

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: June 6, 2017

Consent
 Ordinance

Regular
 Public Hearing

Department: Parks and Recreation

Submitted By: Parks and Recreation Department

Submitted For: Parks and Recreation Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Amendment No. 01 to Agreement with South Florida Water Management District (SFWMD) Indian River Lagoon License Plate (IRLP) for an environmental restoration project at DuBois Park to modify the source of the required matching funds. This grant contract runs from November 7, 2016, through November 7, 2017.

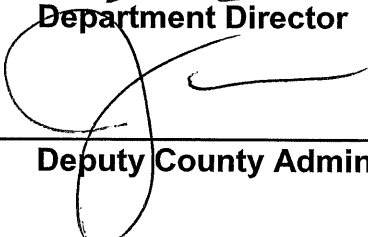
Summary: On July 12, 2016, the Board authorized submission of an Indian River Lagoon License Plate grant application to SFWMD, R2016-0908, for shoreline stabilization and environmental restoration at DuBois Park. The grant was awarded and the SFWMD Agreement No. 4600003522 was presented to the Board on December 20, 2016, R-2016-1886 to receive and file. The Funding Agreement is now being modified to 1) revise Exhibit "A-1" in order to combine project elements into a single pay application for accounting purposes, and, 2) modify the source of the required matching funds. The County originally proposed providing \$33,333 in matching funds using staff time, however, \$10,000 for an ADA compliant pathway has been included in the scope of the project and staff charges are being reduced from \$33,333 to \$23,333. District 1 (AH)

Background and Justification: Indian River Lagoon License Plate grants are provided by the South Florida Water Management District for environmental projects within the portion of the Lagoon located in St. Lucie, Martin and Palm Beach counties. Funding for this program is generated by the sale of license plates, with money allocated to each county based on the number of license plates sold in that county annually. Project elements include construction of a concrete ramp into the DuBois snorkeling lagoon which will provide access for heavy equipment to remove sand buildup during low tide, installation of native vegetation to provide both shade and habitat and stabilization of 100 linear feet of shoreline on the eastern side of the DuBois tidal creek.

Attachment: South Florida Water Management District Amendment No.1

Recommended by: 
Department Director

5-8-17
Date

Approved by: 
Deputy County Administrator

5-23-17
Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2017	2018	2019	2020	2021
Capital Expenditures	\$133,333	-0-	-0-	-0-	-0-
Operating Costs	-0-	-0-	-0-	-0-	-0-
External Revenues	(100,000)	-0-	-0-	-0-	-0-
Program Income (County)	-0-	-0-	-0-	-0-	-0-
In-Kind Match (County)	-0-	-0-	-0-	-0-	-0-
NET FISCAL IMPACT	*\$33,333	-0-	-0-	-0-	-0-
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____


Is Item Included in Current Budget? Yes X No _____

Budget Account No.: Fund _____ Department _____ Unit _____
 Object _____ Program _____

B. Recommended Sources of Funds/Summary of Fiscal Impact:

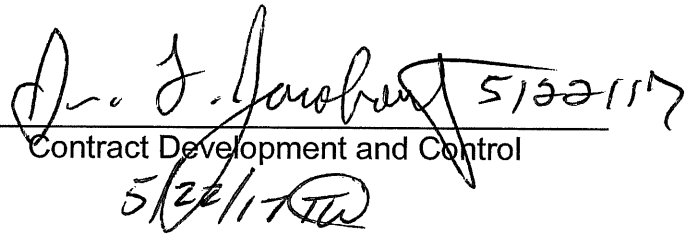
SFWMD grant	3600-582-P825	\$100,000
ADA Compliance Measures	3600-581-P757	10,000
Staff Cost (staff funded through General Fund)	0001-580-5140	23,333
Total Grant Project Cost		\$133,333

* This amount may be revised based on the actual grant award.

C. Departmental Fiscal Review: _____


III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

 5/22/17
 Contract Development and Control
 OFMB 5/16/17
 5/12/17

B. Legal Sufficiency:

 5.23.17
 Assistant County Attorney

C. Other Department Review:

 Department Director

REVISED 10/95
 ADM FORM 01

This summary is not to be used as a basis for payment



SOUTH FLORIDA WATER MANAGEMENT DISTRICT AMENDMENT

4600003522-A01

AMENDMENT NO. 01

TO AGREEMENT NO. 4600003522

BETWEEN THE

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

AND

**PALM BEACH COUNTY BOARD OF COMMISSIONERS - DEPARTMENT OF
PARKS & RECREATION**

This **AMENDMENT NO. 01**, is entered into on MAY 22 2017 , to that **AGREEMENT** dated November 07, 2016, between "the Parties," the South Florida Water Management District (**DISTRICT**), and Palm Beach County Board Of Commissioners - Department Of Parks & Recreation (**COUNTY**).

WITNESSETH THAT:

WHEREAS, the **AGREEMENT** may be amended with the prior written approval of the Parties; and

WHEREAS, the Parties wish to amend the **AGREEMENT** in order to revise the Payment and Deliverable Schedule of the **AGREEMENT**;

NOW THEREFORE, the **DISTRICT** and the **COUNTY**, in consideration of the mutual benefits flowing from each to the other, do hereby agree as follows:

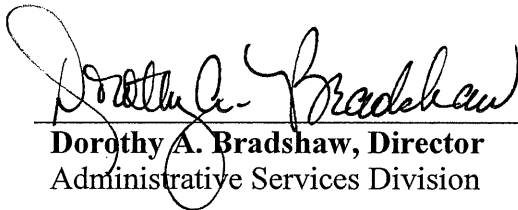
1. This **AMENDMENT NO. 01** shall be at no additional cost to the **DISTRICT**.
2. Exhibit "A" to the agreement is hereby deleted and replaced with the attached Exhibit "A-1", which is attached hereto and made a part of this Amendment No. 01.
3. All other terms and conditions of the **AGREEMENT** remain unchanged.

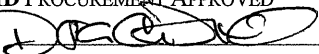



SOUTH FLORIDA WATER MANAGEMENT DISTRICT AMENDMENT

IN WITNESS WHEREOF, the Parties or their duly authorized representatives hereby execute this **AMENDMENT NO. 01** on the date first written above.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

By: 
Dorothy A. Bradshaw, Director
Administrative Services Division

SFWMD PROCUREMENT APPROVED
BY: 
DATE: 5-19-17 

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

By: _____
Paulette Burdick, Mayor

ATTEST:
SHARON R. BOCK
CLERK & COMPTROLLER

APPROVED AS TO TERMS AND CONDITIONS:
By: 
Eric Call, Director Parks & Recreation Department

By: _____
Deputy Clerk

APPROVED AS TO FORM & LEGAL SUFFICIENCY:

By: _____
County Attorney

EXHIBIT A-1

DUBOIS PARK SHORELINE STABILIZATION AND ENVIRONMENTAL ENHANCEMENT PROJECT

1.0 INTRODUCTION

DuBois Park is a 29.52 acre beach park located on the south side of Jupiter Inlet in northern Palm Beach County. In 2011, the County completed a \$4.3 million restoration/construction project at DuBois Park. Project elements included 17 new day use docks, a water taxi landing and water taxi shelter, construction of a one acre snorkeling/artificial reef, new pathways, landscaping and picnic facilities. Additional amenities at DuBois Park include the historic DuBois Pioneer Home, playground facilities, a group picnic pavilion, guarded tidal creek, volleyball and walking paths. The snorkeling lagoon and tidal creek are among the one of most popular swimming areas in Palm Beach County.

Over the years the DuBois family armored the shoreline along the south side of the Jupiter Inlet with concrete to prevent erosion. The DuBois and Rinker families were friends and concrete leftover from Mr. Rinker's jobs was often used to stabilize the shoreline. During the construction of the snorkeling lagoon, the concrete tailings were removed from the shoreline, as they created a rough and uneven surface and obstructed park patron's access to the water. The snorkeling lagoon was constructed using over 30,000 tons of limestone boulders to create a sheltered environment for swimming and habitat creation. The project was completed in October 2011, and in November 2011 a Northeaster' hit the Jupiter area, severely eroding the shoreline, damaging trees, and threatening the lifeguard tower and the existing pathway. The County immediately retrofitted the shoreline with boulders and backfilled this area to prevent further damage, leaving several openings to serve as pathways into the lagoon.

The western end of the snorkeling lagoon is still experiencing erosion and shoaling issues. This project proposes to construct a 10' wide, 70' long concrete ramp which will provide heavy equipment access into the lagoon at low tide. The Parks and Recreation Department's Maintenance Division will use the ramp to perform regularly scheduled dredging to remove the shoaling in this area. The ramp will be stabilized using 103 tons of 2' – 3' diameter limestone boulders. This project will directly improve water quality in the Indian River Lagoon by reducing the amount of sediment entering the water column. This is considered a maintenance project with no environmental impacts, and therefore environmental permits are not required.

The second portion of the project involves planting \$10,000 in native vegetation along the proposed pathway just east of the DuBois/Jupiter Beach pedestrian bridge. This new vegetation will help stabilize this area during storm events, provide habitat for native wildlife, and will also provide much needed shade for park patrons. The vegetation will provide roosting and foraging areas for heron and egrets which are frequently visitors to this area of the Indian River Lagoon.

The third and last portion of the project involves stabilizing the eastern shoreline of the guarded tidal creek. In 2015, the County was awarded a \$60,000 Indian River Lagoon License Plate Grant for improvements at Jupiter Beach Park. The grant funding and match were used to make improvements along the eastern shore of the tidal creek. The project included removal of Austrian pines and replanting the area with native vegetation, construction of a dry retention area to capture sheet flow from the road and parking area into the tidal creek, construction of additional parking, picnic facilities and stabilization of a small portion of the shoreline within the southern section of the project boundaries.

EXHIBIT A-1

The removal of the Austrian Pines has had the unintended consequence of creating a steep ungraded shoreline, and shoreline erosion has become a constant problem. The erosion is not the result of sheet flow from the parking lot, but by the heavy rains that occurred during the summer and fall of 2015. This portion of the project involves construction of a tiered system using stacked 6" x 6" timbers, tied together with hurricane straps and anchored into the ground with steel rods to create a stabilized shoreline, similar to the configuration on the west side of the tidal creek. Two tiers of timbers located 15' apart will be installed along 100 feet of the tidal lagoon.

2.0 BENEFITS TO THE INDIAN RIVER LAGOON

This project is expected to benefit the Indian River Lagoon primarily by improving water quality. The construction of a maintenance ramp will allow frequent removal of sand from the snorkeling lagoon, thereby reducing sediment flow into the Indian River Lagoon. The snorkeling lagoon is home to hundreds of species of tropical fish and the reduction of turbidity in the water column will benefit marine life. Juvenile fishes, sea grasses, and mangroves are among the many plants and animals that will also benefit from the environmental enhancement of this project. Installation of the native landscaping will stabilize a portion of the Park and create habitat for native wildlife and provide shade for park patrons. Stabilization of the eastern shoreline of the tidal creek will prevent further erosion and sediment flow into the tidal creek and then into the Indian River Lagoon on outgoing tides.

3.0 PROJECT LOCATION

The proposed project has elements in DuBois Park, 19075 Dubois Road, Jupiter, FL 33477 and Jupiter Beach Park, 1375 Jupiter Beach Road, Jupiter, FL 33477. The proposed maintenance ramp is located in the western end of the snorkeling lagoon at DuBois Park and installation of native vegetation and stabilization of the tidal creek are located within Jupiter Beach Park. The proposed project is adjacent to the Jupiter Sound region of the Jensen Beach to Jupiter Inlet Aquatic Preserve. The seagrass beds in this region are of the highest quality in Palm Beach County, thus the high ecological ranking and protection. Please see attached map.

4.0 SCOPE OF WORK

The construction of the 10' wide, 70' long maintenance ramp project includes the installation of 103 tons of limestone rip rap and 1,400 square yards of concrete.

The project includes installation of native vegetation along the south side of the proposed walkway on a 3,200 square feet area in order to stabilize the area during storm events with the added benefit of creating shade and habitat.

The eastern shoreline of the tidal creek will be stabilized using stacked 6" x 6" timbers, tied together with hurricane straps and anchored into the ground with steel rods. Two tiers will be created 15' apart, thereby stabilizing 100 linear feet of shoreline.

The site qualifies as public conservation land as DuBois Park is listed on page B-44 and Jupiter Beach Park is listed on page B-79 of the Florida Conservation Lands 2001 document prepared by the Florida Natural Areas Inventory (FNAI).

This project will be completed by annual contractors under the direct supervision of the Palm Beach County Parks and Recreation Department.

5.0 WORK BREAKDOWN STRUCTURE

All work will be performed by a contractor, who will be responsible for providing all labor, equipment, and materials. Every effort will be made by the contractor to avoid damage to native

EXHIBIT A-1

vegetation and wildlife. This work will be strictly monitored by the Palm Beach County Parks and Recreation Department's Construction Project Specialist to ensure that no collateral damage is inflicted in this ecologically sensitive area.

6.0 PROJECT COST BREAKDOWN AND TASK / DELIVERABLE SCHEDULE

TASK	DELIVERABLES (quarterly and final reports)	SCHEDULE (time from contract execution)	SFWMD	County Match
Construction of concrete ramp	Photos of completed ramp	6 months	\$100,000	\$10,000
Installation of native vegetation	Vegetation planting plan, list of species and photos of completed installation	4 months		
100 L.F. shoreline stabilization	Photos of completed shoreline stabilization	6 months		
Construction oversight, landscape architect, CADD technician, grant management and fiscal reporting	Grant commencement documents, status reports, closeout documentation and reimbursement documentation	Quarterly status reports, commencement documentation during the first month, and closeout documentation at completion of the project (Months 1-8)	N/A	\$23,333

Work is expected to begin in the fall of 2016, and take approximately 5 months to complete.

OTHER REQUIREMENTS AND PROVISIONS

Endangered/Threatened Species (Listed)

Extreme care will be taken to avoid impacting the plants and animals (both listed and non-listed) associated with the adjacent mangrove system and the submerged habitat (seagrasses). This will be accomplished through sound methodology and strict monitoring/supervision.

Restricted and Sensitive Areas

Due to the sensitive nature of the adjacent wetlands (Aquatic Preserve, Class II Waters), extreme care will be taken to avoid negative impacts. Silt fencing will be deployed landward of the adjacent aquatic preserve to delineate the restricted/sensitive area, so that no removal work causes turbidity levels to rise.

Equipment Use Restrictions

Construction staging for the mechanical excavation will be from the shore with a front end loader. All work (and associated mechanical equipment) will be restricted to the targeted restoration area.

Educational Signs

Educational signs will be installed upon the completion of the project.