



**II. FISCAL IMPACT ANALYSIS**

**A. Five Year Summary of Fiscal Impact:**

Fiscal Years	2016	2017	2018	2019	2020
Capital Expenditures	_____	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
<b>NET FISCAL IMPACT</b>	_____	_____	_____	_____	_____
<b># ADDITIONAL FTE POSITIONS (Cumulative)</b>	_____	_____	_____	_____	_____

Is Item Included in Current Budget? Yes \_\_\_\_\_ No X  
 Budget Account No.: Fund \_\_\_\_\_ Department \_\_\_\_\_ Unit \_\_\_\_\_ Object \_\_\_\_\_  
 Program \_\_\_\_\_

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

There is no fiscal impact until State funding is appropriated and a project agreement is executed. Potential fiscal impact to the County is \$6,343,214 over approximately three years. The Municipal, State, and Federal share of each project's costs would be allocated to the County on a reimbursement basis. If State funds were to be appropriated for the projects and County funding is found to be insufficient to match the State-funded project, other funding sources could be considered, such as short-term borrowing, securing bonds, or delaying the design and construction of other projects already funded. Existing interlocal agreements with the City of Riviera Beach (R2014-1832) and Town of South Palm Beach (R2007-0796) will provide 20% cost sharing for the Singer Island Shore Protection and Southern Palm Beach Island Comprehensive Shoreline Stabilization Projects.

**C. Department Fiscal Review:**

**III. REVIEW COMMENTS**

**A. OFMB Fiscal and /or Contract Administrator Comments:**

[Signature] 7/28/16  
 OFMB 7/26/16  
 JBT/125

[Signature] 8/2/16  
 Contract Administrator

**B. Legal Sufficiency:**

[Signature] 8/19/16  
 Assistant County Attorney

**C. Other Department Review:**

\_\_\_\_\_  
 Department Director

RESOLUTION NO. 2016-\_\_\_\_\_

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**A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, REQUESTING THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION TO SUPPORT APPROPRIATION OF FUNDS WITHIN THE BEACH MANAGEMENT FUNDING ASSISTANCE PROGRAM FOR FISCAL YEAR 2017-18.**

WHEREAS, the Board of County Commissioners of Palm Beach County, Florida, is committed to a program of coastal restoration and preservation; and

WHEREAS, Palm Beach County wishes to effectively address beach erosion by construction of shore protection projects and restoration of its dunes; and

WHEREAS, Palm Beach County has a need to perform engineering design, environmental studies and monitoring of shore protection projects; and

WHEREAS, Palm Beach County has developed and funded a Shore Protection Program to act as the local sponsor for coastal projects; and

WHEREAS, the projects listed below are consistent with the coastal element of the Palm Beach County's Comprehensive Plan; and

WHEREAS, Palm Beach County has the ability and intention of providing the local cost share of eligible coastal projects using a combination of tourist development taxes, interest and reserve funds; and

WHEREAS, the Beach Management Funding Assistance Program is preparing their Beach Erosion Control Long-Range Budget Plan to develop the Fiscal Year 2017-18 prioritized list of beach erosion control projects; and

WHEREAS, the public work projects listed below are eligible within the State of Florida's Beach Erosion Control Assistance Program under the provisions of Section 161.101, Florida Statutes

WHEREAS, The County is requesting that the State appropriate \$825,000 for the Coral Cove Park Dune Restoration, \$160,000 for the Jupiter/Carlin Shore Protection Project, \$150,000 for the Juno Beach Shore Protection Project, \$100,000 for the South Jupiter Beach Feasibility Study, \$599,175 for the Singer Island Shore Protection Project, \$6,487,648 for the Southern Palm Beach Island Comprehensive Shore Stabilization Project, \$90,000 for the

1 South Lake Worth Inlet Management Plan, and \$100,000 for the Ocean Ridge Shore  
2 Protection Project.

3 NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY  
4 COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, THAT:

5 Section 1: The foregoing recitals are hereby adopted and ratified

6 Section 2: The Board of County Commissioners hereby authorizes support for the  
7 request for State appropriation of funds.

8  
9 The foregoing Resolution was offered by Commissioner \_\_\_\_\_, who  
10 moved its adoption. The motion was seconded by Commissioner \_\_\_\_\_,  
11 and upon being put to a vote, the vote was as follows:

- 12 District 5 COMMISSIONER Mary Lou Berger, Mayor \_\_\_\_\_
- 13 District 1 COMMISSIONER Hal R. Valeche, Vice Mayor \_\_\_\_\_
- 14 District 2 COMMISSIONER Paulette Burdick \_\_\_\_\_
- 15 District 3 COMMISSIONER Shelley Vana \_\_\_\_\_
- 16 District 4 COMMISSIONER Steven L. Abrams \_\_\_\_\_
- 17 District 6 COMMISSIONER Melissa McKinlay \_\_\_\_\_
- 18 District 7 COMMISSIONER Pricilla A. Taylor \_\_\_\_\_

19 The Mayor thereupon declared the Resolution duly passed and adopted this \_\_\_\_\_ day of  
20 \_\_\_\_\_, 20\_\_.

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22 APPROVED AS TO FORM AND  
23 LEGAL SUFFICIENCY

**PALM BEACH COUNTY, FLORIDA BY ITS  
BOARD OF COUNTY COMMISSIONERS**

**Sharon R. Bock, Clerk & Comptroller**

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By \_\_\_\_\_  
Assistant County Attorney

By \_\_\_\_\_  
Deputy Clerk

## ATTACHMENT 2

### FY 2017/18 Local Government Funding Request Beach and Inlet Management Project Application Supplement

**Project Name:** Coral Cove Park Dune Restoration

**Project Description:**

Shoreline protection for approximately 1 mile of critically eroded beach north of the Jupiter Inlet in Palm Beach County (R1-R8). Dune restoration efforts have been ongoing since 1993 to stabilize this high use area and public infrastructure. Following the effects of the 2004 hurricane season, emergency protective dunes were constructed and subsequently planted in 2005 using funds from FEMA. A small-scale dune repair and planting project occurred during the winter 2012/2013 following Hurricane Sandy. A more robust dune restoration project was constructed during the winter 2013/2014 construction season placing 35,200 C.Y. of beach compatible sand. The project is necessary to maintain sea turtle nesting habitat and to provide storm protection to upland structures.

**Use of Requested Program Funds:**

Funds requested for FY 2017-18 will be used to reimburse eligible expenses incurred during the planning, design, construction and monitoring of the 2013/2014 dune restoration and dune maintenance anticipated for winter 2017. Eligible aerial surveys and regional (profiles and hydrographic) monitoring will also be reimbursed. Due to the importance of this beach as sea turtle nesting habitat, three years of post-construction surveys will be required to document sea turtle and shorebird activity on this beach. Requested funding for FY 2017-18 will also be also to conduct this anticipated permit required monitoring .

**Local Government Contact:**

<b>Name</b>	<b>Title</b>	<b>Email</b>
Reubin Bishop	Sr. Environmental Analyst	<a href="mailto:rbishop@pbcgov.org">rbishop@pbcgov.org</a>
<b>Address:</b>	2300 N. Jog Rd, 4 <sup>th</sup> Fl	<b>Phone:</b> 561-233-2419
	West Palm Beach, FL 33411	<b>Fax:</b> 561-233-2414

**Schedule and Budget:**

(Include estimated phases for 10 years and estimated project costs for 5 years.)

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
2017/ 2018	Construction	2013/14 dune maintenance reimbursement	\$800,000	\$0	\$400,000	\$400,000
	Construction	maintenance of dune	\$850,000	\$0	\$425,000	\$425,000
2018/ 2019	Monitoring	post construction physical, reef, sea turtle, shorebird	\$50,000	\$0	\$25,000	\$25,000

2019/ 2020	Monitoring	post construction physical, aerials	\$10,000	\$0	\$5,000	\$5,000
2020/ 2021	Monitoring	post construction physical, aerials	\$10,000	\$0	\$5,000	\$5,000
2021/ 2022	Construction	maintenance of dune	\$850,000	\$0	\$425,000	\$425,000
2022/ 2023	Monitoring	post construction physical, reef, sea turtle, shorebird				
2023/ 2024	Monitoring	post construction physical, aerials				
2024/ 2025	Monitoring	post construction physical, aerials				
2025/ 2026	Construction	maintenance of dune				
2026/ 2027	Monitoring	post construction physical, reef, sea turtle, shorebird				

**Local Sponsor Financial and Administrative Commitment**

The project is part of the County's 5-Year Comprehensive financial plan available at:  
<http://www.pbcgov.com/ofmb/budget/capital/2016/>

The project is also included in the County's 30-year Shore Protection Plan revised in 2014,  
available at:  
<http://www.pbcgov.com/erm/coastal/shoreline/>

A Resolution is scheduled for Board of County Commissioners approval on August 16, 2016.  
The signed Resolution will be provided under separate cover once approved.

**Eligibility: Public Beach Access Points and Public Lodging Establishments:**

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (feet)	DBPR License
Coral Cove Park	R3.5-R7.5	Primary	3,000'	135	1500'	4500'	N/A
Total			3,000'	135	1500'	4500'	

**FY 2017/18 Local Government Funding Request  
Beach and Inlet Management Project  
Application Supplement**

**Project Name:** Jupiter/Carlin Shore Protection Project

**Project Description:**

Shoreline protection for 1.08 miles of beach adjacent to the Jupiter Inlet in Palm Beach County (R13.5 - R19). The beach was first nourished in 1995 and re-nourished in 2002. A primary dune was reestablished and maintained along the project area through multiple dune restoration efforts between 2002 and 2013. The most recent dune restoration project was completed on this beach in January of 2013 under the EFO issued by the Department in response to Hurricane Sandy. This project, consisting of nearly 7,400 tons of sand, was necessary to maintain sea turtle nesting habitat and protection of upland structures on this eroded beach.

A second re-nourishment was completed in April 2015 which consisted of a collaboration of 3 separate projects between Palm Beach County, U.S. Army Corps of Engineers (USACE) and Jupiter Inlet District (JID). A truck haul project conducted by Palm Beach County placed 282,000 c.y. of beach compatible sand from an upland sand source. The USACE pumped another 140,000 c.y. from an offshore borrow area as part of a Flood Control and Coastal Emergency Shore Protection Project. Finally, the JID pumped 45,300 c.y. of sand from the inlet sand trap. In 2016, JID pumped another 62,000 c.y. from the inlet sand trap onto the berm between R13-and R-15.

**Use of Requested Program Funds:**

Funds for FY 2017-18 are requested to reimburse for planning, engineering, design, and preconstruction monitoring for the next renourishment anticipated for winter 2018. The proposed borrow area is the same site currently being evaluated for the Juno Beach re-nourishment. A JCP application which incorporates both the Jupiter/Carlin and Juno Beach projects is expected to be submitted for agency action in August 2016.

**Local Government Contact:**

<u>Name</u>	<u>Title</u>	<u>Email</u>
Tracy Logue	Coastal Geologist	Tlogue@pbcgov.org
<b>Address 1:</b>	2300 N. Jog Rd, 4 <sup>th</sup> Fl	<b>Phone:</b> 561-233-2941
	West Palm Beach, FL 33411	<b>Fax:</b> 561-233-2414

**Schedule and Budget:**

(Include estimated phases for 10 years and estimated project costs for 5 years.)

<u>Year</u>	<u>Proposed Method</u>	<u>Description</u>	<u>Total Estimated Cost</u>	<u>Federal Cost Share</u>	<u>State Cost Share</u>	<u>Local Cost Share</u>
2017/ 2018	Monitoring	pre construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000

	PED	sand search, permitting	\$120,000	\$0	\$60,000	\$60,000
2018/ 2019	Construction	Dredge and Fill	\$14,400,000	\$0	\$7,200,000	\$7,200,000
2019/ 2020	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
2020/ 2021	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
2021/ 2022	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
2022/ 2023	Monitoring	post construction physical, reef, sea turtle, shorebird				
2023/ 2024	Monitoring	post construction physical, reef, sea turtle, shorebird				
2024/ 2025	Monitoring	post construction physical, reef, sea turtle, shorebird				
2025/ 2026	Monitoring	pre construction physical, reef, sea turtle, shorebird				
	PED	Sand search, permitting				
2026/ 2027	Construction	Dredge and Fill				

**Local Sponsor Financial and Administrative Commitment**

The project is part of the County's 5-Year Comprehensive financial plan available at:  
<http://www.pbcgov.com/ofmb/budget/capital/2016/>

The project is also included in the County's 30-year Shore Protection Plan revised in 2014,  
available at:  
<http://www.pbcgov.com/erm/coastal/shoreline/>

A Resolution is scheduled for Board of County Commissioners approval on August 16, 2016.  
The signed Resolution will be provided under separate cover once approved.



**Eligibility: Public Beach Access Points and Public Lodging Establishments:**

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (feet)	DBPR License
Jupiter Beach Park	R12.5- R14.5	Primary	1736'	169	1667'	3403'	N/A
Jupiter Beach Resort	R16.5- R16.8	Primary	415'	159	0'	415'	<a href="https://www.myfloridalicense.com/LicenseDetail.asp?SID=&amp;id=6281A809D352BF4BC9DC57FB37B24F55">https://www.myfloridalicense.com/LicenseDetail.asp?SID=&amp;id=6281A809D352BF4BC9DC57FB37B24F55</a>
Carlin Park	R16.8- R19.8	Primary	1250'	532	2000'	3250'	N/A
<b>Total</b>			3401'	860	3667'	7068'	

**FY 2017/18 Local Government Funding Request  
Beach Management Projects**

**Project Name:** South Jupiter Beach Shore Protection Project

**Project Description:**

The proposed feasibility study would evaluate various shoreline protection alternatives along 1.45 miles of critically eroded beach in Palm Beach County (R19-R26 (fill area) location map attached). This section of beach is located south of the Jupiter Inlet between the Jupiter/Carlin Shore Protection Project and the Juno Shore Protection Project.

The proposed project area has no history of beach nourishment. In 2016, a dune restoration was conducted placing 4,300 tons of sand to provide additional storm protection to S.R. A1A and existing dune crossovers.

Should the results of the feasibility study support a nourishment along this section, Palm Beach County would look to conduct a comprehensive project that would incorporate the Jupiter/Carlin, South Jupiter, and Juno projects into a single fill event to reduce projects costs and increase project performance.

**Use of Requested Program Funds:**

Funds requested for FY2017/2018 are to be utilized for a feasibility study to look at shore protection alternatives and potential impacts. The study would also assess how the various alternatives would increase project performance of the Jupiter/Carlin Shore Protection Project and the Juno Shore Protection Project.

**Local Government Contact:**

<b>Name</b>	<b>Title</b>	<b>Email</b>
Andy Studt	Sr. Environmental Analyst	astudt@pbcgov.org
<b>Address:</b>	2300 N. Jog Rd, 4 <sup>th</sup> Fl	<b>Phone:</b> 561-233-2419
	West Palm Beach, FL 33411	<b>Fax:</b> 561-233-2414

**Mapping- Maps should be provided as attachments:**

Project map attached.

**Length of Project Boundary in Feet:**

7,665'

**Eligibility: Public Beach Access Points and Public Lodging Establishments:**

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (feet)	DBPR License
Carlin Park	R16.8- R19.8	Primary	0'	532	2,330'	2,330'	N/A
Jupiter Reef Club	R21	Primary	600'	31 units	0'	600'	<a href="https://www.myfloridalicense.com/LicenseDetail.asp?SID=&amp;id=AC5953E54850417641C914800F2A40A1">https://www.myfloridalicense.com/LicenseDetail.asp?SID=&amp;id=AC5953E54850417641C914800F2A40A1</a>
Ocean Boulevard Access	R21.25 -R23.75	Secondary	2,457'	133	0'	2,457'	N/A
Karen Marcus Ocean Preserve	R23.75- R26	Secondary	2,278'	84	0'	2,278'	N/A
Total			5,335'	780	2,330'	7,665'	

**Schedule and Budget:**

Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
2017/2018	Feasibility	Feasibility Study	\$200,000	\$0	\$100,000	\$100,000
2018/2019	PED	Design, Engineering, Permitting	\$100,000		\$50,000	\$50,000
	Construction	Dredge and Fill	\$5,400,000	\$0	\$2,700,000	\$2,700,000
2019/2020	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
2020/2021	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
2021/2022	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
2022/2023	Monitoring	post construction physical, reef, sea turtle, shorebird				
2023/2024	Monitoring	post construction physical, reef, sea turtle, shorebird				
2024/2025	Monitoring	post construction physical, reef, sea turtle, shorebird				
2025/2026	Monitoring	pre construction physical, reef, sea turtle, shorebird				
2026/2027	PED	Sand search, permitting				

**Severity of erosion:** Criterion will be calculated by the Department.

The entire project area is designated as critically eroded by the Department of Environmental Protection.

**Threat to Upland Structures:** Criterion will be calculated by the Department. Additional information may be provided for consideration.

In February 2015, erosion associated with a swell event eroded sections dune throughout the proposed project area reducing storm protection for S.R. A1A (a designated hurricane evacuation route) and damaging or destroying multiple crossovers. The Jupiter Reef Club is an armored property and contains the only habitable structures within the project area.

**Recreational and Economic Benefit:** The percentage of linear footage of properties within the project boundaries zoned commercial, recreational, or Public Lodging Establishment (hotel, motel or vacation rental condo) in the current local government land use map

100% of the project area is zoned Recreational in the Town of Jupiter FLUM.

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**Availability of Federal Funds:**

Is the project Federally authorized by WRDA?	No
Provide date of authorization expiration.	N/A
Does this project phase have a Federal Project Cooperative Agreement, or similar for the current phase? Provide a copy of the document.	N/A
Federal cost share percentage available for this project:	N/A
Is this project funded through FEMA for storm repairs?	N/A
Provide a copy of the signed Project Worksheet.	

**Local Sponsor Financial and Administrative Commitment:**

Is funding for the project in the local sponsor's 10-year comprehensive financial plan? Please provide copy or web link to the plan.	Yes
--	-----

Is funding provided through a source established by referendum? Please provide a copy or web link to the referendum.	Yes
--	-----

Chapter 17 of the Palm Beach County Code defines the tourist development plan (Ord. No. 95-30, § 7, 8-15-95), which identifies specific projects/special uses of tourist development tax revenue in accordance with Florida Statutes, § 125.0104(5). This chapter further specifies how the tax revenues shall be allocated to each category of use. A percentage of the 2<sup>nd</sup>, 3<sup>rd</sup> and 6<sup>th</sup> cent collected shall be use to fund *Category C*: "Provide for beach improvement, maintenance, renourishment, restoration, and erosion control with an emphasis on dune restoration where possible."

<http://www.pbcgov.com/touristdevelopment/ordinances.htm>

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Is funding provided by a third party? **No**  
 What is the percentage of total project costs provide by the third party? **N/A**  
 Please provide a copy of the cost sharing agreement.

Quarterly Report Compliance: **N/A**

FY2015-16	End Date	Report Remitted	Compliant (yes/no)
Qtr 1 (Sept)	10/31/2015		
Qtr 2 (Dec)	01/31/2016		
Qtr 3 (Mar)	04/30/2016		
Qtr4 (June)	7/31/2016		

Are there active federal and state permits for the project? **No**  
 Federal permit #: N/A Expiration date: \_\_\_\_\_  
 State permit #: No Expiration date: \_\_\_\_\_

Have local funds been secured for the project? **Yes**  
 Explain:

The project is part of the County's 5-Year Comprehensive financial plan available at:  
<http://www.pbcgov.com/ofmb/budget/capital/2016/>

In order to acquire state funding, a resolution from the local sponsor must be provided by the application deadline which declares:

A Resolution is scheduled for Board of County Commissioners approval on August 16, 2016.  
 The signed Resolution will be provided under separate cover once approved.

**Previous State Commitment:**

Has the Department previously cost shared, reviewed, and approved a feasibility or design phase for this project? **No**

Previous State Cost Share percentage **N/A**

Will this project enhance or increase the longevity of a previously-constructed project? How?

It is widely accepted that longer contiguous beach nourishments perform better. Therefore it is anticipated this project would increase the longevity of both the Jupiter/Carlin Shore Protection Project and the Juno Shore Protection Project. The proposed feasibility study would look at how various design templates would improve the project performance of these adjacent projects.

Will this project nourish a previously restored shoreline? (Full beach nourishment. Dune-only projects do not qualify.) **No**

**Project Performance:**

Nourishment Interval (Years): **N/A**

**Mitigation of Inlet Effects:**

The Jupiter Inlet Management Plan (adopted 9-5-97) states an annual bypass objective of 96,500 cubic yards to offset inlet impacts on downdrift beaches. Since 2003, the Jupiter Inlet District has bypassed an average of 60,000 cy annually from the Inlet sand trap. FIND also performs periodic maintenance dredging of the ICW and interior shoals.

**Use of Innovative Applications of existing technologies:**

Does the project address erosion in a method that is economically competitive with nourishment, that will not adversely affect the conservation of fish and wildlife, including endangered or threatened species, or their habitats, and that is designed to demonstrate an innovative application of existing technologies? N/A

Has the project been documented to be effective and demonstrated technologies previously untried in the state? N/A

**Regionalization:**

Is this project being planned or constructed in cooperation with another local government to reduce contracting costs? Explain and attach a signed copy of the interlocal agreement between the two local sponsors.

The project is being proposed in cooperation with the Town of Jupiter. An interlocal agreement is currently in development for future municipal participation.

**Significance:**

What is the volume of advanced nourishment lost since the last sand placement event of a beach restoration or nourishment project as measured landward of the Mean High Water Line? (Information should be consistent with annual post-construction monitoring report.)

N/A

Has the project eroded into the design template?  
If so, please list those R-monuments.

N/A

What is the proposed placement volume?

N/A



# South Jupiter Beach Shore Protection Project





**FY 2017/18 Local Government Funding Request  
Beach and Inlet Management Project  
Application Supplement**

**Project Name:** Juno Beach Shore Protection Project

**Project Description:**

Re-nourishment of approximately 2.4 miles of critically eroding shoreline beginning 2.2 miles downdrift of Jupiter Inlet (R-26 - R-38). The original project was completed in 2001 and subsequently impacted by the hurricanes of 2004, 2005 and by T.S. Fay in 2008. The first re-nourishment of this beach was completed in March 2010.

Planning, engineering and design for a second re-nourishment is nearing completion and a JCP application is anticipated to be submitted for agency action in August 2016. Investigations of a proposed borrow area, approximately 2 miles north-east of Jupiter Inlet, are nearly complete. The cultural resource survey, sub-bottom survey and vibracores are complete and approximately 5.1M c.y. of beach compatible material has been identified within the proposed borrow area. Construction is anticipated to begin in winter 2017.

**Use of Requested Program Funds:**

A significant portion of PED costs are currently cost-shared in DEP Funding Agreement 16PB1. Funds requested for FY2017/18 will be used for the efforts associated with a USACE Limited Re-evaluation Report (LRR) seeking federal participation in the project, thereby reducing State and Local costs. FY17/18 funding would also be used for permit required pre-construction monitoring.

**Local Government Contact:**

<b>Name</b>	<b>Title</b>	<b>Email</b>
Andy Studt	Sr. Environmental Analyst	<a href="mailto:astudt@pbcgov.org">astudt@pbcgov.org</a>
<b>Address 1:</b>	2300 N. Jog Rd, 4 <sup>th</sup> Fl	<b>Phone:</b> 561-233-2419
	West Palm Beach, FL 33411	<b>Fax:</b> 561-233-2414

**Schedule and Budget:**

(Include estimated phases for 10 years and estimated project costs for 5 years.)

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
2017/ 2018	PED	LRR	\$100,000	\$50,000	\$25,000	\$25,000
	Monitoring	pre construction physical, reef, sea turtle, shorebird	\$250,000	\$0	\$125,000	\$125,000
2018/ 2019	Construction	dredge and fill	\$14,400,000	\$0	\$7,200,000	\$7,200,000
2019/ 2020	Monitoring	post construction physical, reef, sea turtle, shorebird	\$500,000	\$0	\$250,000	\$250,000



2020/ 2021	Monitoring	post construction physical, reef, sea turtle, shorebird	\$500,000	\$0	\$250,000	\$250,000
2021/ 2022	Monitoring	post construction physical, reef, sea turtle, shorebird	\$500,000	\$0	\$250,000	\$250,000
2022/ 2023	Monitoring	post construction physical, reef, sea turtle, shorebird				
2023/ 2024	Monitoring	post construction physical, reef, sea turtle, shorebird				
2024/ 2025	Monitoring	post construction physical, reef, sea turtle, shorebird				
2025/ 2026	Monitoring	pre construction physical, reef, sea turtle, shorebird				
	PED	permitting, contracting				
2026/ 2027	Construction	dredge and fill				

**Local Sponsor Financial and Administrative Commitment**

The project is part of the County's 5-Year Comprehensive financial plan available at:  
<http://www.pbcgov.com/ofmb/budget/capital/2016/>

The project is also included in the County's 30-year Shore Protection Plan revised in 2014,  
available at:  
<http://www.pbcgov.com/erm/coastal/shoreline/>

A Resolution is scheduled for Board of County Commissioners approval on August 16, 2016.  
The signed Resolution will be provided under separate cover once approved.

**Eligibility: Public Beach Access Points and Public Lodging Establishments:**

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (feet)	DBPR License
Double Roads access	R28	Secondary	1,500'	106	0'	1,500'	N/A
Ocean Cay/Juno Beach parks	R31	Primary	1,355'	538	5,280'	6,635'	N/A
Loggerhead Beach Park	R34	Primary	1,350'	218	2,640'	3,990'	N/A
Mercury Road access	R38+415'	Secondary	0	97	693'	693'	N/A
Total			4,205'	959	8,613'	12,818'	

**FY 2017/18 Local Government Funding Request  
Beach and Inlet Management Project  
Application Supplement**

**Project Name:** Singer Island Shore Protection Project

**Project Description:**

The Singer Island Shore Protection Project consists of design, permitting, construction, and monitoring associated with the restoration of 1.31 miles of dunes on Singer Island (R-60.5 to R-67) in Palm Beach County. In 2012 Palm Beach County abandoned efforts to secure a permit for breakwaters as an erosion control alternative due to permitting constraints at the State and Federal levels. In response, many properties along the project area have constructed seawalls to protect the upland infrastructure from storms. In an effort to maintain recreational beach and stabilize sea turtle nesting habitat, the County has conducted 3 dune restorations since 2012, placing over 141,000 tons of sand from an upland sand source into the restored dune.

**Use of Requested Program Funds:**

The requested funding for FY 2017/18 will be used to construct/maintain the restored dune along the length of the project.

**Local Government Contact:**

<b>Name</b>	<b>Title</b>	<b>Email</b>
Andy Studt	Sr. Environmental Analyst	astudt@pbcgov.org
<b>Address:</b>	2300 N. Jog Rd, 4 <sup>th</sup> Fl	<b>Phone:</b> 561-233-2539
	West Palm Beach, FL 33411	<b>Fax:</b> 561-233-2414

**Schedule and Budget:**

(Include estimated phases for 10 years and estimated project costs for 5 years.)

<b>Year</b>	<b>Proposed Phase</b>	<b>Description</b>	<b>Total Estimated Cost</b>	<b>Federal Cost Share</b>	<b>State Cost Share</b>	<b>Local Cost Share</b>
2017/ 2018	Dune fill	maintenance of dune	\$1,500,000	\$0	\$599,175	\$900,825
2018/ 2019	Monitoring	post construction scarp/sea turtle	\$120,000	\$0	\$47,934	\$72,066
2019/ 2020	Dune fill	maintenance of dune	\$1,500,000	\$0	\$750,000	\$750,000
2020/ 2021	Monitoring	post construction scarp/sea turtle	\$120,000	\$0	\$47,934	\$72,066
2021/ 2022	Dune fill	maintenance of dune	\$1,500,000	\$0	\$750,000	\$750,000
2022/ 2023	Monitoring	post construction scarp/sea turtle				
2023/ 2024	Dune fill	maintenance of dune				
2024/ 2025	Monitoring	post construction scarp/sea turtle				

2025/ 2026	Dune fill	maintenance of dune				
2026/ 2027	Monitoring	post construction scarp/sea turtle				

**Local Sponsor Financial and Administrative Commitment:**

The project is part of the County's 5-Year Comprehensive financial plan available at:  
<http://www.pbcgov.com/ofmb/budget/capital/2016/>

The project is also included in the County's 30-year Shore Protection Plan revised in 2014,  
available at:  
<http://www.pbcgov.com/erm/coastal/shoreline/>

A Resolution is scheduled for Board of County Commissioners approval on August 16, 2016.  
The signed Resolution will be provided under separate cover once approved.

**Eligibility: Public Beach Access Points and Public Lodging Establishments:**

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (feet)	DBPR License
MacArthur Beach State Park	52-61	Primary	Adjacent to project	500+	2,640'	2,640'	N/A
Ocean Reef Park	67-68	Primary	Adjacent to project	243	2,640'	2,640'	N/A
<b>Total</b>				<b>743+</b>	<b>5,280'</b>	<b>5,280'</b>	

**FY 2017/18 Local Government Funding Request  
Beach and Inlet Management Project  
Application Supplement**

**Project Name:** Southern Palm Beach Island Comprehensive Shoreline Stabilization Project

**Project Description:**

Management of approximately 0.8 miles of critically eroding shoreline along the town of South Palm Beach, the public beach in Lantana, and the beach in front of the Eau de Palm Beach in Manalapan (Palm Beach County, R-134 - R-138.5) utilizing 7 low-profile, semi-permeable groins with 85,000 c.y. of beach fill.

The project area is encompassed by the larger Palm Beach Island Beach Management Agreement (Lake Worth Inlet to South Lake Worth Inlet) and this project is listed as a "potential future project." Several alternatives have been explored for the restoration and maintenance of this shoreline. The USACE Final Environmental Impact Statement (FEIS) was published June 17, 2106. A Joint Coastal Permit application for the preferred alternative identified in the FEIS was submitted in June 2015 and Request for Additional Information (RAI) No. 1 was received in July 2015. A response to RAI No. 1 was submitted on July 15, 2016.

The most recent dune restoration project for this project area occurred in January of 2009. The entirety of the project area is fortified with seawalls, however there is little to no recreational or nesting beach available for much of the year.

**Use of Requested Program Funds:**

Funds requested for FY 2017-18 will be used to reimburse project design and permitting (including the EIS) and for project construction. Pre-construction monitoring, aerial surveys and regional (profiles and hydrographic) monitoring for this area will also be funded.

**Local Government Contact:**

Name	Title	Email
Kimberly Miranda	Sr. Env. Analyst	<a href="mailto:kmiranda@pbcgov.org">kmiranda@pbcgov.org</a>
<b>Address:</b>	2300 N. Jog Rd, 4 <sup>th</sup> Fl	<b>Phone: 561-233-2465</b>
	West Palm Beach, FL 33411	<b>Fax: 561-233-2414</b>

**Schedule and Budget:**

(Include estimated phases for 10 years and estimated project costs for 5 years.)

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
2017/ 2018	Feasibility	EIS	\$456,000	\$0	\$228,000	\$228,000
	PED	Permitting (JCP/COE)	\$150,000	\$0	\$75,000	\$75,000
	Monitoring	pre/post construction physical, reef, sea turtle	\$100,000	\$0	\$50,000	\$50,000
	Construction	Mitigation/groins	\$12,875,296	\$0	\$6,134,648	\$6,134,648

2018/ 2019	Monitoring	post construction physical, reef, sea turtle	\$100,000	\$0	\$50,000	\$50,000
2019/ 2020	Monitoring	post construction physical, reef, sea turtle	\$100,000	\$0	\$50,000	\$50,000
2020/ 2021	Monitoring	post construction physical, reef, sea turtle	\$100,000	\$0	\$50,000	\$50,000
	Construction	Beach fill	\$3,500,000	\$0	\$1,750,000	\$1,750,000
2021/ 2022	Monitoring	post construction physical, reef, sea turtle	\$100,000	\$0	\$50,000	\$50,000
2022/ 2023	Monitoring	post construction physical, reef, sea turtle				
2023/ 2024	Monitoring	post construction physical, reef, sea turtle				
	Construction	Beach fill				
2024/ 2025	Monitoring	post construction physical, reef, sea turtle				
2025/ 2026	Monitoring	post construction physical, reef, sea turtle				
2026/ 2027	Monitoring	post construction physical, reef, sea turtle				
	Construction	Beach fill				

**Local Sponsor Financial and Administrative Commitment:**

The project is part of the County's 5-Year Comprehensive financial plan available at:  
<http://www.pbcgov.com/ofmb/budget/capital/2016/>

The project is also included in the County's 30-year Shore Protection Plan revised in 2014,  
available at:  
<http://www.pbcgov.com/erm/coastal/shoreline/>

A Resolution is scheduled for Board of County Commissioners approval on August 16, 2016.  
The signed Resolution will be provided under separate cover once approved.

**Eligibility: Public Beach Access Points and Public Lodging Establishments:**

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (feet)	DBPR License
Lantana Municipal Beach	R37	Primary	680'	228	2,640'	3,320'	N/A
Eau Palm Beach Resort and Spa	R138	Hotel	730'	310 guest rooms	0'	730'	<a href="https://www.myfloridalicense.com/LicenseDetail.asp?SID=&amp;id=E05A3D27F408BA3C0F9D4ACC4851C9ED">https://www.myfloridalicense.com/LicenseDetail.asp?SID=&amp;id=E05A3D27F408BA3C0F9D4ACC4851C9ED</a>
Total			2980'	432	2,640'	4,150'	

**FY 2017/18 Local Government Funding Request  
Beach and Inlet Management Project  
Application Supplement**

**Project Name:** South Lake Worth Inlet Management

**Project Description:**

The project consists of design, permitting, construction, mitigation, and monitoring associated with the implementation of the South Lake Worth Inlet Management Plan (Palm Beach County, R-151 – R-152 (monitoring from R137-R164)). Activities occurring under this project include the periodic dredging of the sand trap and navigational channel located inside the inlet and the reconstruction of the sand transfer plant. The reconstruction of the plant was completed in 2011. Dredging and expansion of the sand trap was completed in November 2014.

The fixed sand transfer plant located on the updrift jetty bypasses 100% of the sand trapped by the jetty. Annually this averages 80,000 cy.

**Use of Requested Program Funds:**

The requested FY2017-18 funding will be used for ongoing permit required biological and physical monitoring.

**Local Government Contact:**

<b>Name</b>	<b>Title</b>	<b>Email</b>
Tracy Logue	Coastal Geologist	Tlogue@Pbcgov.org
<b>Address:</b>	2300 N. Jog Rd, 4 <sup>th</sup> Fl	<b>Phone:</b> 561-233-2941
	West Palm Beach, FL 33411	<b>Fax:</b> 561-233-2414

**Schedule and Budget:**

(Include estimated phases for 10 years and estimated project costs for 5 years.)

<b>Year</b>	<b>Proposed Method</b>	<b>Description</b>	<b>Total Estimated Cost</b>	<b>Federal Cost Share</b>	<b>State Cost Share</b>	<b>Local Cost Share</b>
2017/ 2018	Monitoring	sand trap, physical profiles, sea turtle, SAV	\$120,000	\$0	\$90,000	\$30,000
2018/ 2019	Monitoring	sand trap, physical profiles, sea turtle, SAV	\$120,000	\$0	\$90,000	\$30,000
2019/ 2020	Monitoring	sand trap, physical profiles, sea turtle, SAV	\$120,000	\$0	\$90,000	\$30,000
	Construction	dredging and widening of sand trap	\$1,000,000	\$0	\$750,000	\$250,000

2020/ 2021	Monitoring	sand trap, physical profiles, sea turtle, SAV	\$120,000	\$0	\$90,000	\$30,000
2021/ 2022	Monitoring	sand trap, physical profiles, sea turtle, SAV	\$120,000	\$0	\$90,000	\$30,000
2022/ 2023	Monitoring	sand trap, physical profiles, sea turtle, SAV				
2023/ 2024	Monitoring	sand trap, physical profiles, sea turtle, SAV				
2024/ 2025	Monitoring	sand trap, physical profiles, sea turtle, SAV				
2025/ 2026	Monitoring	sand trap, physical profiles, sea turtle, SAV				
2026/ 2027	Monitoring	sand trap, physical profiles, sea turtle, SAV				

**Local Sponsor Financial and Administrative Commitment**

The project is part of the County's 5-Year Comprehensive financial plan available at:  
<http://www.pbcgov.com/ofmb/budget/capital/2016/>

The project is also included in the County's 30-year Shore Protection Plan revised in 2014, available at:  
<http://www.pbcgov.com/erm/coastal/shoreline/>

A Resolution is scheduled for Board of County Commissioners approval on August 16, 2016. The signed Resolution will be provided under separate cover once approved.



**FY 2017/18 Local Government Funding Request  
Beach and Inlet Management Project  
Application Supplement**

**Project Name:** Ocean Ridge Shore Protection Project

**Project Description:**

Shoreline protection and monitoring of 1.42 miles of beach adjacent to the South Lake Worth Inlet (Between DEP reference monuments R-151 and R-159) in Palm Beach County. The beach was first nourished in 1998. A series of eight T- head groins was also constructed and a primary dune was reestablished along a majority of the project area. In November of 2005, 1.1 miles of this beach was renourished. The 2nd renourishment of this beach was completed in April 2014 by the US Army Corps of Engineers utilizing a borrow area just offshore of the fill area.

**Use of Requested Program Funds:**

Funds requested for FY 2017-18 will be used for post-construction biological (reef, sea turtle and shorebird monitoring) and physical monitoring (aerial surveys and regional profiles) as required by DEP permit.

**Local Government Contact:**

<b>Name</b>	<b>Title</b>	<b>Email</b>
Tracy Logue	Coastal Geologist	<a href="mailto:tlogue@pbcgov.org">tlogue@pbcgov.org</a>
<b>Address:</b>	2300 N. Jog Rd, 4 <sup>th</sup> Fl	<b>Phone:</b> 561-233-2491
	West Palm Beach, FL 33411	<b>Fax:</b> 561-233-2414

**Schedule and Budget:**

(Include estimated phases for 10 years and estimated project costs for 5 years.)

<b>Year</b>	<b>Proposed Method</b>	<b>Description</b>	<b>Total Estimated Cost</b>	<b>Federal Cost Share</b>	<b>State Cost Share</b>	<b>Local Cost Share</b>
2017/ 2018	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
2018/ 2019	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
	PED	sand search, LRR	\$400,000	\$194,800	\$102,600	\$102,600
2019/ 2020	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
	PED	LRR, permitting (JCP/COE)	\$100,000	\$48,700	\$25,650	\$25,650

2020/ 2021	Monitoring	pre construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
	PED	Permitting (JCP.COE)	\$100,000	\$48,700	\$25,650	\$25,650
2021/ 2022	Monitoring	pre construction physical, reef, sea turtle, shorebird	\$200,000	\$0	\$100,000	\$100,000
	Construction	dredge and fill	17,000,000	\$8,279,000	\$4,360,500	\$4,360,500
2022/ 2023	Monitoring	post construction physical, reef, sea turtle, shorebird				
2023/ 2024	Monitoring	post construction physical, reef, sea turtle, shorebird				
2024/ 2025	Monitoring	post construction physical, reef, sea turtle, shorebird				
2025/ 2026	Monitoring	post construction physical, reef, sea turtle, shorebird				
2026/ 2027	Monitoring	post construction physical, reef, sea turtle, shorebird				

**Local Sponsor Financial and Administrative Commitment:**

The project is part of the County's 5-Year Comprehensive financial plan available at:  
<http://www.pbcgov.com/ofmb/budget/capital/2016/>

The project is also included in the County's 30-year Shore Protection Plan revised in 2014,  
available at:  
<http://www.pbcgov.com/erm/coastal/shoreline/>

A Resolution is scheduled for Board of County Commissioners approval on August 16, 2016.  
The signed Resolution will be provided under separate cover once approved.

**Eligibility: Public Beach Access Points and Public Lodging Establishments:**

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (feet)	DBPR License
SLWI Park	R151	Secondary	91'	26	2640'	2,731'	N/A
Ocean Inlet Park	R152	Primary	725'	126	2,640'	3,365	N/A
Ocean Hammock Park	R155-156	Secondary	1,110'	33	0'	1,110'	N/A
Oceanfront Park	R156-157	Primary	1,034'	247	5,280'	6314'	N/A
Edith Street Access	R159	Secondary	20'	0	0'	20'	N/A
Total			2980'	432	10,560'	13,540'	