

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2014	2015	2016	2017	2018
Capital Expenditures	_____	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	_____	_____	_____	_____	_____
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____

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

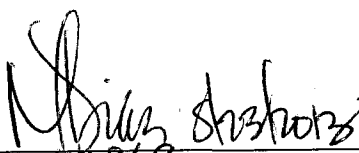
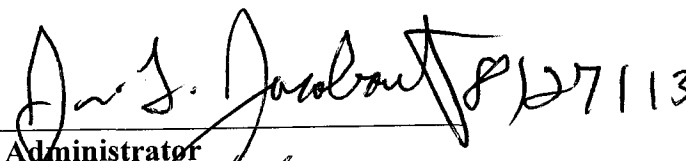
B. Recommended Sources of Funds/Summary of Fiscal Impact


There is no fiscal impact until State funding is appropriated and a project agreement is executed. Potential fiscal impact to the County is \$1,872,616 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.

C. Department Fiscal Review: 

III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Administrator Comments:


 OFMB 8/17 cc 8/22/13 Contract Administrator 8/27/13 
 B. Wheeler

B. Legal Sufficiency:

 Assistant County Attorney

C. Other Department Review:

 Department Director

RESOLUTION NO. 2013-_____

**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 EROSION CONTROL ASSISTANCE
PROGRAM FOR FISCAL YEAR 2014-15.**

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 Bureau of Beaches and Coastal Systems is preparing their Beach Erosion Control Long-Range Budget Plan to develop the Fiscal Year 2014-15 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 \$470,000 for the Coral Cove Park Dune Restoration, \$125,000 for the Jupiter/Carlin Shore Protection Project, \$375,000 for the Juno Beach Shore Protection Project, \$639,120 for the Singer Island Shore Protection Project, \$190,000 for the Central Palm Beach County Erosion Control Project, \$536,250 for the South Lake Worth Inlet Management Plan, and \$46,200 for the Ocean

1 Ridge Shore Protection Project.

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

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

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

7

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

11 District 4 COMMISSIONER Steven L. Abrams, Mayor _____

12 District 7 COMMISSIONER Priscilla A. Taylor, Vice Mayor _____

13 District 1 COMMISSIONER Hal R. Valeche _____

14 District 2 COMMISSIONER Paulette Burdick _____

15 District 3 COMMISSIONER Shelley Vana _____

16 District 5 COMMISSIONER Mary Lou Berger _____

17 District 6 COMMISSIONER Jess R. Santamaria _____

18 The Mayor thereupon declared the Resolution duly passed and adopted this _____
19 day of _____, 20__.

20

21 APPROVED AS TO FORM AND
22 LEGAL SUFFICIENCY

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

23

24

Sharon R. Bock, Clerk & Comptroller

25

26

27

By  _____
Assistant County Attorney

By _____
Deputy Clerk

28

29

**FY 2014-15 Local Government Funding Request
Beach Management Projects**

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 (R5-R8 (fill area) location map attached). In 1993, a dune restoration project was completed in Coral Cove Park (R5-R7.6) using sand trucked to the site from an upland source. Armoring has been conducted along private development in Tequesta. This area was severely impacted by Hurricanes Frances and Jeanne (2004). Following the effects of the 2004 hurricane season, emergency protective dunes were constructed and subsequently planted in 2005 using funds from FEMA. This dune restoration was stable until recently (2011), threatening safe public access and damaging dune crossovers and lifeguard stands. A small-scale dune repair and planting project occurred during the winter 2012/2013 construction season, but a majority of that sand has washed away. A more robust dune restoration project is planned for the winter 2013/2014 construction season. Design and permitting work for this project is underway.

Use of Requested Program Funds:

Funds requested for FY 2014-15 will be used to reimburse eligible expenses incurred during the planning, design, construction and monitoring of the dune restoration. Eligible aerial surveys and regional (profiles and hydrographic) monitoring will also be funded. Because of the importance of this beach as sea turtle nesting habitat, it is expected that up to three years of post-construction surveys will be required to document sea turtle and shorebird activity on this beach and funding is requested for these activities as well.

Local Government Contact

Does this sponsor have dedicated support staff whose sole priority is to manage beach erosion control activities? **YES**

Name	Title	Email
Reubin Bishop	Environmental Analyst	RBishop@Pbcgov.org
Address:	2300 N. Jog Rd, 4 th Fl	Phone: 561-233-2419
	West Palm Beach, FL 33411	Fax: 561-233-2414

Mapping- Maps are provided as attachments.

Maps should be to scale at a minimum of 1"=200'

Mapping elements include:

- Project Boundary with Critically Eroded Shoreline
- Range Monuments
- Beach Access and Parking- Primary and Secondary, including access widths.
- Public Lodging Establishments- locations and length of property boundaries along project shoreline or street frontage.
- Comprehensive Plan/Current Land Use designations of Commercial and Recreational Facilities and associated property boundaries along the project shoreline.

Length of Project Boundary in Feet (total restored length) 4500'

Eligibility: Access points and public lodging establishments:

Location	Address	R-mon	Type	Width	Units/spaces	Public spaces	Eligible Shoreline
Coral Cove Park	-	3.25 - 7.5	Primary	3000'	135 parking spaces	135	5640'

Schedule and Budget:

(includes estimates phases for 10 years and estimated project costs for 5 years):

Year	Phase	Description	Total Cost	State	Local
2014-2015	Construction	truckhaul fill	\$900,000	\$450,000	\$450,000
	Monitoring	pre/post const physical, reef, sea turtle, shorebird	\$40,000	\$20,000	\$20,000
2015-2016	Monitoring	post construction physical, reef, sea turtle, shorebird	\$40,000	\$20,000	\$20,000
2016-2017	Monitoring	post construction physical, reef, sea turtle, shorebird	\$40,000	\$20,000	\$20,000
2017-2018	Monitoring	post construction physical, aerials	\$10,000	\$5,000	\$5,000
2018-2019	Monitoring	post construction physical, aerials	\$10,000	\$5,000	\$5,000
2019-2020	Monitoring	post construction physical, aerials			
2020-2021	Monitoring	post construction physical, aerials			
2021-2022	Monitoring	post construction physical, aerials			
2022-2023	Monitoring	post construction physical, aerials			
2023-2024	Monitoring	post construction physical, aerials			

Severity of Erosion: The entire project area is designated as critically eroded by the Department of Environmental Protection. The historic 30-year erosion rate along the project shoreline was computed by the Department to be 1.45 ft/yr (DEP-BBCS 2008, SBMP).

Threat to Upland Structures

Criterion will be calculated by the Department. Please provide narrative and any data that should be considered in addition to the Department's database.

The Anastasia limestone formation just offshore of the project area has historically protected the beach in this area. However, recent wind and wave events have deflated the beach berm elevation such that the limestone is onshore and preventing natural accretion and reattachment of the offshore sand bar. Photos are attached.

Recreational and Economic Benefit: The percentage of linear footage of properties within the project boundaries zoned commercial, recreational, or Public Lodging Establishment, or the equivalent, in the current local government land use map 67%

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.
 Federal cost share percentage available for this project: 0%

Is this project funded through FEMA for storm repairs? No
 Provide a copy of the signed Project Worksheet. N/A

Local Sponsor Financial and Administrative Commitment

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

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

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 2nd and 3rd 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>

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:

This project does not currently have a funding contract, so no quarterly reports have been required. However, Palm Beach County has been compliant with all funding contracts for the past year

2012-2013	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	10/31/2012	10/30/2012	Yes
Qtr 2 (Oct-Dec)	01/31/2013	01/29/2013	Yes
Qtr 3 (Jan-Mar)	04/30/2013	04/30/2013	Yes
Qtr 4 (Apr-Jun)	7/31/2013	7/30/2013	Yes

Are there active federal and state permits for the project? CCCL

Have local funds been secured for the project? Yes
 Explain: The dune project is in the 2014 Department Capital budget (attached)

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

- Support from the Sponsor for the Proposed Project
- Willingness to serve as the Local Sponsor
- Ability to provide the full Local Cost Share
- And the source of the funding

The resolution will be signed by the Board of County Commissioners at their regular meeting on September 10, 2013. An unsigned copy of the resolution is a part of the application package and the signed resolution will be uploaded to the Departments website as soon as it is available.

Previous State Commitment:

Has the Department previously cost shared, reviewed, and approved a feasibility or design phase for this project? Yes

Previous State Cost Share percentage 50%

Will this project enhance or increase the longevity of a previously-constructed project? How? (Not applicable to dune projects)

Will this project nourish a previously restored shoreline? (Full beach nourishment. Dune-only projects do not qualify.) N/A

Project Performance:

Nourishment Interval (Years): N/A

Mitigation of Inlet Effects: N/A

Criterion is calculated by the Department. Please provide any supplemental information that may assist in determining if the project is located with the area of inlet influence and provides supplemental nourishment for an inlet that is not balancing its sediment budget as defined by the Inlet Management Plan or Strategic Beach Management Plan.

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.
N/A _____

Significance:

- Length of Project **4500'**
- Is project entering construction phase? **Yes**
- Percentage of shoreline zones commercial, recreational, or lodging **67%**
- 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? **N/A**
- Has the project eroded into the design template? **Yes**
- What is the proposed placement volume? **40K cy**

Attachments:

1. Project map, including project boundaries, public beach access and parking
2. MPP timeline
3. Project Budget

FY 2014-15 Local Government Funding Request

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 (fill area) location map attached). The beach was first nourished in 1995 and renourished in 2002. A primary dune was reestablished along the project area. Permit-required post-construction monitoring is ongoing. A second renourishment is scheduled for November 2013.

The primary borrow area for this project is located approximately 8 miles to the south, offshore of Singer Island, FL. This borrow area was used for the Juno Beach shore protection project, which was completed in March, 2010. Additional geotechnical work has been completed for this borrow area to better define the amount of beach-quality sand remaining, and to make most efficient use of remaining resources. An investigation of sand sources located in the northern part of Palm Beach County is continuing to assist with the selection of additional borrow areas, for future nourishments.

A dune restoration project was completed on this beach in January of 2013 under the EFO issued by the Department. 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.

Use of Requested Program Funds:

Funds for FY 2014-15 are requested to reimburse any outstanding construction and monitoring costs associated with the 2013/14 beach nourishment and any eligible expenses incurred during the planning, design, construction and monitoring of the dune restoration project completed in early 2013. Eligible aerial surveys and regional (profiles and hydrographic) monitoring will also be funded.

Local Government Support

Does this sponsor have dedicated support staff whose sole priority is to manage beach erosion control activities? **YES**

Name	Title	Email
Kimberly Miranda	Sr. Env. Analyst	KMiranda@Pbcgov.org
Address:	2300 N. Jog Rd, 4 th Fl	Phone: 561-233-2465
	West Palm Beach, FL 33411	Fax: 561-233-2414

Mapping- Maps are provided as attachments.

Maps should be to scale at a minimum of 1"=200'

Mapping elements include:

- Project Boundary with Critically Eroded Shoreline
- Range Monuments
- Beach Access and Parking- Primary and Secondary, including access widths.
- Public Lodging Establishments- locations and length of property boundaries along project shoreline or street frontage.
- Comprehensive Plan/Current Land Use designations of Commercial and Recreational Facilities and associated property boundaries along the project shoreline.

Length of Project Boundary in Feet (total restored length)

5589'

Eligibility: Access points and public lodging establishments:

Location	Address	R-mon	Type	Width	Units/spaces	Public spaces	Eligible Shoreline
Jupiter Beach Park	-	12.5 - 14.5	Primary	1736'	169 parking spaces	169	4376'
Jupiter Beach Resort	5 N. A1A Jupiter, FL 33477	16.5-17	Motel	415'	159 guest rooms	159	415'
Carlin Park	-	17-19.75	Primary	2502'	532 parking spaces	532	7782'

Schedule and Budget (includes estimates phases for 10 years and estimated project costs for 5 years):

Note: current Project Participation Agreements with the Corps of Engineers to not provide Federal cost share for monitoring costs.

Year	Phase	Description	Total Cost	Federal	State	Local
2014-2015	Monitoring	post construction physical, reef, sea turtle, shorebird	\$250,000		\$125,000	\$125,000
2015-2016	Monitoring	post construction physical, reef, sea turtle, shorebird	\$250,000		\$125,000	\$125,000
2016-2017	Monitoring	post construction physical, reef, sea turtle, shorebird	\$250,000		\$125,000	\$125,000
2017-2018	Monitoring	post construction physical, reef, sea turtle, shorebird	\$250,000		\$125,000	\$125,000
2018-2019	Monitoring	post construction physical, reef, sea turtle, shorebird	\$250,000		\$125,000	\$125,000
2019-2020	PED	sand search, Federal coordination				
	Monitoring	post construction physical, reef, sea turtle, shorebird				
2020-2021	PED	permitting, PCA				
	Monitoring	post construction physical, reef, sea turtle, shorebird				
2021-2022	Monitoring	pre construction physical, reef, sea turtle, shorebird				
	Construction	dredge and fill				
2022-2023	Monitoring	post construction physical, reef, sea turtle, shorebird				
2023-2024	Monitoring	post construction physical, reef, sea turtle, shorebird				

Severity of Erosion: The entire project area is designated as critically eroded by the Department of Environmental Protection. The Department most recently calculated the historical erosion rate as -2.1 ft/yr. There is one bathroom building in Jupiter Beach Park which was closed for nearly a year following Sub-Tropical Storm Andrea due to building damage and dune collapse. This building is now protected by a sea wall.

Threat to Upland Structures

Criterion will be calculated by the Department. Please provide narrative and any data that should be considered in addition to the Department's database.

Recreational and Economic Benefit: The percentage of linear footage of properties within the project boundaries zoned commercial, recreational, or Public Lodging Establishment, or the equivalent, in the current local government land use map **72%**

Availability of Federal Funds:

Is the project Federally authorized by WRDA? **Yes**
 Provide date of authorization expiration. **2039**
 Does this project phase have a Federal Project Cooperative Agreement, or similar for the current phase? **Yes Attached**
 Provide a copy of the document.

Federal cost share percentage available for this project: **100% FCCE**
 Is this project funded through FEMA for storm repairs? **No**
 Provide a copy of the signed Project Worksheet. **N/A**
Note: current Project Participation Agreements with the Corps of Engineers to not provide Federal cost share for monitoring costs.

Local Sponsor Financial and Administrative Commitment

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

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

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 2nd and 3rd 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>

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:

This project does not currently have a funding contract, so no quarterly reports have been required. However, Palm Beach County has been compliant with all funding contracts for the past year

2012-2013	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	10/31/2012	10/30/2012	Yes
Qtr 2 (Oct-Dec)	01/31/2013	01/29/2013	Yes
Qtr 3 (Jan-Mar)	04/30/2013	04/30/2013	Yes
Qtr 4 (Apr-Jun)	7/31/2013	7/30/2013	Yes

Are there active federal and state permits for the project? **Yes – in progress, should be issued by date of request submittal**

Have local funds been secured for the project? **Yes**
 Explain: The project is in the 2014 Department Capital budget (attached)

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

- Support from the Sponsor for the Proposed Project
- Willingness to serve as the Local Sponsor
- Ability to provide the full Local Cost Share
- And the source of the funding

The resolution will be signed by the Board of County Commissioners at their regular meeting on September 10, 2013. An unsigned copy of the resolution is a part of the application package and the signed resolution will be uploaded to the Departments website as soon as it is available.

Previous State Commitment:

Has the Department previously cost shared, reviewed, and approved a feasibility or design phase for this project? **Yes**

Previous State Cost Share percentage **50% of non-Federal Share**

Will this project enhance or increase the longevity of a previously-constructed project? How? (Not applicable to dune projects) **No**

Will this project nourish a previously restored shoreline? (Full beach nourishment. Dune-only projects do not qualify.) Yes

Project Performance:

Nourishment Interval (Years): 7

Mitigation of Inlet Effects: N/A

Criterion is calculated by the Department. Please provide any supplemental information that may assist in determining if the project is located with the area of inlet influence and provides supplemental nourishment for an inlet that is not balancing its sediment budget as defined by the Inlet Management Plan or Strategic Beach Management Plan.

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.
 N/A

Significance:

- Length of Project 5,589'
- Is project entering construction phase? Yes
- Percentage of shoreline zones commercial, recreational, or lodging 72%
- 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? 100%
- Has the project eroded into the design template? Yes
- What is the proposed placement volume? 900,000 cy

Attachments:

1. Project map, including project boundaries, public beach access and parking
2. FL-DBPR documentation
3. MPP timeline
4. Project Budget

FY 2014-15 Local Government Funding Request

Project Name: Juno Beach Shore Protection Project

Project Description:

Renourishment of approximately 2.4 miles of critically eroding shoreline beginning 2.2 miles downdrift of Jupiter Inlet (R-26 - R-38 (fill area), map attached). The original project was completed in 2001 and impacted by the hurricanes of 2004 and 2005 and by T.S. Fay in 2008. The first Renourishment of this beach was completed in March 2010. The next nourishment of this beach is scheduled for the 2016/2017 construction season.

The borrow area for this project was located approximately 5 miles to the South, offshore of Singer Island, FL in approximately 70 fsw. This borrow area is exhausted and a new sand source must be utilized for the next nourishment of this beach.

Use of Requested Program Funds:

Funds requested for FY2014 - 15 will be used to support project-specific monitoring required by permit (currently aerial photography, and regional (profiles and hydrographic) monitoring), as well as the search for a new beach-compatible sand source.

Local Government Support

Does this sponsor have dedicated support staff whose sole priority is to manage beach erosion control activities? YES

Name	Title	Email
Reubin Bishop	Env. Analyst	RBishop@Pbcgov.org
Address:	2300 N. Jog Rd, 4 th Fl	Phone: 561-233-2519
	West Palm Beach, FL 33411	Fax: 561-233-2414

Mapping- Maps are provided as attachments.

Maps should be to scale at a minimum of 1"=200'

Mapping elements include:

- Project Boundary with Critically Eroded Shoreline
- Range Monuments
- Beach Access and Parking- Primary and Secondary, including access widths.
- Public Lodging Establishments- locations and length of property boundaries along project shoreline or street frontage.
- Comprehensive Plan/Current Land Use designations of Commercial and Recreational Facilities and associated property boundaries along the project shoreline.

Length of Project Boundary in Feet (total restored length) 12,818'

Eligibility: Access points and public lodging establishments:

Location	Address	R-mon	Type	Width	Units/spaces	Public spaces	Eligible Shoreline
Radnor Park	-	R26 - 27	Primary	1285' in project	165	165 parking spaces	3925'
Double Roads Access	-	R28.5	Secondary	1262'	106	106 parking spaces	1262'
Ocean Cay Park	-	30.5	Primary	686'	220	220 parking spaces	5966'
Juno Beach Park	-	R31	Primary	300'	318	318 parking spaces	5580'
Juno Dunes Natural Area	-	R32 - 34	Secondary	2100'	0	no parking	2100'
Loggerhead Park	-	R34 - 35	Primary	1125'	218	218 parking spaces	6405'
Mercury Road Access	-	R39	Secondary	160'	97	97 parking spaces	160'

Schedule and Budget (includes estimates phases for 10 years and estimated project costs for 5 years):

Year	Phase	Description	Total Cost	Federal	State	Local
2014-2015	PED	Sand search, permitting	\$500,000	\$0	\$250,000	\$250,000
	Monitoring	post construction physical, reef, sea turtle, shorebird	\$250,000	\$0	\$125,000	\$125,000
2015-2016	PED	permitting, contracting	\$500,000	\$0	\$250,000	\$250,000
	Monitoring	pre/post construction physical, reef, sea turtle, shorebird	\$300,000	\$0	\$150,000	\$150,000
2016-2017	Construction	dredge and fill	\$12,000,000	\$0	\$6,000,000	\$6,000,000
	Monitoring	construction physical, reef, sea turtle, shorebird	\$500,000	\$0	\$250,000	\$250,000
2017-2018	Monitoring	post construction physical, reef, sea turtle, shorebird	\$500,000	\$0	\$250,000	\$250,000
2018-2019	Monitoring	post construction physical, reef, sea turtle, shorebird	\$500,000	\$0	\$250,000	\$250,000
2019-2020	Monitoring	post construction physical, reef, sea turtle, shorebird				
2020-2021	Monitoring	post construction physical, reef, sea turtle, shorebird				
2021-2022	Monitoring	post construction physical, reef, sea turtle, shorebird				
2022-2023	PED	Sand search, permitting				
	Monitoring	post construction physical, reef, sea turtle, shorebird				
2023-2024	PED	permitting, contracting				
	Monitoring	pre construction physical, reef, sea turtle, shorebird				

Severity of Erosion: The entire project area is designated as critically eroded by the Department of Environmental Protection. The Department most recently calculated the historical erosion rate as -2 ft/yr.

Threat to Upland Structures

Criterion will be calculated by the Department. Please provide narrative and any data that should be considered in addition to the Department's database.

Recreational and Economic Benefit: The percentage of linear footage of properties within the project boundaries zoned commercial, recreational, or Public Lodging Establishment, or the equivalent, in the current local government land use map **54%**

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.
 Federal cost share percentage available for this project:
 Is this project funded through FEMA for storm repairs? No
 Provide a copy of the signed Project Worksheet. N/A

Local Sponsor Financial and Administrative Commitment

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

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

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 2nd and 3rd 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>

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:

2012-2013	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	10/31/2012	10/30/2012	Yes
Qtr 2 (Oct-Dec)	01/31/2013	01/29/2013	Yes
Qtr 3 (Jan-Mar)	04/30/2013	04/30/2013	Yes
Qtr 4 (Apr-Jun)	7/31/2013	7/30/2013	Yes

Are there active federal and state permits for the project? Yes
 Have local funds been secured for the project? Yes
 Explain: The project is in the 2014 Department Capital budget (attached)

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

- Support from the Sponsor for the Proposed Project
- Willingness to serve as the Local Sponsor
- Ability to provide the full Local Cost Share
- And the source of the funding

The resolution will be signed by the Board of County Commissioners at their regular meeting on September 10, 2013. An unsigned copy of the resolution is a part of the application package and the signed resolution will be uploaded to the Departments website as soon as it is available.

Previous State Commitment:

Has the Department previously cost shared, reviewed, and approved a feasibility or design phase for this project? Yes

Previous State Cost Share percentage **50% of non-Federal Share**

Will this project enhance or increase the longevity of a previously-constructed project? How? (Not applicable to dune projects) No

Will this project nourish a previously restored shoreline? (Full beach nourishment. Dune-only projects do not qualify.) Yes

Project Performance:

Nourishment Interval (Years):

6

Mitigation of Inlet Effects:

N/A

Criterion is calculated by the Department. Please provide any supplemental information that may assist in determining if the project is located within the area of inlet influence and provides supplemental nourishment for an inlet that is not balancing its sediment budget as defined by the Inlet Management Plan or Strategic Beach Management Plan.

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.
N/A

Significance:

- Length of Project 12,818'
- Is project entering construction phase? No
- Percentage of shoreline zones commercial, recreational, or lodging 54%
- 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? 25%
- Has the project eroded into the design template? No
- What is the proposed placement volume? 900,000 cy

Attachments:

1. Project map, including project boundaries, public beach access and parking
2. MPP timeline
3. Project Budget

FY 2013-14 Local Government Funding Request

Project Name: Singer Island Shore Protection Project

Project Description:

This project consists of design, permitting, construction, and monitoring associated with the restoration of 1.8 miles of coastline on Singer Island (R-60.5 to R-66) in Palm Beach County. Restoring the dune will reduce the impact of storms, add a reservoir of sand and help dissipate wave energy.

Use of Requested Program Funds:

The requested funding for FY 2014 - 15 for this area will be used for continued permit-required monitoring of both project performance and effects on biological populations (sea turtles, shorebirds, and fish). Funds are requested to be appropriated for bi-ennial dune restoration as necessary to protect upland structures.

Local Government Support

Does this sponsor have dedicated support staff whose sole priority is to manage beach erosion control activities? **YES**

Name	Title	Email
Michael Stahl	Sr. Env. Analyst	MStahl@Pbcgov.org
Address:	2300 N. Jog Rd, 4 th Fl	Phone: 561-233-2433
	West Palm Beach, FL 33411	Fax: 561-233-2414

Mapping- Maps are provided as attachments.

Maps should be to scale at a minimum of 1"=200'

Mapping elements include:

- Project Boundary with Critically Eroded Shoreline
- Range Monuments
- Beach Access and Parking- Primary and Secondary, including access widths.
- Public Lodging Establishments- locations and length of property boundaries along project shoreline or street frontage.
- Comprehensive Plan/Current Land Use designations of Commercial and Recreational Facilities and associated property boundaries along the project shoreline.

Length of Project Boundary in Feet (total restored length)

7127'

Eligibility: Access points and public lodging establishments:

Location	Address	R-mon	Type	Width	Units/spaces	Public spaces	Eligible Shoreline
MacArthur State Beach Park	-	52 - 61	Primary	Adjacent to project	500+ parking spaces	500+	2640'
Ocean Reef Park	-	67 - 68	Primary	w/ in 1/2 mile of proj.	243 spaces	243	2640'

Schedule and Budget (includes estimates phases for 10 years and estimated project costs for 5 years):

Year	Phase	Description	Total Cost	State	Local	Municipal
2014-2015	Monitoring	post construction physical, reef, sea turtle	\$200,000	\$79,890	\$80,110	\$40,000
	Dune fill	maintenance of dune	\$1,400,000	\$559,230	\$560,770	\$280,000
2015-2016	Monitoring	post construction physical, reef, sea turtle	\$200,000	\$79,890	\$80,110	\$40,000
2016-2017	Monitoring	post construction physical, reef, sea turtle	\$500,000	\$199,725	\$200,275	\$100,000
	Dune fill	maintenance of dune	\$1,400,000	\$559,230	\$560,770	\$280,000
2017-2018	Monitoring	Dune inspections, physical profiles	\$100,000	\$39,945	\$40,055	\$20,000
2018-2019	Monitoring	Dune inspections, physical profiles	\$100,000	\$39,945	\$40,055	\$20,000
2019-2020	Monitoring	Dune inspections, physical profiles				
2020-2021	Monitoring	Dune inspections, physical profiles				
2021-2022	Monitoring	Dune inspections, physical profiles				
2022-2023	Monitoring	Dune inspections, physical profiles				
2023-2024	Monitoring	Dune inspections, physical profiles				

Severity of Erosion: The entire project area is designated as critically eroded by the Department of Environmental Protection. Since 2001, erosion rates have been calculated up to -15 ft/yr. Recent hurricanes and storm activity have accelerated the beach erosion throughout the area. Dune restoration and plantings have been necessary each year to protect upland properties since 2004. The hurricanes of 2004 and 2005 destroyed the restored dunes and lowered the berm height. The beach has not recovered, and continues to be impacted by wind and waves due to winter storms and tropical activity, most recently Sub-Tropical Storm Andrea and Tropical Storms Noel and Fay.

The Department most recently calculated the historical erosion rate as -2 ft/yr.

Threat to Upland Structures

Criterion will be calculated by the Department. Please provide narrative and any data that should be considered in addition to the Department's database.

Recreational and Economic Benefit: The percentage of linear footage of properties within the project boundaries zoned commercial, recreational, or Public Lodging Establishment, or the equivalent, in the current local government land use map **0%**

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? **No**
 Provide a copy of the document. **N/A**
 Federal cost share percentage available for this project:
 Is this project funded through FEMA for storm repairs? **No**
 Provide a copy of the signed Project Worksheet. **N/A**

Local Sponsor Financial and Administrative Commitment

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

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

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 2nd and 3rd 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>

Is funding provided by a third party? **Yes**
 What is the percentage of total project costs provide by the third party? **20%**
 Please provide a copy of the cost sharing agreement. **Interlocal agreement attached**

Quarterly Report Compliance:

2012-2013	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	10/31/2012	10/30/2012	Yes
Qtr 2 (Oct-Dec)	01/31/2013	01/29/2013	Yes
Qtr 3 (Jan-Mar)	04/30/2013	04/30/2013	Yes
Qtr 4 (Apr-Jun)	7/31/2013	7/30/2013	Yes

Are there active federal and state permits for the project? **Yes DEP - CCCL**
 Have local funds been secured for the project? **Yes**
 Explain: The project is in the 2014 Department Capital budget (attached)

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

- Support from the Sponsor for the Proposed Project
- Willingness to serve as the Local Sponsor
- Ability to provide the full Local Cost Share
- And the source of the funding

The resolution will be signed by the Board of County Commissioners at their regular meeting on September 10, 2013. An unsigned copy of the resolution is a part of the application package and the signed resolution will be uploaded to the Departments website as soon as it is available.

Previous State Commitment:

Has the Department previously cost shared, reviewed, and approved a feasibility or design phase for this project? **Yes**

Previous State Cost Share percentage **39.29%**

Will this project enhance or increase the longevity of a previously-constructed project? How? (Not applicable to dune projects) **N/A**

Will this project nourish a previously restored shoreline? (Full beach nourishment. Dune-only projects do not qualify.) **N/A**

Has previous funding been released by the local sponsor due to project timelines? **Yes**

Project Performance:

Nourishment Interval (Years): **2**

Mitigation of Inlet Effects: **N/A**

Criterion is calculated by the Department. Please provide any supplemental information that may assist in

determining if the project is located with the area of inlet influence and provides supplemental nourishment for an inlet that is not balancing its sediment budget as defined by the Inlet Management Plan or Strategic Beach Management Plan.

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.

N/A

Significance:

- Length of Project 7,127'
- Is project entering construction phase? Yes
- Percentage of shoreline zones commercial, recreational, or lodging 0%
- 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? N/A
- Has the project eroded into the design template? N/A
- What is the proposed placement volume? 80,000 cy

Attachments:

1. Project map, including project boundaries, public beach access and parking
2. MPP timeline
3. Project Budget
4. Interlocal agreement with City of Riviera Beach

FY 2014-15 Local Government Funding Request

Project Name: South Palm Beach Island Comprehensive Shoreline Stabilization Project
 (previously known as the Central Palm Beach County Erosion Control 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 Ritz-Carlton in Manalapan (Palm Beach County, R-134 - R-138.5).

Several alternatives have been explored for the restoration and maintenance of this shoreline. As mentioned in the Strategic Beach Management Plan for this beach, a feasibility study for the project is complete and has been accepted by the Bureau. Design and permitting work for the shoreline protection project is pending the findings of an Environmental Impact Statement (EIS). A structural alternative has been proposed and is being evaluated by the EIS. This 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." Completion of an EIS is critical in being able to move forward with a solution for this beach.

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 2014-15 will be used to complete project design and permitting (including the EIS). Additional modeling is necessary in order to design a dune restoration project that can remain stable for up to three years on this critically eroded beach. Newer models will take into account projects which are planned for beaches to the north, as well as alternatives proposed by the Beach Management Agreement. Eligible aerial surveys and regional (profiles and hydrographic) monitoring for this area will also be funded.

Local Government Support

Does this sponsor have dedicated support staff whose sole priority is to manage beach erosion control activities? **YES**

Name	Title	Email
Kimberly Miranda	Sr. Env. Analyst	KMiranda@Pbcgov.org
Address:	2300 N. Jog Rd, 4 th Fl	Phone: 561-233-2465
	West Palm Beach, FL 33411	Fax: 561-233-2414

Mapping- Maps are provided as attachments.

Maps should be to scale at a minimum of 1"=200'

Mapping elements include:

- Project Boundary with Critically Eroded Shoreline
- Range Monuments
- Beach Access and Parking- Primary and Secondary, including access widths.
- Public Lodging Establishments- locations and length of property boundaries along project shoreline or street frontage.
- Comprehensive Plan/Current Land Use designations of Commercial and Recreational Facilities and associated property boundaries along the project shoreline.

Length of Project Boundary in Feet (total restored length)

4245'

Eligibility: Access points and public lodging establishments:

Location	Address	R-mon	Type	Width	Units/spaces	Public spaces	Eligible Shoreline
Lantana Municipal Beach	-	R-137	Primary	680	228 parking spaces	150	3320'
Palm Beach Oceanfront Inn	3550 S. Ocean Blvd, S. P. B, FL	135.5	Motel	100'	58 guest rooms	60 spaces	100'
Ritz Carlton	100 S. Ocean Blvd, Manalapan	R-138	Hotel	730'	310 guest rooms	310 rooms	730'

Schedule and Budget (includes estimates phases for 10 years and estimated project costs for 5 years):

Year	Phase	Description	Total Cost	State	Local	Municipal
2014-2015	PED	EIS, permitting	\$300,000	\$150,000	\$90,000	\$60,000
	Monitoring	physical, reef	\$80,000	\$40,000	\$24,000	\$16,000
2015-2016	Monitoring	pre/post construction physical, reef, sea turtle	\$100,000	\$50,000	\$30,000	\$20,000
	Dune fill	maintenance of dune	\$3,000,000	\$1,500,000	\$900,000	\$600,000
2016-2017	Monitoring	post construction physical, reef, sea turtle	\$100,000	\$50,000	\$30,000	\$20,000
	Construction	groins	\$2,000,000	\$1,000,000	\$600,000	\$400,000
2017-2018	Monitoring	post construction physical, reef, sea turtle	\$100,000	\$50,000	\$30,000	\$20,000
2018-2019	Monitoring	post construction physical, reef, sea turtle	\$100,000	\$50,000	\$30,000	\$20,000
	Dune Fill	maintenance of dune	\$3,000,000	\$1,500,000	\$900,000	\$600,000
2019-2020	Monitoring	dune inspections, physical profiles				
2020-2021	Monitoring	dune inspections, physical profiles				
2021-2022	Monitoring	dune inspections, physical profiles				
2022-2023	Monitoring	dune inspections, physical profiles				
2023-2024	Monitoring	dune inspections, physical profiles				

Severity of Erosion: The entire project area is designated as critically eroded by the Department of Environmental Protection. The Department most recently calculated the historical erosion rate as -2 ft/yr.

Threat to Upland Structures

Criterion will be calculated by the Department. Please provide narrative and any data that should be considered in addition to the Department's database.

The dune erosion model was run by the Department for the project area utilizing a 25-year return interval storm event. The results indicate that the total length of the project segments, within which structures are contained at or seaward of the projected erosion limits, is approximately 4,160 feet. Therefore, the percent of developed property containing structures within the project boundaries at or seaward of the projected erosion limits is: 4,160 ft / 5,408 ft = 77%.

Recreational and Economic Benefit: The percentage of linear footage of properties within the project boundaries zoned commercial, recreational, or Public Lodging Establishment, or the equivalent, in the current local government land use map **36%**

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? **No**
 Provide a copy of the document. **N/A**
 Federal cost share percentage available for this project: **No**
 Is this project funded through FEMA for storm repairs? **N/A**
 Provide a copy of the signed Project Worksheet. **N/A**

Local Sponsor Financial and Administrative Commitment

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

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

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 2nd and 3rd 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>

Is funding provided by a third party? **Yes**
 What is the percentage of total project costs provide by the third party? **20%**

Please provide a copy of the cost sharing agreement. **Interlocal agreement with the Town of South Palm Beach is attached**

Quarterly Report Compliance:

There is currently no funding agreement for this project area, however Palm Beach County has been compliant with required reporting for other eligible projects.

2012-2013	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	10/31/2012	10/30/2012	Yes
Qtr 2 (Oct-Dec)	01/31/2013	01/29/2013	Yes
Qtr 3 (Jan-Mar)	04/30/2013	04/30/2013	Yes
Qtr 4 (Apr-Jun)	7/31/2013	7/30/2013	Yes

Are there active federal and state permits for the project? **Yes**
 Have local funds been secured for the project? **Yes**
 Explain: The project is in the 2014 Department Capital budget (attached)

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

- Support from the Sponsor for the Proposed Project
- Willingness to serve as the Local Sponsor
- Ability to provide the full Local Cost Share
- And the source of the funding

The resolution will be signed by the Board of County Commissioners at their regular meeting on September 10, 2013. An unsigned copy of the resolution is a part of the application package and the signed resolution will be uploaded to the Departments website as soon as it is available.

Previous State Commitment:

Has the Department previously cost shared, reviewed, and approved a feasibility or design phase for this project? **Yes**

Previous State Cost Share percentage **50%**

Will this project enhance or increase the longevity of a previously-constructed project? How? (Not applicable to dune projects) **No**

Will this project nourish a previously restored shoreline? (Full beach nourishment. Dune-only projects do not qualify.) **N/A**

Project Performance:

Nourishment Interval (Years): **3**

Mitigation of Inlet Effects: **N/A**

Criterion is calculated by the Department. Please provide any supplemental information that may assist in determining if the project is located with the area of inlet influence and provides supplemental

nourishment for an inlet that is not balancing its sediment budget as defined by the Inlet Management Plan or Strategic Beach Management Plan.

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.

Yes – project is being coordinated with the Towns of Palm Beach and South Palm Beach as part of the larger “South Palm Beach Island Comprehensive Shoreline Stabilization Project and is mentioned in the BMA as a potential future project. Interlocal agreements with the Town fo Palm Beach is attached.

Significance:

- Length of Project 4,245'
- Is project entering construction phase? No
- Percentage of shoreline zones commercial, recreational, or lodging 36%
- 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? N/A
- Has the project eroded into the design template? N/A
- What is the proposed placement volume? 75,000 cy

Attachments:

1. Project map, including project boundaries, public beach access and parking
2. MPP timeline
3. Project Budget
4. Interlocal Agreements

FY 2014-15 Local Government Funding Request

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 is ongoing and construction is scheduled for completion in late summer 2013.

Use of Requested Program Funds:

The requested funding will be used for ongoing biological and physical monitoring, as well as advance mitigation for sea grass impacts associated with the future dredging of the sand trap.

Local Government Support

Does this sponsor have dedicated support staff whose sole priority is to manage beach erosion control activities? **YES**

Name	Title	Email
Tracy Logue	Coastal Geologist	TLogue@Pbcgov.org
Address:	2300 N. Jog Rd, 4 th Fl	Phone: 561-233-2491
	West Palm Beach, FL 33411	Fax: 561-233-2414

Mapping- Maps are provided as attachments.

Maps should be to scale at a minimum of 1"=200'

Mapping elements include:

- Project Boundary with Inlet, area of inlet influence and Critically Eroded Shoreline
- Range Monuments
- Comprehensive Plan/Current Land Use designations of Commercial and Recreational Facilities and associated property boundaries along the project shoreline.

Length of Area of Inlet Influence in Feet (As Determined by IMP or SBMP) 5000'

The actual extent of the inlet's impact on the south shoreline is not clear because the downdrift shoreline has been artificially manipulated through armoring (seawalls) and the construction of groins. Despite the shoreline armoring effects, it appears that South Lake Worth Inlet has affected approximately 5 to 6 miles of the downdrift shoreline. The accuracy of the assessment is directly related to accuracy of the surveys and the estimation of the littoral impact. (From the Department-adopted Inlet Management Plan, CPE 2004)

Schedule and Budget:

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

Year	Phase	Description	Total Cost	State	Local
2014-2015	monitoring	sand trap, physical profiles, sea turtle, SAV	\$215,000	\$161,250	\$53,750
	mitigation	advance mitigation of SAV at Bryant Park	\$500,000	\$375,000	\$125,000
2015-2016	feasibility	10-year update of management plan	\$200,000	\$150,000	\$50,000
	monitoring	sand trap, physical profiles, sea turtle, SAV	\$175,000	\$131,250	\$43,750
2016-2017	monitoring	sand trap, physical profiles, sea turtle, SAV	\$150,000	\$112,500	\$37,500
2017-2018	construction	dredging and widening of sand trap	\$1,000,000	\$750,000	\$250,000

	monitoring	sand trap, physical profiles, sea turtle, SAV	\$110,000	\$82,500	\$27,500
2020-2019	monitoring	sand trap, physical profiles, sea turtle, SAV	\$110,000	\$82,500	\$27,500
2019-2020	monitoring	sand trap, physical profiles, sea turtle, SAV			
2020-2021	monitoring	sand trap, physical profiles, sea turtle, SAV			
2021-2022	monitoring	sand trap, physical profiles, sea turtle, SAV			
2022-2023	monitoring	sand trap, physical profiles, sea turtle, SAV			
2023-2024	monitoring	sand trap, physical profiles, sea turtle, SAV			
	Construction	dredging of sand trap, placement on beach			

Description of inlet, area of inlet influence, and sediment budget from inlet management plan:

South Lake Worth Inlet was initially cut through the barrier island to serve as a flushing canal to improve the water quality and circulation in the south end of Lake Worth by allowing the water to exchange with the Atlantic Ocean. South Lake Worth Inlet is a stable tidal inlet because the tidal currents in the channel are strong enough to prevent sediments from settling within the channel, and because the jetties prevent the inlet from migrating with the natural littoral drift. In the vicinity of the inlet, the littoral drift has a general seasonal trend of south in the winter and north in the summer, with the net littoral drift being southerly.

The Corps of Engineers (1995) determined the sediment budget to begin with a net annual littoral drift of 135,000 cubic yards (cy). Approximately 13,000 cy (10%) are lost to the ebb shoal and offshore, 5,000 cy (4%) are lost to the flood shoal, however 3,000 cy (2%) are dredged and placed back in the system on the south beach, 4,000 cy (3%) are deposited on the north beach, and 5,000 cy (4%) are eroded from the south beach. This results in a net southerly drift south of the inlet of 121,000 cy (89.6%). Of the 121,000 cy exiting the inlet system, 33,000 cy (24.4%) bypassed the inlet naturally, 80,000 cy (59.2%) are bypassed mechanically, 3,000 cy (2%) were added back into the system by flood shoal dredging and an estimated 5,000 cy (4%) erode off the south beach and back into the system. The sand trap inside the inlet was designed to store sand for periodic dredging (every 5-7 years).

Estimated annual quantity of beach quality sand reaching the updrift boundary of the improved jetty or inlet channel:

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.

Balancing the sediment budget:

Annual bypassing objective adopted by the IMP or the SMBP or as determined by a department approved study:
88,000 cy

The annual average of bypassed material (cubic yards) since adoption of a bypass objective:

Since 1999, (the year the SLWI Management Plan was adopted), the sand transfer plant has bypassed a total of 1,091,785 cy of material to downdrift beaches. The initial dredging of the sand trap in 2002 placed 69,905 cy on downdrift beaches and subsequent sand trap and ICW maintenance activities in 2008 and 2012 have placed 56,000 and 38,953 cy yards on the beach, respectively. The total of 1,256,653 cy bypassed from 1999 through 2013 produced an average annual bypassing of 89,760 cy, or over 100% of the established bypass objective.

Cost effective alternatives:

Unmet annual bypassing objective using material from within the inlet system N/A

Proposed increase in annual bypassing of material from within the inlet system

Despite the recommendations of the IMP and SBMP, the sand transfer plant can only bypass the material that reaches the updrift jetty. Likewise, the sand trap maintenance dredging can only dredge the material that has actually been deposited in the trap

Local Sponsor Financial and Administrative Commitment

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

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

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 2nd and 3rd 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>

Is funding provided by a third party? **Yes**
 What is the percentage of total project costs provide by the third party? **varies**
 Please provide a copy of the cost sharing agreement. **Interlocal agreements attached**

Quarterly Report Compliance:

2012-2013	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	10/31/2012	10/30/2012	Yes
Qtr 2 (Oct-Dec)	01/31/2013	01/29/2013	Yes
Qtr 3 (Jan-Mar)	04/30/2013	04/30/2013	Yes
Qtr 4 (Apr-Jun)	7/31/2013	7/30/2013	Yes

Are there active federal and state permits for the project? **Yes**
 Have local funds been secured for the project? **Yes**
 Explain: The project is in the 2014 Department Capital budget (attached)

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

- Support from the Sponsor for the Proposed Project
- Willingness to serve as the Local Sponsor
- Ability to provide the full Local Cost Share
- And the source of the funding

The resolution will be signed by the Board of County Commissioners at their regular meeting on September 10, 2013. An unsigned copy of the resolution is a part of the application package and the signed resolution will be uploaded to the Departments website as soon as it is available.

Previous State Commitment:

Has the Department previously cost shared, reviewed, and approved a feasibility or design phase for this project? **Yes**

The management plan for the project and annual monitoring was funded by the state and the project is included in the Strategic Beach Management Plan. The initial phase of sand trap development & restoration of the sand transfer plant was funded by the state. The funding appropriation for the SLWI jetty restoration was confirmed by the legislature on July 17, 2007. The original grant for this project (99PB1) has been extended several times and expired on December 31, 2010. Funding agreement #11PB1 which funds Engineering, construction, and monitoring for the sand trap dredging project was signed by the Palm Beach County Board of County Commissioners on June 21, 2011 and executed by the Bureau of Beaches and Coastal Systems on June 27, 2011.

Previous State Cost Share percentage **75%**

Will this project enhance or increase the longevity of a previously-constructed project? How? (Not applicable to dune projects) **N/A**

Will this project nourish a previously restored shoreline? (Full beach nourishment. Dune-only projects do not qualify.) N/A

Has previous funding been released by the local sponsor due to project timelines? No

Inlet management plans:

Does the project have an existing Inlet Management Plan or completed Inlet Management Study accepted by the Department that defines the sediment budget, quantifies the volumetric bypassing objective and contains specific management strategies? Yes

Has the Department received and approved an update to an existing Inlet Management Plan in the form of a current inlet management study/sediment budget analysis within the previous 10 years or does the project propose to conduct an update to an existing inlet management plan? Yes -- updated 2004

Does the project propose to develop a new inlet management study to be submitted to the Department for adoption of an Inlet Management Plan? No

Enhanced project performance: The increased nourishment interval shall be estimated by the annual bypassing volume divided by the annual beach nourishment volume needed by a beach project within the area of inlet influence multiplied by 5 for a total of 5 points.

Availability of Federal Funds:

Is the project Federally authorized by WRDA? No
Please 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. No
Federal cost share percentage available for this project: N/A
Is this project funded through FEMA for storm repairs? No
Provide a copy of the signed Project Worksheet. N/A

Attachments:

1. Project map, including project boundaries, public beach access and parking
2. Sand bypass records for sand transfer plant and sand trap dredging
3. MPP timeline

FY 2014-15 Local Government Funding Request

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 next scheduled renourishment of this beach is planned for Nov 2013. The US Army Corps of Engineers is constructing the next planned nourishment.

The borrow area for this project is located just offshore of the fill area. This allows the project to be constructed with a hydraulic dredge and shortens the construction time.

Use of Requested Program Funds:

The requested funding will be used post-construction biological and physical monitoring (aerial surveys and regional (profiles and hydrographic) monitoring) required by DEP permit.

Local Government Support

Does this sponsor have dedicated support staff whose sole priority is to manage beach erosion control activities? **YES**

Name	Title	Email
Tracy Logue	Coastal Geologist	TLogue@Pbcgov.org
Address:	2300 N. Jog Rd, 4 th Fl	Phone: 561-233-2491
	West Palm Beach, FL 33411	Fax: 561-233-2414

Mapping- Maps are provided as attachments.

Maps should be to scale at a minimum of 1"=200'

Mapping elements include:

- Project Boundary with Critically Eroded Shoreline
- Range Monuments
- Beach Access and Parking- Primary and Secondary, including access widths.
- Public Lodging Establishments- locations and length of property boundaries along project shoreline or street frontage.
- Comprehensive Plan/Current Land Use designations of Commercial and Recreational Facilities and associated property boundaries along the project shoreline.

Length of Project Boundary in Feet (total restored length)

7,350'

Eligibility: Access points and public lodging establishments:

Location	Address	R-mon	Type	Width	Units/spaces	Public spaces	Eligible Shoreline
SLWI Park	-	R-151	Secondary	91'	26 parking spaces	26	2731'
Ocean Inlet Park	-	R-152	Primary	725'	126 parking spaces	126	3365'
Ocean Hammock Park	-	R155-156	Secondary	1110'	33 parking spaces	33	1110'
Oceanfront Park	-	R156-157	Primary	1034'	247 parking spaces	247	6314'
Edith Street Access		R-159	Secondary	20'	0	0	20'

Schedule and Budget (includes estimates phases for 10 years and estimated project costs for 5 years):

10-Year Project Schedule and 5-year Estimated Budget

Year	Phase	Description	Total Cost	Federal	State	Local
2014-2015	Monitoring	post const physical, reef, sea turtle, shorebird	\$200,000	\$107,600	\$46,200	\$46,200
2015-2016	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$107,600	\$46,200	\$46,200
2016-2017	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$107,600	\$46,200	\$46,200
2017-2018	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$107,600	\$46,200	\$46,200
	PED	sand search, LRR	\$400,000	\$215,200	\$92,400	\$92,400
2018-2019	Monitoring	post construction physical, reef, sea turtle, shorebird	\$200,000	\$107,600	\$46,200	\$46,200
	PED	LRR, permitting (JCP/COE)	\$100,000	\$53,800	\$23,100	\$23,100
2019-2020	Monitoring	pre construction physical, reef, sea turtle, shorebird				
	PED	Permitting (JCP, COE)				
2020-2021	Monitoring	pre construction physical, reef, sea turtle, shorebird				
	Construction	dredge and fill				
2021-2022	Monitoring	post construction physical, reef, sea turtle, shorebird				
2022-2023	Monitoring	post construction physical, reef, sea turtle, shorebird				
2023-2024	Monitoring	post construction physical, reef, sea turtle, shorebird				

Severity of Erosion: The entire project area is designated as critically eroded by the Department of Environmental Protection. The Department most recently calculated the historical erosion rate as -1.26 ft/yr.

Threat to Upland Structures

Criterion will be calculated by the Department. Please provide narrative and any data that should be considered in addition to the Department's database.

Points for this category are only awarded to new projects on shorelines that have not been restored.

Recreational and Economic Benefit: The percentage of linear footage of properties within the project boundaries zoned commercial, recreational, or Public Lodging Establishment, or the equivalent, in the current local government land use map **29%**

Availability of Federal Funds:

Is the project Federally authorized by WRDA? **Yes**
 Provide date of authorization expiration. **2039**
 Does this project phase have a Federal Project Cooperative Agreement, or similar for the current phase? **Yes Attached**
 Provide a copy of the document. **Yes Attached**
 Federal cost share percentage available for this project: **53.8%**
 Is this project funded through FEMA for storm repairs? **No**
 Provide a copy of the signed Project Worksheet. **N/A**

Local Sponsor Financial and Administrative Commitment

Is funding for the project in the local sponsor's 10-year comprehensive financial plan? **Yes**

Please provide copy or web link to the plan.

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

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 2nd and 3rd 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>

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:

This project does not currently have a funding contract, so no quarterly reports have been required. However, Palm Beach County has been compliant with all funding contracts for the past year

2012-2013	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	10/31/2012	10/30/2012	Yes
Qtr 2 (Oct-Dec)	01/31/2013	01/29/2013	Yes
Qtr 3 (Jan-Mar)	04/30/2013	04/30/2013	Yes
Qtr 4 (Apr-Jun)	7/31/2013	7/30/2013	Yes

Are there active federal and state permits for the project? **Yes – in progress, should be issued by date of request submittal**

Have local funds been secured for the project? **Yes**
 Explain: The project is in the 2014 Department Capital budget (attached)

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

- Support from the Sponsor for the Proposed Project
- Willingness to serve as the Local Sponsor
- Ability to provide the full Local Cost Share
- And the source of the funding

The resolution will be signed by the Board of County Commissioners at their regular meeting on September 10, 2013. An unsigned copy of the resolution is a part of the application package and the signed resolution will be uploaded to the Departments website as soon as it is available.

Previous State Commitment:

Has the Department previously cost shared, reviewed, and approved a feasibility or design phase for this project? **Yes**

Previous State Cost Share percentage **50% of non-Federal Share**

Will this project enhance or increase the longevity of a previously-constructed project? How? **Yes.**
 (Not applicable to dune projects)

Rebuilding of the sand transfer plant and adjustment of the T-head groins should provide increased littoral drift to the project area located downdrift of the transfer plant discharge.

Will this project nourish a previously restored shoreline? (Full beach nourishment. Dune-only projects do not qualify.) **Yes**

Project Performance:

Nourishment Interval (Years): **6**

Mitigation of Inlet Effects: **Yes**

The project mitigates for adverse impacts of the inlet by providing 100% of the bypass quantity proposed in the inlet management plan. The fill provides the sand needed to maintain the downdrift beaches in Gulfstream with minimal impacts to local nearshore habitat. The project is designed to improve cost effectiveness by using groins, a bypass plant, and periodic dredging of areas within Lake Worth Lagoon.

Criterion is calculated by the Department. Please provide any supplemental information that may assist in determining if the project is located with the area of inlet influence and provides supplemental nourishment for an inlet that is not balancing its sediment budget as defined by the Inlet Management Plan or Strategic Beach Management Plan.

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.
N/A _____

Significance:

- Length of Project 7,350'
- Is project entering construction phase? Yes
- Percentage of shoreline zones commercial, recreational, or lodging 29%
- 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? 100%
- Has the project eroded into the design template? Yes
- What is the proposed placement volume? 600,000 cy

Attachments:

1. Project map, including project boundaries, public beach access and parking
2. MPP timeline
3. Project Budget