adjacent Park are fully accessible to the general public at all times. The Park has approximately 400 linear feet of public promenade along the waterfront, as well as associated upland walkways, public restrooms, picnic areas, playgrounds and sitting areas for the general public to access and view the Hillsboro Inlet and Lighthouse. The Park has a metered parking lot with 24 spaces open to the public including dedicated handicap spaces. There is a public pier extending into Wahoo Bay that can be used for transient dockage and fishing. The existing pier can accommodate up to six(6) transient vessels and has a terminal pier for future water taxi pickup and drop-off. Adjacent to the SR A1A Bridge at the northeast side of the Park there is another public dock used for fishing by the general public. The Hillsboro Inlet Fishing Center has approximately 310 linear feet of public walkway bordering the waterfront providing access to the charter fishing fleet, drift fishing vessels and commercial dive charter operations. The marina has ten (10) charter boat slips and 260 linear feet of marginal dockage currently used for drift fishing charter boats and commercial dive boats. The facility has an estimated 56 non-metered parking spaces open to the public along with public restrooms.

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

The proposed project encompasses necessary repairs to deteriorating bulkhead structures bordering and protecting both facilities. The project also includes the replacement of docks at the Fishing Center and reconstruction of the docks and fishing piers at the Park facility. The new docks and piers will be constructed at the same location and approximate size as existing structures, It is proposed to construct 120 linear feet of additional dockage at the Park for transient boater use. There are no boat ramps at either facility and no plans for additional parking.

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.**

There are no charges associated with the use of the Fishing Center. Visitors of the Park are charged for parking only. Parking fees are deposited to the Parking Enterprise Fund with the revenue used to assist with debt service on certain City facilities and for maintenance of park assets.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD	NO	N/A	
DEP	YES	Pending Scheduled for April 2024	
ACOE	YES	Pending Scheduled for April 2024	

Note: A Broward County License will also be required.

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

ATTACHMENT E-4

EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Project Title:	Hillsboro Inlet Fishing Center & Park Bulkhead and Dock Improvements
Applicant:	City of Pompano 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.)

~~Priority 4: Public Shoreline Stabilization directly benefiting the District's waterway channels.~~

Priority 7: Acquisition, dredging, shoreline stabilization and development of public boat docking and mooring facilities

b) Explain how the project fits this priority category.

The primary purpose of the project is to replace the severely deteriorating bulkhead along the west shoreline of the Fishing Center bordering the ICWW extending easterly along the navigation channel to the west side of the SR A1A bridge over the Hillsboro Inlet channel. Bulkhead repairs will continue along the shoreline of the Park adjacent to the Hillsboro Inlet Channel and along Wahoo Bay. The bulkhead repairs and replacement project will ensure the long term integrity of the shoreline stabilization systems and help to protect the ICWW and Hillsboro Inlet channel from possible upland deposition of sediments into the waterways caused by failing bulkhead structures. The bulkhead structures will be elevated to new City standards developed in response to concerns of sea level rise. This will ensure maximum protection of upland property and increase the durability and longevity of this critical shoreline protection system along the ICWW.

(For reviewer only)
Max. Available Score for application 47

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

2) WATERWAY RELATIONSHIP:

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

The project, including the Fishing Center and the Park, is located directly on the ICWW and navigation channel extending from the ICWW towards the Hillsboro Inlet. The project provides boater access to the waterway, as well as provides access for the general public to the water for fishing, diving and other water related activities. The bulkhead repairs / replacement project will improve the structural capacity of the shoreline protection systems along both properties, prohibit the loss of sediments from the uplands into the waterway and provide a safer experience for visitors of the facilities.

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

The repairs / replacement of bulkheads and docks at both facilities will increase the longevity of the structures to ensure continued access and use by boaters. Presently, the bulkheads and docks require extensive maintenance, which often deters the use by boaters, those that wish to fish and others that desire to spend time along the waterfront. The new elevated bulkheads with state-of-the-art docks will result in a safer and more pleasant experience for all visitors both from land and by water. As such, it is expected there will be increased usage by the general public at both facilities. The project will also include additional dockage for transient use providing an overall navigational benefit to boaters utilizing the ICWW and adjacent waterways.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.

Based on parking records alone, the City has estimated that there are on average over 13,000 parking transactions at the Hillsboro Inlet Park annually. If there were two visitors associated with each parking charge this would indicate there are close to 30,000 visitors at the Park on an annual basis. This would not include the count of general public that park at the adjacent Fishing Center and walk over to the Park as parking is free and not documented at this City facility. The Fishing Center currently runs daily charters from up to ten (10) fishing boats along with daily fishing trips from two drift fishing boat, one at 70’ in length and the other at 100’ in length. The facility also supports dive boat operations with daily trips through the Inlet for diver access to the reefs off the Broward County coastline. Documentation on the total annual number of people that partake in the daily fishing and dive activities at the facility is not available but based on vessel capacity alone there are well over a hundred available fishing and dive opportunities on a daily basis.

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

The Hillsboro Inet Fishing Center and Park are open to the general public both locally and regionally regardless of residence. The Fishing Center provides a great benefit to anyone wishing to experience fishing or diving and is well known for its unique history in the charter boat industry. The Park situated on Wahoo Bay just inside of the Inlet provides a great view of vessels traversing to and from the Atlantic Ocean, as well as the historical Hillsboro Lighthouse. Residence from anywhere can visit either facility to take advantage of the facility amenities.

c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?

There are no plans to change current boating access, speed zones, commercial access or other restrictive use of the site. Currently the navigational channels adjacent to both sites are posted “no wake” zones. There are no restrictions placed on commercial or public access to the Fishing Center or Park. The Park is open all day to the public and closes at 11PM. The Fishing Center docks are open all day to the general public but closed in the evenings unless there are charters scheduled. The Fishing Center does have a pier that is open to the general public and to mariners on a 24/7 basis in case of emergency.

(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.

Conceptual plans for both the Fishing Center and Park are complete and approved by the City. Preparation of final construction plans and specifications for both facilities along with project bid documents are in process. Preparation of county, state and federal environmental permit applications are also in process and are expected to be filed in April of this year. As the proposed improvements associated with each facility entails repairs and replacement of existing authorized structures, barring any unforeseen circumstances, the permitting process is expected to be completed within no more than 90 to 120 days of application submittal, with permits issued by no later than September of 2024. Project bidding is scheduled to occur in the fall of 2024 with construction commencement at or around January to February of 2025. Total duration of construction is projected at 180 to 270 calendar days at both facilities with an estimated final project completion date in the last quarter of 2025.

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

The unique aspect of both projects includes performing the work while both facilities remain open to the public to some extent during construction. Specifically, the City will seek all opportunities to minimize impacts to the commercial fish and dive operations at the Fishing Center. Phasing the construction to avoid disruption of daily charters will be considered to reduce potential revenue loss by the charter fleet owners, captains and crew members. This could potentially influence projected project timelines.

(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 any cash match or matching grant funds.

The City will fund 50% of the total project cost and has planned, accordingly.

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

It is imperative that the repairs to the failing bulkhead structures and docks at both facilities be initiated promptly as continued deterioration of the structures could affect cost of the repairs especially if there is a total failure. The proposed materials that will be used for the structure repair work and replacements are common to the industry but can vary up or down depending on raw material costs such as commonly seen in steel and aluminum. Major storm events impacting the area or anywhere in the State or bordering states could cause material shortages and associated increased cost of product. These significant storm events could also cause labor cost increases as contractors become committed to multiple projects ultimately resulting in competitive bidding challenges and escalated bid amounts.

c) Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.

There are only fees associated with parking at the Hillsboro Inlet Park. There are no fees associated with the public use of the Fishing Center.

d) If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, inthe project area.

Parking fees charged at the Park are deposited to the Parking Enterprise Fund with the revenue used to assist with debt service on certain City facilities and for maintenance of park assets. The parking meters at the Park share the same "zone" as other parking lots in the area such as that at Oceanside Park, Alsdorf Park and Wells Fargo Bank. The parking charges at the Park are therefore, common to other public and private facilities in the area.

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

a) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

The Hillsboro Inlet Fishing Center and Park are completely open the general public at all times. The Fishing Center is a well-known historical highlight of the City providing an attraction for the local residents including non-residents visiting southeast Florida. The adjoining Park provides a unique experience for locals and non-locals to fish, picnic or simply visit to observe the ocean inlet and historical Hillsboro Lighthouse. The continued maintenance of these facilities will ensure safety for the community and protection of public property. The project entails much needed maintenance and repairs to existing City facilities and is not associated with meeting demands at existing facilities.

b) Clearly demonstrate how the project will continue to be maintained and funded after funding iscompleted.

As demonstrated over the years, the City of Pompano Beach Public Works Department will continue to maintain and improve the Fishing Center and Inlet Park. The improvements pursuant to this funding assistance request will be designed for durability and low maintenance to assist in the City's long-term efforts and cost of maintenance.

c) Is this project referenced or incorporated in an existing maritime management, public access or comp plan?

The project is not referenced or incorporated in an existing maritime management, public access or comp plan.

(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

EVALUATION WORKSHEET

DEVELOPMENT & CONSTRUCTION PROJECTS

WATERWAY ASSISTANCE PROGRAM FY 2024

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.

Preparation of county, state and federal environmental permit applications are in process and are expected to be filed in April of this year. As the proposed improvements associated with each facility entail repairs and replacement of existing authorized structures, assuming no unforeseen obstacles, the permitting process is expected to be completed within no more than 90 to 120 days of application submittal with permits issued by no later than September of 2024.

b) If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.

Funding assistance is being requested by the City to seek participation by the District in the construction of the improvements. Engineers are under contract and currently working on the final design plans and specifications for both sites while concurrently working on the environmental permitting processes. This is not a Phase I project. The total cost of construction for the combined scope of work at both facilities has been estimated at $4,359,250.

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

No significant impediments have been identified that could potentially delay the issuance of required permits. The replacement of the bulkhead and docks at the Fishing Center have been designed to replace the current structures in the same approximate location and size as existing. The new bulkhead will be constructed immediately waterward of the existing wall and is expected to meet the criteria of an exempt activity. The docks will be of the same size as existing and result in no additional slips at the facility. Additionally, the improvements will be confined to the limits of the existing State Submerged Lands Lease eliminating any proprietary matters to deal with during the permitting process. At the Park, the bulkhead work will consist of the replacement of the concrete cap only and not include any in-water work. Technically, this will only require a local Building Permit with no need to secure county, state or federal environmental permits. The fishing pier reconstruction at the Park will encompass the replacement of the existing structure framing and decking at a higher elevation and be designed to utilize existing concrete piles. This work should qualify as an exempt activity. The only activity requiring a permit will be the expansion of transient dockage along the existing bulkhead. It is expected, based on the size of this structure and proximity to the channel, permit acquisition for this improvement should not cause an issue or significantly delay the issuance 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?

Conceptual design plans for both project sites have been completed and preparation of construction plans, specifications along with project bid documents are in process. 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?

The bulkhead and dock replacement improvements will be designed to replace or improve existing structures using materials and specific products that are proven to be durable and require little or no maintenance. This will result in safer facilities for the use by boaters and the general public and substantially reduce maintenance costs for the City. The use of existing structures to the extent practical will be incorporated into the project to help reduce initial construction cost. The project will result in elevated bulkheads along the perimeter of both sites to help combat sea level rise and will ultimately reduce upland stormwater runoff into the waterway and decrease the chances of upland erosion caused by tidal, surge and/or wave overtopping of the structure during extreme tide and storm events.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

a) Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.

The bulkhead repairs and replacement work including marginal dock replacement can be completed using all land-based equipment providing the most efficient and cost-effective means of completing the work. It is the intent to replace the existing bulkhead at the Fishing Center by driving steel sheetpile immediately waterside of the existing wall leaving the existing structure in place, all or in part. The new bulkhead will be supported laterally by concrete batter piles driven by land-based equipment using pneumatic or mechanical drop-hammer, as dictated by the contractor. Extreme care will be taken to minimize disruption of upland property. The old timber frame docks at both facilities will be removed and replaced with state-of-the-art aluminum frame docks, pre-manufactured to fit with existing and new concrete support piles. The dock structures will be fabricated offsite in pre-determined section lengths and delivered directly to onsite staging areas ready for installation. This will reduce overall installation timeframes. The docks will be designed with integral utility chase-ways to provide a very efficient and cost-effective means of installing new marina utilities.

b) What is the design life of the proposed materials compared to other available materials?

The bulkhead and dock replacement improvements will be designed using materials and specific products that are proven to be durable with little or no required maintenance and will provide long-lasting benefits to the City and their residents. The bulkhead replacement at the Fishing Center will be constructed using epoxy coated steel sheetpiles. The concrete caps at both facilities will be constructed using high-strength concrete with specific additives to prolong the life of the concrete and internal steel components. The current timber frame docks at both facilities will be replaced with aluminum frame dock systems with composite decking to prolong the life of the marina facilities and fishing piers. Even when subject to the harsh marine environment at the inside of Hillsboro Inlet with direct exposure to the Atlantic Ocean, the new bulkhead and dock components are projected to have a 50+ year life expectancy. Additionally, the project will result in elevated bulkheads along the perimeter of both sites to help combat sea level rise.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?

The City has committed to continued maintenance and management of the facilities to ensure environmental compliance and avoidance of environmental impacts. As demonstration of stewardship, City maintenance crews have and will continue to monitor and maintain the cleanliness of the facility grounds, walkways, docks, fishing piers and public restroom facilities to ensure the most pleasant and safe experience for both residents and non-residents. The City, in coordination with the County and local University, has also participated in the installation of artificial reef systems along the Park waterfront for providing opportunities to connect with marine ecosystems within Wahoo Bay. The artificial reef program at the Park will be enhanced by the future installation of a floating platform along Park fishing pier for use by snorkelers wishing to experience marine life accumulating and residing within and around the artificial reef structures. Signage associated with the protection of Manatee and other marine life are posted at both facilities to educate and promote environmental awareness. Proposed project components will be designed for sustainability with continued environmental compliance, education and awareness aspects.

b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?

The bulkhead improvements at both facilities are designed at a higher elevation to help combat sea level rise and ultimately reduce upland stormwater runoff into the waterway and upland erosion caused by tidal, surge and/or wave overtopping of the structure during extreme tide and storm events. The docks will also be elevated in consideration of potential sea level rise impacts. This will prolong the life of the bulkhead and dock structures including upland property and infrastructure, as well as facility buildings and other site features.

(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

PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2024

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

Project Title:	**Hillsboro Inlet Fishing Center & Park Bulkhead & Dock Improvements**
Applicant:	**City of Pompano Beach**

Project Elements *(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)*	**Total Estimated Cost**	**Applicant's Cost** (To the nearest $50)	**FIND Cost** (To the nearest $50)
Mobilization & Demobilization	$ 225,000.00	$ 112,500.00	$ 112,500.00
Bulkhead Replacement & Repairs – Hillsboro Inlet Fishing Center & Park	$1,891,200.00	$ 945,600.00	$ 945,600.00
Marginal Dock Replacement – Hillsboro Inlet Fishing Center & Park	$1,099,550.00	$ 549,775.00	$ 549,775.00
Utilities, Lighting & Fire Hillsboro Inlet Fishing Center & Park	$ 408,500.00	$ 204,250.00	$ 204,250.00
Site Restoration – Hillsboro Inlet Fishing Center & Park	$ 465,000.00	$ 232,500.00	$ 232,500.00
Survey, Environmental, Permits & Licenses	$ 120,000.00	$ 60,000.00	$ 60,000.00
Construction Administration	$ 150,000.00	$ 75,000.00	$ 75,000.00

****TOTALS =**	**$4,359,250.00**	**$2,179,625.00**	**$2,179,625.00**

ATTACHMENT E-6

PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2024

Project Title:	**Hillsboro Inlet Fishing Center & Park Bulkhead & Dock Improvements**
Applicant:	**City of Pompano 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 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
Mid-September 2024	**Permits Received**
October 1, 2024	**Plans, Specifications & Bid Documents**
November 15, 2024	**Bids Received, Contractor Selection**
December 15, 2024	**Contract Award**
February 1, 2025	**Construction Commencement**
October 1, 2025	**Construction Complete**

Sea Diversified, Inc.
160 Congress Park Drive
 # 114
Delray Beach, Florida 33445

HILLSBORO INLET FISHING CENTER AND PARK BULKHEAD REPAIRS DOCK REPLACEMENT

ESTIMATE OF PROBABLE CONSTRUCTION COSTS

HILLSBORO INLET FISHING CENTER - BULKHEAD & MARGINAL DOCK					
Project Component A: Steel Sheetpile, Concrete Batter Piles, 32" Concrete Cap					
1.0	Steel Sheetpile - Furnish and Install	345	lf	$ 3,100.00	$ 1,069,500.00
2.0	Concrete Batter Piles - Furnish and Install	44	ea	$ 4,200.00	$ 184,800.00
3.0	24"x38" Concrete Cap	345	lf	$ 450.00	$ 155,250.00
4.0	Demolition of Existing Structure	1	ls	$ 125,000.00	$ 125,000.00
5.0	Closure Pours	1	ls	$ 10,000.00	$ 10,000.00
Subtotal - Component A Steel Sheetpile Bulkhead					**$ 1,544,550.00**
Project Component B: Marginal Dock					
1.0	Marginal Dock - Fixed (6'x345')	2,448	sf	$ 125.00	$ 306,000.00
	- Aluminum Frame/Composite Decking				
2.0	Concrete Piles - Marginal Dock - Furnish and Install	62	ea	$ 4,200.00	$ 260,400.00
3.0	Concrete Pile Trim and Fenders - Furnish and Install	20	ea	$ 500.00	$ 10,000.00
4.0	Timber Mooring Piles - Charter Slips - Furnish and Install	22	ea	$ 2,900.00	$ 63,800.00
5.0	Aluminum Ladders - Furnish and Install	7	ea	$ 1,250.00	$ 8,750.00
6.0	Cleats - (18") - Supply / Install	40	ea	$ 350.00	$ 14,000.00
Subtotal - Component B Marginal Dock and Finger Piers					**$ 662,950.00**
Project Component C: Utilities and Fire					
1.0	Power and Lighting - (12) Slips including Marginal	12	ea	$ 15,000.00	$ 180,000.00
2.0	Potable Water- (12) Slips including Marginal	12	ea	$ 5,000.00	$ 60,000.00
3.0	Sewer- (12) Slips including Marginal	12	ea	$ 7,500.00	$ 90,000.00
4.0	Fire System - Assummed Existing	1	ls	$ -	$ -
5.0	Fire Extinguisher Cabinets - Furnish and Install	5	ea	$ 1,500.00	$ 7,500.00
6.0	Electrical Demoltion and Disconnects	1	ls	$ 12,000.00	$ 12,000.00
Subtotal - Component C Utilities and Fire					**$ 349,500.00**
Project Component D: Site Restoration Allowances					
1.0	Paver Walkway Restoration Allowance - 350 LF	1	ls	$ 35,000.00	$ 35,000.00
2.0	Asphalt Parking Restoration Allowance	1	ls	$ 25,000.00	$ 25,000.00
3.0	Site Lighting Replacement Allowance	1	ls	$ 60,000.00	$ 60,000.00
4.0	Signage, Kiosks, Fish Cleaning Station - Allowance	1	ls	$ 35,000.00	$ 35,000.00
5.0	Landscape Restoration Alowance	1	ls	$ 25,000.00	$ 25,000.00
6.0	Stormwater Management Allowance	1	ls	$ 50,000.00	$ 50,000.00
Subtotal - Component D Site Restoration Allowances					**$ 230,000.00**

Summary - Hillsboro Inlet Fishing Center	
Project Component A - Steel Sheetpile Bulkhead	$ 1,544,550.00
Project Component B - Marginal Dock and Mooring Piles	$ 662,950.00
Project Component C - Utilities and Fire	$ 349,500.00
Project Component D - Site Restoration Allowances	$ 230,000.00
SubTotal Components A - D	**$ 2,787,000.00**

Sea Diversified, Inc.
160 Congress Park Drive
 # 114
Delray Beach, Florida 33445

HILLSBORO INLET FISHING CENTER AND PARK BULKHEAD REPAIRS DOCK REPLACEMENT

ESTIMATE OF PROBABLE CONSTRUCTION COSTS

HILLSBORO INLET PARK - BULKHEAD & MARGINAL DOCK					
Project Component A: Bulkhead Repairs					
1.0	Demolition of Existing Cap, Railing & Walkway	1	ls	$ 125,000.00	$ 125,000.00
2.0	36"x33" Concrete Cap	403	lf	$ 550.00	$ 221,650.00
Subtotal - Component A Bulkhead Repairs					**$ 346,650.00**

Project Component B: Marginal Dock & Piers					
1.0	Marginal Dock & Pier - Frame & Deck Replacement	1,568	sf	$ 125.00	$ 196,000.00
	- Aluminum Frame/Composite Decking				
2.0	Marginal Dock - Frame & Deck New	720	sf	$ 125.00	$ 90,000.00
	- Aluminum Frame/Composite Decking				
3.0	Concrete Piles - New Marginal Dock - Furnish and Install	26	ea	$ 4,200.00	$ 109,200.00
4.0	Concrete Pile Trim and Fenders - Furnish and Install	13	ea	$ 500.00	$ 6,500.00
5.0	Timber Fender Piles - Water Tax Dock	6	ea	$ 2,900.00	$ 17,400.00
5.0	Aluminum Ladders - Furnish and Install	7	ea	$ 1,250.00	$ 8,750.00
6.0	Cleats - (18") - Supply / Install	25	ea	$ 350.00	$ 8,750.00
Subtotal - Component B Marginal Dock & Piers					**$ 436,600.00**

Project Component C: Utilities and Fire					
1.0	Lighting - Marginal Docks & Pier	1	ea	$ 35,000.00	$ 35,000.00
2.0	Potable Water- Marginal Dock & Pier	1	ea	$ 15,000.00	$ 15,000.00
3.0	Fire Extinguisher Cabinets - Furnish and Install	6	ea	$ 1,500.00	$ 9,000.00
Subtotal - Component C Utilities and Fire					**$ 59,000.00**

Project Component D: Site Restoration Allowances					
1.0	Paver Walkway Restoration (3500 sf)	1	ls	$ 52,500.00	$ 52,500.00
2.0	Decorative Patio Restoration	1	ls	$ 45,000.00	$ 45,000.00
3.0	Site Walkway Lighting Replacement	1	ls	$ 25,000.00	$ 25,000.00
4.0	Signage, Kiosks, Fish Cleaning Station	1	ls	$ 35,000.00	$ 35,000.00
5.0	Landscape Restoration	1	ls	$ 25,000.00	$ 25,000.00
6.0	Stormwater Management	1	ls	$ 50,000.00	$ 50,000.00
7.0	Benches, Trash Receptacles, Picnic Tables	1	ls	$ 10,000.00	$ 10,000.00
8.0	Aluminum Guardrail	500	lf	$ 85.00	$ 42,500.00
Subtotal - Component D Site Restoration Allowances					**$ 285,000.00**

Summary - Hillsboro Inlet Park	
Project Component A - Bulkhead Cap Repairs	$ 346,650.00
Project Component B - Marginal Dock and Piers	$ 436,600.00
Project Component C - Utilities and Fire	$ 59,000.00
Project Component D - Site Restoration Allowances	$ 285,000.00
SubTotal Components A - D	**$ 1,127,250.00**

Sea Diversified, Inc.
160 Congress Park Drive
 # 114
Delray Beach, Florida 33445

HILLSBORO INLET FISHING CENTER AND PARK BULKHEAD REPAIRS DOCK REPLACEMENT

Estimate of Costs
3/26/24
3

Project Component E: Other - Hillsboro Inlet Fishing Center & Park			
1.0	Contractor Mobilization	$	225,000.00
2.0	Staging Area Construction, Fencing and Other	$	30,000.00
3.0	Insurance, Licenses, Bonds and Other Misc.	$	10,000.00
4.0	Survey Control / Layout / Asbuilt Survey	$	20,000.00
5.0	Environmental Control (Silt Fences, Turbidity Screens)	$	30,000.00
6.0	Permit Allowance	$	30,000.00
Subtotal - Component E Other		**$**	**345,000.00**

Summary - Hillsboro Inlet Fishing Center & Park	
Project Component A - Bulkhead Replacement & Repairs	$ 1,891,200.00
Project Component B - Marginal Dock & Pier Replacement	$ 1,099,550.00
Project Component C - Utilities and Fire	$ 408,500.00
Project Component D - Site Restoration Allowances	$ 515,000.00
Project Component E - Other	$ 345,000.00
Subtotal A Estimated Construction Cost	**$ 4,259,250.00**
Contingency @ 10%	$ 425,925.00
Subtotal B Estimated Construction Cost	**$ 4,685,175.00**
Construction Administration	$ 150,000.00
Total Estimated Cost	**$ 4,835,175.00**

APPLICATION EXHIBITS FOR CITY OF POMPANO BEACH HILLSBORO INLET FISHING CENTER & PARK BULKHEAD & DOCK IMPROVEMENTS



NOT TO SCALE

GULF OF MEXICO

ATLANTIC OCEAN

PROJECT LOCATION

PREPARED FOR:

FLORIDA INLAND NAVIGATION DISTRICT
WATERWAYS ASSISTANCE PROGRAM - 2024

CITY OF POMPANO BEACH
HILLSBORO INLET FISHING CENTER & PARK IMPROVEMENTS

COUNTY LOCATION MAP

BROWARD COUNTY, FLORIDA

pompano beach
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Delray Beach, Florida 33445

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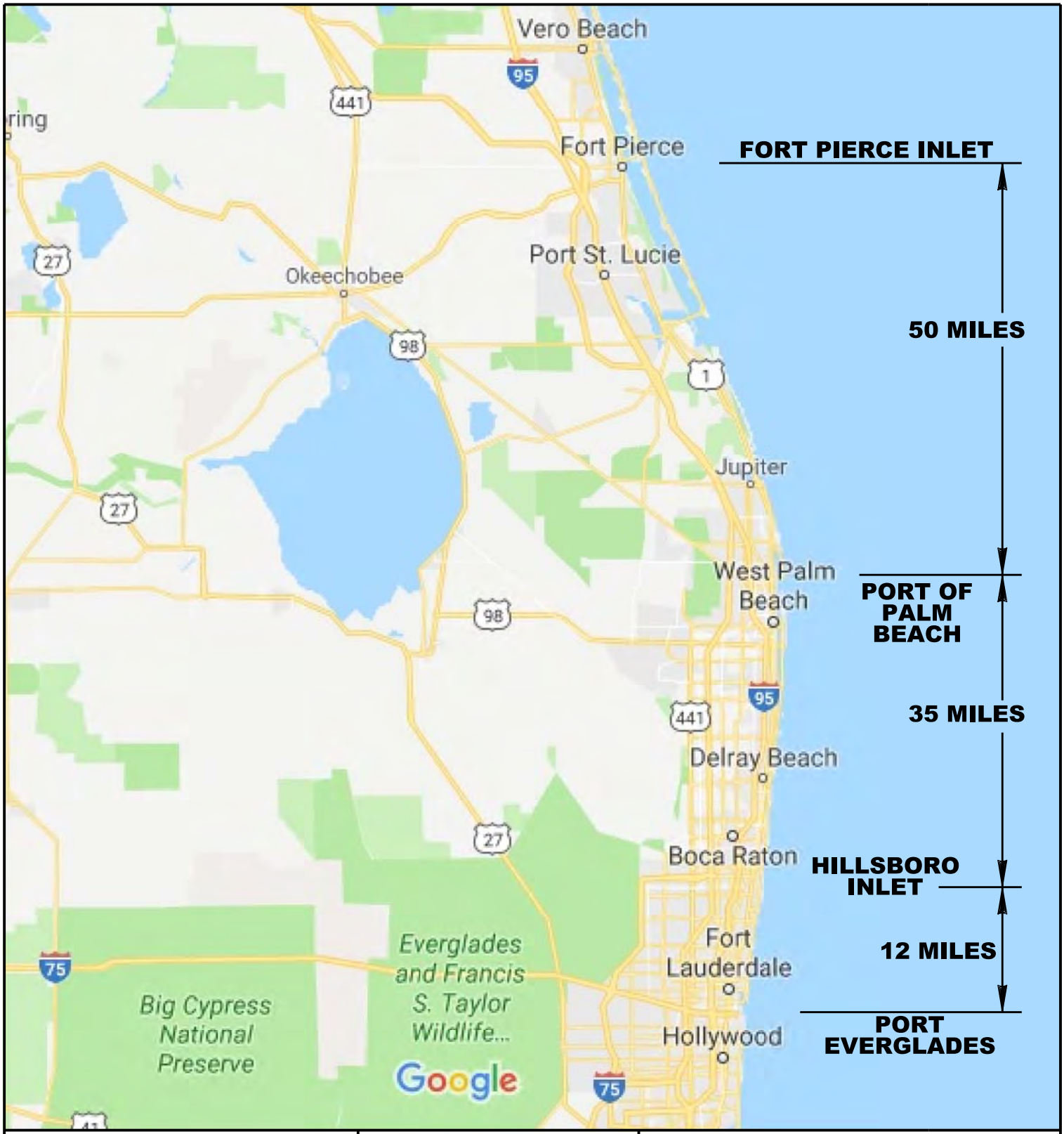

CITY OF POMPANO BEACH
HILLSBORO INLET FISHING CENTER & PARK IMPROVEMENTS

PROJECT PROXIMITY MAP

BROWARD COUNTY, FLORIDA

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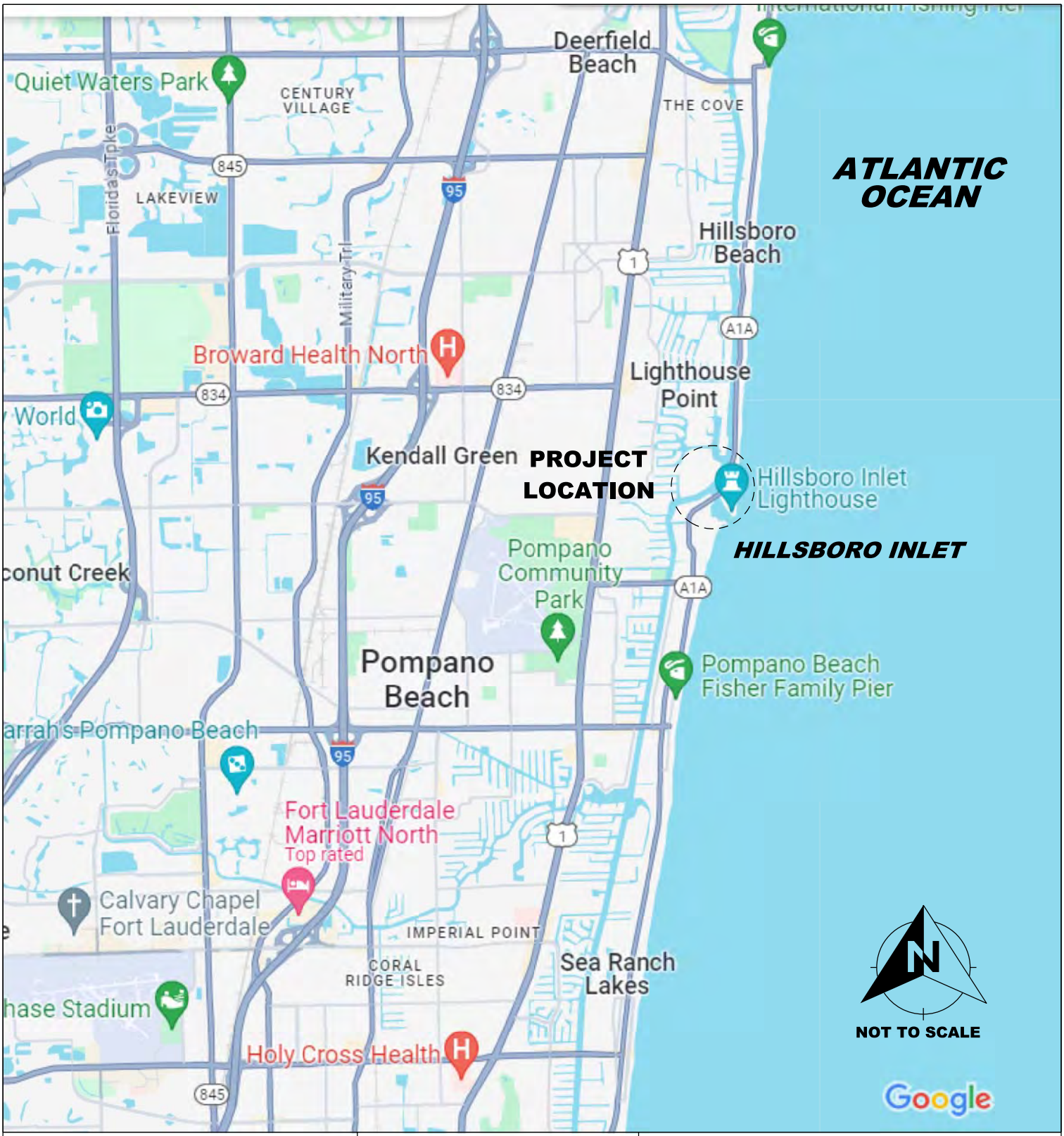

CITY OF POMPANO BEACH
HILLSBORO INLET FISHING CENTER & PARK IMPROVEMENTS

PROJECT LOCATION MAP

BROWARD COUNTY, FLORIDA

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CITY OF POMPANO BEACH
HILLSBORO INLET FISHING CENTER & PARK IMPROVEMENTS

AERIAL MAP

BROWARD COUNTY, FLORIDA

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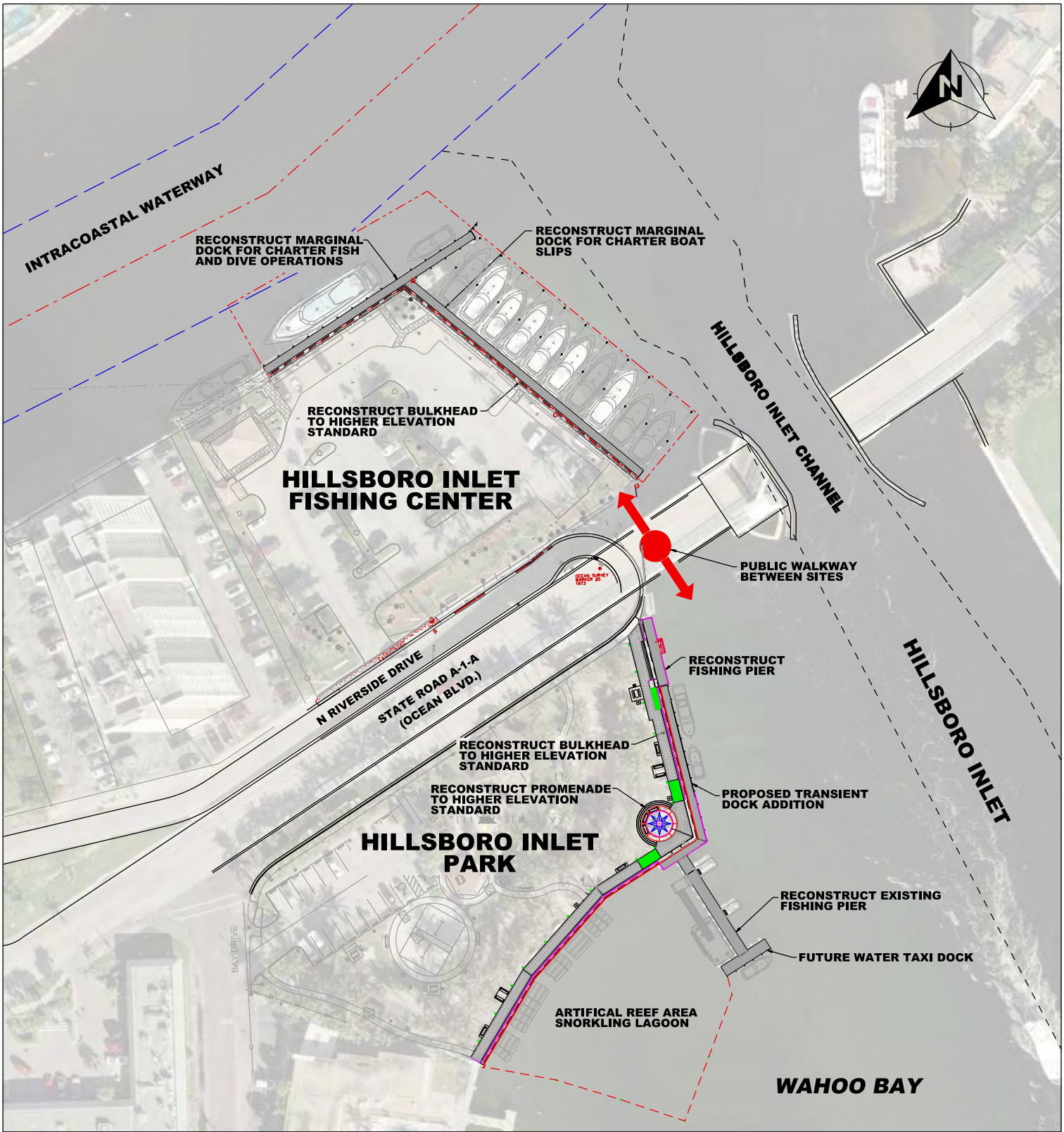

CITY OF POMPANO BEACH
HILLSBORO INLET FISHING CENTER & PARK IMPROVEMENTS

SITE PLAN

BROWARD COUNTY, FLORIDA

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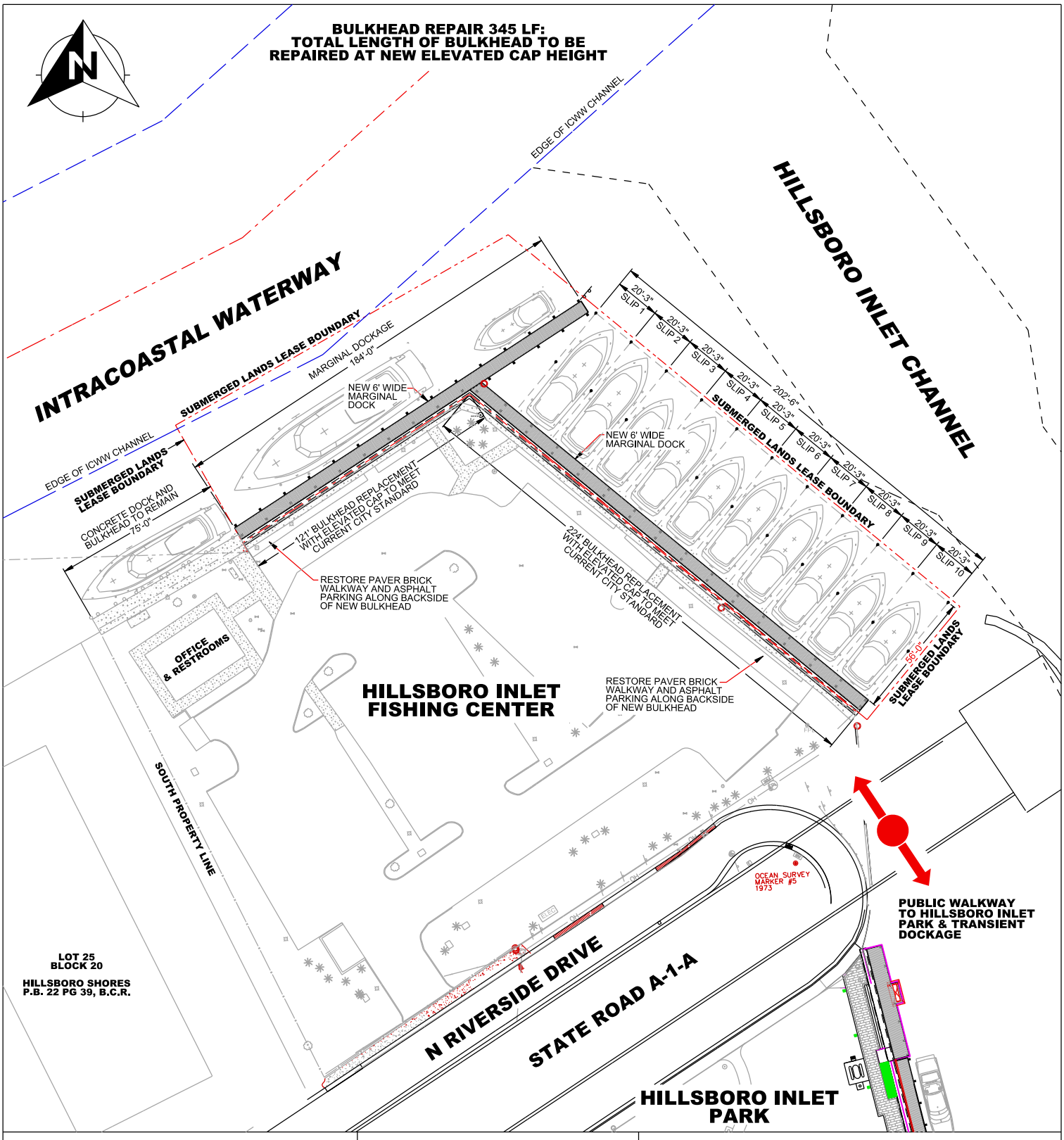

CITY OF POMPANO BEACH
HILLSBORO INLET FISHING CENTER & PARK IMPROVEMENTS

HILLSBORO FISHING CENTER - WATERFRONT IMPROVEMENTS

BROWARD COUNTY, FLORIDA

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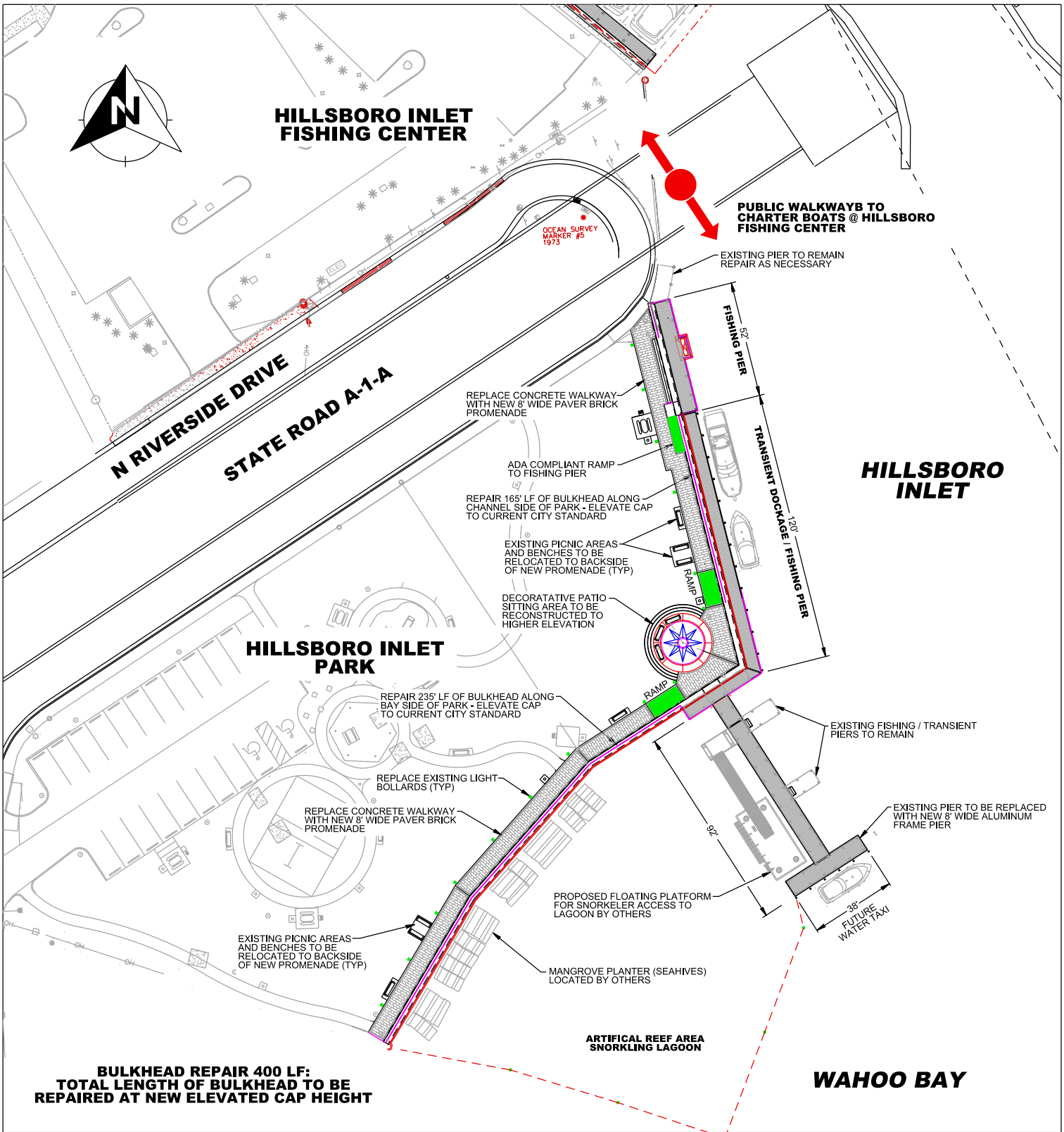

CITY OF POMPANO BEACH
HILLSBORO INLET FISHING CENTER & PARK IMPROVEMENTS

HILLSBORO INLET PARK WATERFRONT IMPROVEMENTS

BROWARD COUNTY, FLORIDA

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FACILITY SIGN



CHARTER BOAT SLIPS



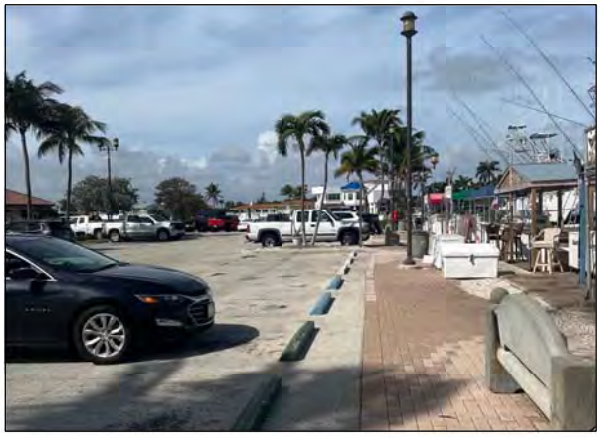
ICWW MARGINAL SLIPS



NORTH DOCK ALONG ICWW



OFFICE / RESTROOM FACILITY



PAVER BRICK WALK & PARKING

CITY OF POMPANO BEACH
HILLSBORO INLET FISHING CENTER & PARK IMPROVEMENTS

HILLSBORO INLET FISHING CENTER - EXISTING SITE CONDITIONS

BROWARD COUNTY, FLORIDA

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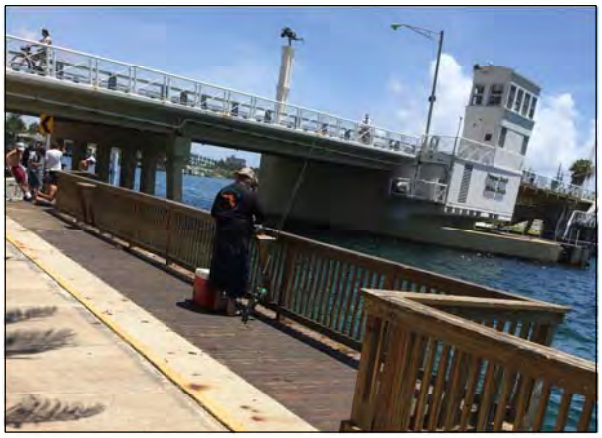
PIER ACCESS SIGNAGE



BULKHEAD & WALK ALONG WAHOO BAY



FISHING PIER AT BRIDGE



BULKHEAD & WALK ALONG INLET



FISHING PIER ALONG BAYSIDE



ACCESS CORRIDOR TO FISHING CENTER

CITY OF POMPANO BEACH
HILLSBORO INLET FISHING CENTER & PARK IMPROVEMENTS

HILLSBORO INLET PARK - EXISTING SITE CONDITIONS

BROWARD COUNTY, FLORIDA

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