

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2012	2013	2014	2015	2016
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 \$4,921,169 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: JP

III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Administrator Comments:

OFMB 8/21/12 CE 8/21/12 8/24/12
 Contract Administrator *Dr. J. Jacobson*

B. Legal Sufficiency:
[Signature]
 Assistant County Attorney

C. Other Department Review:

 Department Director

1 RESOLUTION NO. 2012- _____
2
3
4

5 A RESOLUTION OF THE BOARD OF COUNTY
6 COMMISSIONERS OF PALM BEACH COUNTY,
7 FLORIDA, REQUESTING THE STATE OF FLORIDA DEPARTMENT OF
8 ENVIRONMENTAL PROTECTION TO SUPPORT APPROPRIATION OF
9 FUNDS WITHIN THE BEACH EROSION CONTROL ASSISTANCE
10 PROGRAM FOR FISCAL YEAR 2013-14.
11

12
13 WHEREAS, the Board of County Commissioners of Palm Beach County, Florida, is
14 committed to a program of coastal restoration and preservation; and

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

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

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

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

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

26 WHEREAS, the Bureau of Beaches and Coastal Systems is preparing their Beach
27 Erosion Control Long-Range Budget Plan to develop the Fiscal Year 2013-14 prioritized list
28 of beach erosion control projects; and

29 WHEREAS, the public work projects listed below are eligible within the State of
30 Florida's Beach Erosion Control Assistance Program under the provisions of Section
31 161.101, Florida Statutes

32 WHEREAS, The County is requesting that the State appropriate \$270,000 for the
33 Coral Cove Park Dune Restoration, \$2,525,609 for the Jupiter/Carlin Shore Protection
34 Project, \$125,000 for the Juno Beach Shore Protection Project, \$79,890 for the Singer Island
35 Shore Protection Project, \$390,000 for the Central Palm Beach County Erosion Control
36 Project, \$648,750 for the South Lake Worth Inlet Management Plan, and \$1,894,200 for the

1 Ocean 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 Commissioner Shelley Vana, Chair _____

12 Commissioner Steven L. Abrams, Vice Chair _____

13 Commissioner Karen T. Marcus _____

14 Commissioner Paulette Burdick _____

15 Commissioner Burt Aaronson _____

16 Commissioner Jess R. Santamaria _____

17 Commissioner Priscilla A. Taylor _____

18 The Chairman 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  _____
28 Assistant County Attorney

By _____
Deputy Clerk

29

FY 2013-14 Local Government Funding Request

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 this past winter (2011/2012), threatening safe public access and damaging dune crossovers. A dune repair and planting project is scheduled for winter 2012/2013. Design and permitting work for this project is underway.

Use of Requested Program Funds:

Funds requested for FY 2013-14 will be used to reimburse eligible expenses incurred during the planning, design, construction and monitoring of this 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 Support

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

Name	Title	Email	% Commitment
Reubin Bishop	Environmental Analyst	RBishop@Pbcgov.org	100%
Address:	2300 N. Jog Rd, 4 th Fl	Phone:	561-233-2419
	West Palm Beach, FL 33411	Fax:	561-233-2414

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

2011-2012	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	Oct 30, 2011	Oct 27, 2011	Yes
Qtr 2 (Oct-Dec)	Jan 30, 2012	Jan 27, 2012	Yes
Qtr 3 (Jan-Mar)	April 30, 2012	April 27, 2012	Yes
Qtr 4 (Apr-Jun)	July 30, 2012	July 27, 2012	Yes

How will revenue for the local funding cost share be established?

A long-range budget plan and dedicated funding sources are in place. Shoreline protection activities are funded by Tourist Development Taxes as mandated by County ordinance.

Is the funding from a dedicated long-term source for this project?

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."

Has the local sponsor resolution been attached to the application fulfilling these requirements?

- Support from the sponsor for the proposed project(s)
- Willingness to serve as the local sponsor

- Ability to provide the full local cost share
- Funding source

Yes

Has the State cost-shared in a feasibility or design phase of this project? Yes

The project is recommended in the Department’s Strategic Beach Management Plan and is located in an area designated as critically eroded in this Plan. The initial dune restoration project in 1993 was cost-shared by the State.

Previous State Cost Share Percentage: 50%

10-Year Project Schedule and 5-year Estimated Budget

Does this project have Congressional Authorization? No

Does this project have a Federal Project Cooperative Agreement? No
The current PCA is expired.

What is the end date of the Federal Authorization? N/A

What is the Federal cost share available for this erosion control project? N/A

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

Year	Phase	Description	Total Cost	State	Local
2013-2014	Construction	truckhaul fill	\$500,000	\$250,000	\$250,000
	Monitoring	pre/post const physical, reef, sea turtle, shorebird	\$40,000	\$20,000	\$20,000
2014-2015	Monitoring	post construction 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, aerals	\$10,000	\$5,000	\$5,000
2017-2018	Monitoring	post construction physical, aerals	\$10,000	\$5,000	\$5,000
2018-2019	Monitoring	post construction physical, aerals			
2019-2020	Monitoring	post construction physical, aerals			
2020-2021	Monitoring	post construction physical, aerals			
2021-2022	Monitoring	post construction physical, aerals			
2022-2023	Monitoring	post construction physical, aerals			

Mapping: Maps are provided as attachments.

What is the length of the project boundary in feet? 4500'

Project length within 1/2 mile of primary public beach access 4500'

Length of Project Shoreline zoned commercial/recreational 3000'

What is the percentage of project shoreline designated as commercial or recreational property? 67%

Current contract eligibility: 100%

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'

Additional Ranking Criteria

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

How? Dunes have been constructed in this area twice previously. The majority of the dunes remain in adequate condition, however, major repair and planning is needed in some areas.

Will this project nourish a previously restored shoreline? Yes

What is the rate of erosion as determined by the Bureau (ft/yr)? 1.9

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 to be 1.9 ft/yr (Aug 1996 GDM).

Project Benefits: The project is designed to provide long-term storm protection, retain sand within the coastal system, aesthetically enhance the area, and provide habitat for endangered plant and animal species. The beach is publicly accessible in an area heavily utilized by both the local population and visitors. Hurricane evacuation routes in the project area include Route A1A which runs N-S along the entire project area and is less than 20' from the dune crest in some sections. Threatened and endangered marine turtles utilize the entire project area for nesting, and this beach currently has one of the highest densities of nests in the State, however this beach is not a designated marine turtle refuge.

Nourishment Interval (years): 6-8

Project Performance: The original project design was based on the GDM & COF. The project provides for greater than 15 year return interval storm protection. The dune within the project limits is stabilized with vegetation and walkovers and provides enhanced shore protection consistent with the natural system.

Is this project being planned or constructed in cooperation with another local government?
No

Explain.

Attachments:

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

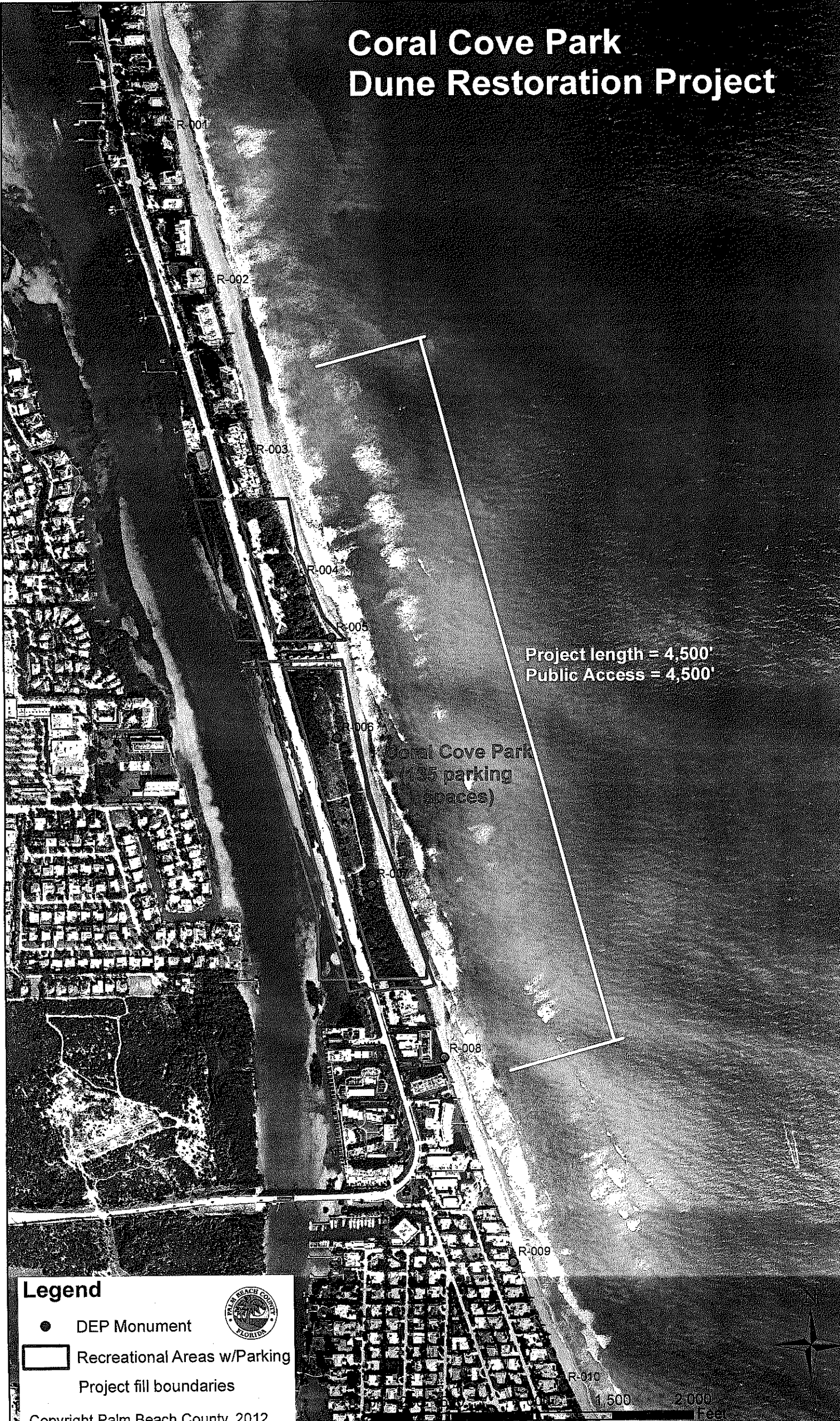
Project: Coral Cove Dune 2012
 Updated: Fri 8/10/12
 Gantt Chart

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Initials
0	Coral Cove Dune 2012	472 days?	Fri 6/1/12	Mon 3/24/14		
1	Plans & Specs	50 days	Fri 6/1/12	Thu 8/9/12		
2	Plans & Specs Complete	50 days	Fri 6/1/12	Thu 8/9/12		
3	CCCL Permit Application	120 days?	Thu 8/9/12	Thu 1/24/13		
4	Prepare Application	5 edays	Thu 8/9/12	Tue 8/14/12	2	
5	Submit Application to FDEP	1 day	Wed 8/15/12	Wed 8/15/12	4	
6	RAI 1	8 days	Thu 9/27/12	Mon 10/8/12	8FS+30 days	
7	RAI 1 Response	1 day?	Tue 10/16/12	Tue 10/16/12	6FS+7 edays	
8	Permit Issued	1 day?	Tue 1/15/13	Tue 1/15/13	7FS+90 edays	
9	NTP Issued	1 day?	Thu 1/24/13	Thu 1/24/13	8FS+8 edays	
10	Work Order (ERM Annual)	48 days	Fri 8/10/12	Tue 10/16/12		
11	Performance Bond (if required)	2.25 days	Fri 8/10/12	Tue 8/14/12		
12	Prepare/Send Construction Bond Request	0.25 days	Fri 8/10/12	Fri 8/10/12	2	oms
13	Receive Construction Bond	0 days	Fri 8/10/12	Fri 8/10/12	12	
14	Review Construction Bond and Send to CDC for Approval	2 days	Fri 8/10/12	Tue 8/14/12	13	JA
15	Receive CDC Approval of Construction Bond	0 days	Tue 8/14/12	Tue 8/14/12	14	
16	Prepare Work Order	2 days	Mon 8/27/12	Tue 8/28/12	2,8FS+10 edays	pm
17	ERM Admin Approve Work Order	2 days	Wed 8/29/12	Thu 8/30/12	16	DB,REW,sn,JA
18	Contractor Receives Work Order	0 days	Fri 8/31/12	Fri 8/31/12	17FS+1 day	
19	Receive Work Order with Contractor Signature	0 days	Fri 9/14/12	Fri 9/14/12	18FS+14 edays	
20	REW Signs Work Order	0.5 days	Mon 9/17/12	Mon 9/17/12	19	pm,REW
21	BCC Approval (if required)	33 days	Fri 8/31/12	Tue 10/16/12		
22	Prepare Agenda Item	5 days	Fri 8/31/12	Thu 9/6/12	17	pm,JA
23	Review Agenda Item	1 day	Fri 9/7/12	Fri 9/7/12	22	DB,JA,pm,SI,REW,LP
24	Copy and Send Agenda Item & Work Order	1 day	Mon 9/17/12	Mon 9/17/12	19,23	stu,sec
25	OFMB Receives Agenda Item	0 days	Mon 9/17/12	Mon 9/17/12	24,15	
26	BCC Meeting - Work Order Approved	1 day	Tue 10/16/12	Tue 10/16/12	25FS+28 edays	
27	Construction	92 days	Thu 10/18/12	Sun 2/24/13		
28	Pre-Construction Meeting	0.5 days	Thu 10/18/12	Thu 10/18/12	26FS+1 day,20FS	pm,DB,JA,oms
29	Receive Submissions From Contractor	0 days	Thu 11/1/12	Thu 11/1/12	28FS+14 edays	
30	Review Submissions/Prepare And Send NTP	2 days	Thu 11/1/12	Mon 11/5/12	29	pm,DB,JA,sh
31	Notice To Proceed	0 days	Mon 11/5/12	Mon 11/5/12	30	
32	Commencement	0 days	Thu 11/15/12	Thu 11/15/12	31FS+10 edays	
33	Construction	20 edays	Thu 1/24/13	Wed 2/13/13	32,9	pm
34	Dune Planting	10 edays	Thu 2/14/13	Sun 2/24/13	33FS+1 eday	
35	Contract Administration	332.5 days	Thu 12/13/12	Mon 3/24/14		
36	Invoice Processing	103.75 days	Thu 12/13/12	Wed 5/8/13		
37	Invoice 1	19.5 days	Thu 12/13/12	Wed 1/9/13		

Project: Coral Cove Dune 2012
 Updated: Fri 8/10/12
 Gantt Chart

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Initials
48	Invoice 2	23.75 days	Thu 1/10/13	Wed 2/13/13		
59	Invoice 3	23.75 days	Thu 2/7/13	Wed 3/13/13		
70	Invoice 4	23.75 days	Thu 3/7/13	Wed 4/10/13		
81	Invoice 5	23.75 days	Thu 4/4/13	Wed 5/8/13		
92	Work Order Closeout	288 days	Wed 2/13/13	Mon 3/24/14		
93	Substantial Completion	0 days	Wed 2/13/13	Wed 2/13/13	33	
94	Inspection, Prepare Punchlist, Cert of Substantial C	5 days	Thu 2/14/13	Wed 2/20/13	93	pm
95	Review and Send Punchlist and Cert of Substantial	2 days	Thu 2/21/13	Fri 2/22/13	93FF,94	DB,JA,cms
96	Approve Signed Cert of Subst Completion.	0.5 days	Mon 3/4/13	Mon 3/4/13	95FS+5 days	REW
97	Contractor Completes Punchlist	20 days	Mon 2/25/13	Fri 3/22/13	95	pm
98	Final Completion	0 days	Fri 3/22/13	Fri 3/22/13	97	
99	Receive Final Invoice from Contractor	0 days	Fri 3/22/13	Fri 3/22/13	98	
100	Initial FSS Invoice Processing	1 day	Mon 3/25/13	Mon 3/25/13	99	DM
101	Prepare Closeout Documents	3 days	Mon 3/4/13	Thu 3/7/13	96	pm
102	Complete Closeout Documents	4 days	Tue 3/26/13	Fri 3/29/13	100,101	pm
103	Review and Send Closeout Docs to Contractor	3 days	Mon 4/1/13	Wed 4/3/13	102	LP,JA,cms,sh
104	Review Completed Closeout Docs & Final Invoice	2 days	Thu 4/11/13	Fri 4/12/13	103FS+5 days	JA,DB,REW,LP,pm
105	CRC Meeting - Work Order Closeout	0.5 days	Wed 4/17/13	Wed 4/17/13	104	pm
106	Final Invoice - FSS Processing & REW Approval	2 days	Wed 4/17/13	Fri 4/19/13	105	DM,REW
107	Clerk Receives Invoice	0 days	Fri 4/19/13	Fri 4/19/13	106	
108	Final Check Mailed	0 days	Fri 5/3/13	Fri 5/3/13	107FS+10 days	
109	Receive Final SBE Schedules from Contractor	0 days	Fri 5/31/13	Fri 5/31/13	108FS+20 days	
110	Guarantee	21 days	Mon 2/24/14	Mon 3/24/14		
111	Inspection for Guarantee	1 day	Mon 2/24/14	Mon 2/24/14	114FS-20 days	pm
112	Prepare Notification of Guarantee Completion	2 days	Tue 2/25/14	Wed 2/26/14	111	pm
113	Admin Review Notification of Guarantee	2 days	Thu 2/27/14	Fri 2/28/14	112	sh,JA,DB,REW
114	Guarantee Time Complete	0 days	Sat 3/22/14	Sat 3/22/14	98FS+365 edays	
115	Send Guarantee Notification to Contractor	1 day	Mon 3/24/14	Mon 3/24/14	113,114	pm

Coral Cove Park Dune Restoration Project



R-001

R-002

R-003

R-004

R-005

R-006

R-008

R-009

R-010

Project length = 4,500'
Public Access = 4,500'

Coral Cove Park
(35 parking spaces)

Legend

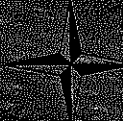
● DEP Monument

▭ Recreational Areas w/Parking
Project fill boundaries



Copyright Palm Beach County, 2012

1,500 2,000 Feet



FY 2013-14 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 was originally planned for winter 2010/2011, however budgetary constraints and Federal reporting requirements have pushed this back to November 2013. Design and permitting work for this renourishment is underway.

There are several borrow areas being considered for this project. The primary borrow area 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 will help with the selection of additional borrow areas, should the Singer Island site prove to be inadequate, or not have enough sand to complete the project.

A dune restoration project was completed on this beach in February of 2012. This project, consisting of nearly 50,000 tons of sand and over 120,000 native dune plants was necessary to maintain sea turtle nesting habitat and protection of upland structures on this eroded beach.

Use of Requested Program Funds:

Funds requested for FY 2013-14 are requested to complete project permitting (including the additional borrow area investigation), and for construction of the beach fill. Funds will also be used to reimburse eligible expenses incurred during the planning, design, construction and monitoring of the dune restoration project completed in early 2012. 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 one year of pre-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 Support

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

YES

Name	Title	Email	% Commitment
Kimberly Miranda	Sr. Env. Analyst	KMiranda@Pbcgov.org	100%
Address:	2300 N. Jog Rd, 4 th Fl	Phone:	561-233-2465
	West Palm Beach, FL 33411	Fax:	561-233-2414

Quarterly Report Compliance:

There is no current cost share agreement for this project, however, past reports have been submitted on time and Palm Beach County continues to be compliant with our other funding agreements.

2011-2012	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	Oct 30, 2011	Oct 27, 2011	Yes
Qtr 2 (Oct-Dec)	Jan 30, 2012	Jan 27, 2012	Yes
Qtr 3 (Jan-Mar)	April 30, 2012	April 27, 2012	Yes
Qtr 4 (Apr-Jun)	July 30, 2012	July 27, 2012	Yes

How will revenue for the local funding cost share be established?

A long-range budget plan and dedicated funding sources are in place. Shoreline protection activities are funded by Tourist Development Taxes as mandated by County ordinance.

Is the funding from a dedicated long-term source for this project?

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.”

Has the local sponsor resolution been attached to the application fulfilling these requirements?

- Support from the sponsor for the proposed project(s)
- Willingness to serve as the local sponsor
- Ability to provide the full local cost share
- Funding source

Yes

Has the State cost-shared in a feasibility or design phase of this project?

Yes

Both previous nourishments of this project and the 2007 emergency dune restoration were funded by the state. The project is recommended in the Department’s Strategic Beach Management Plan and is located in an area designated as critically eroded in this Plan. Emergency dune restoration as a result of impacts due to Sub-Tropical Storm Andrea was cost-shared through DEP funding agreement #07PB2. DEP grant agreement #09PB1 most recently funded Design and Permitting on the renourishment of this project, however the funds encumbered for this agreement have been exhausted.

Previous State Cost Share Percentage:

50% of non-federal costs

10-Year Project Schedule and 5-year Estimated Budget

Does this project have Congressional Authorization? Yes

The project was authorized in 1962, WRDA 1986 & WRDA 1996. A PCA for nourishment was signed on March 15, 1995. The project currently has a Federal cost share of 54%. The sponsor is seeking approval for federal participation in design & construction of the next scheduled renourishment, and a Section 934 report is being prepared to this effect.

Does this project have a Federal Project Cooperative Agreement? Yes

The current PCA is being updated.

What is the end date of the Federal Authorization? 2039

What is the Federal cost share available for this erosion control project? 54.71%

(Only the Federally Authorized Shore Protection Project is cost-shared. The dune restoration portion of this project is not included in the Federal Authorization)

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

Year	Phase	Description	Total Cost	Federal	State	Local
2013-2014	Dune	Dune Restoration	\$1,261,804	\$0	\$630,902	\$630,902
	PED	design/permitting	\$500,000	\$273,550	\$113,225	\$113,225
	Construction	dredge and fill	\$7,500,000	\$4,103,250	\$1,698,375	\$1,698,375
	Monitoring	pre/post const physical, reef, sea turtle, shorebird	\$367,000	\$200,786	\$83,107	\$83,107
2014-2015	Monitoring	post construction physical, reef, sea turtle, shorebird	\$215,000	\$117,627	\$48,687	\$48,687
2015-2016	Monitoring	post construction physical, reef, sea turtle, shorebird	\$215,000	\$117,627	\$48,687	\$48,687
2016-2017	Monitoring	post construction physical, reef, sea turtle, shorebird	\$215,000	\$117,627	\$48,687	\$48,687
2017-2018	Monitoring	post construction physical, reef, sea turtle, shorebird	\$215,000	\$117,627	\$48,687	\$48,687
2018-2019	Monitoring	post construction physical, reef, sea turtle, shorebird				
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				

Mapping: Maps are provided as attachments.

What is the length of the project boundary in feet? 5560'

Project length within ½ mile of primary public beach access 5560'

Length of Project Shoreline zoned commercial/recreational 4009'

What is the percentage of project shoreline designated as commercial or recreational property? 72%

Current contract eligibility: 100%

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'

Public lodging license documentation as provided by the FL Department of Business and Professional Regulation is attached.

Additional Ranking Criteria

Will this project enhance or increase the longevity of a previously constructed project?
No
 How?

Will this project nourish a previously restored shoreline? Yes

What is the rate of erosion as determined by the Bureau (ft/yr)? 1.9

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 to be 1.9 ft/yr (Aug 1996 GDM). However, based on increasing erosional trends and the development of a "hot spot" in Jupiter Beach Park, this will be recalculated as part of the 934 economic feasibility study. Over 30% of the project area includes habitable structures, including one hotel and one condominium. 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.

Project Benefits: The project is designed to provide long-term storm protection, retain sand within the coastal system, aesthetically enhance the area, and provide habitat for endangered plant and animal species. The beach is publicly accessible in an area heavily utilized by both the local population and visitors. Approximately 65% of the project area lies within two county parks. The Jupiter Beach Resort, with 159 guest rooms, fronts 8% of the project length. Hurricane evacuation routes in the project area include Route A1A which runs N-S along the entire project area and is less than 20' from the dune crest in some sections, and Indiantown Road which runs E-W and is centrally located within the project area. Threatened and endangered marine turtles utilize the entire project area for nesting, however this beach is not a designated marine turtle refuge. The dune in Carlin Park provides habitat for one of the few remaining

colonies of endangered Beach Jacquemontia (*Jacquemontia reclinata*) in Palm Beach County. The attached map identifies public beach access points with associated parking spaces, as well as the location of the Beach Jacquemontia colony.

Innovative Applications: A feasibility study is underway to provide options to extend the required nourishment intervals and address a “hot spot” in the north end of the project area. Extending the nourishment interval will minimize the environmental impacts from maintaining the beach, especially in an area of high sea turtle nesting densities.

Nourishment Interval (years):

6-8

Project Performance: The original project design was based on the GDM & EIS. The project provides for greater than 15 year return interval storm protection. The dune within the project limits is stabilized with vegetation and walkovers and provides enhanced shore protection consistent with the natural system.

The majority of the project area is holding up beyond the estimated seven-year lifespan, and will not be renourished until at least 2013 (eleven years after 1st renourishment).

Is this project being planned or constructed in cooperation with another local government?

Yes

Explain.

The Jupiter Inlet District and the Florida Inland Navigation District utilize this project’s beach fill template for disposal of beach quality fill dredged from sand traps located within the Jupiter Inlet and AICW. Palm Beach County has agreements in place with both of these agencies to work together to fulfill monitoring requirements for all of the area projects including sea turtle, shorebird, and fill performance monitoring.

Attachments:

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

4:00:38 PM 8/6/2012

Licensee Details

Licensee Information

Name: **OPROCK JUPITER FEE LLC OPROCK JUPITER TRS LLC (Primary Name)**
JUPITER BEACH RESORT (DBA Name)

Main Address: **1000 MARKET ST BLDG 1**
PORTSMOUTH New Hampshire 03801

County: **OUT OF STATE**

License Mailing: **1000 MARKET ST BLDG 1**
PORTSMOUTH NH 03801

County: **OUT OF STATE**

LicenseLocation: **5 N A1A**
JUPITER FL 33477

County: **PALM BEACH**

License Information

License Type: **Motel**

Rank: **Motel**

License Number: **MOT6003850**

Status: **Current,Active**

Licensure Date: **10/31/2007**

Expires: **12/01/2012**

Special Qualifications **Qualification Effective**

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Jupiter Carlin 2nd Beach Renourishment

Gantt Chart

Last Updated: Tue 8/14/12

ID	Task Name	Duration	Start	Finish	Predecessors
0	Jupiter Carlin 2nd Beach Renourishment	2462 days	Mon 6/25/07	Wed 2/22/17	
1	Funding	1668 days	Tue 9/4/07	Fri 4/18/14	
2	FDEP FUNDING Coordination	291 days	Mon 8/16/08	Fri 8/14/09	
8	Federal FUNDING Coordination	1668 days	Tue 9/4/07	Fri 4/18/14	
9	Federal Funding Coordination - Congress	0 days	Wed 5/20/09	Wed 5/20/09	
11	Federal Funding Coordination - USACE	1668 days	Tue 9/4/07	Fri 4/18/14	
12	Letter sent to USACE requesting PPA updating	1 day	Tue 9/4/07	Tue 9/4/07	
13	USACE informs County that GRR is required	1 day	Thu 3/13/08	Thu 3/13/08	
14	County sends letter to the USACE requesting that the GRR be reconsidered	1 day	Thu 5/22/08	Thu 5/22/08	
15	USACE sends confirmation that a Section 934 Report can be completed	21 days	Mon 5/26/08	Tue 6/24/08	
16	County & USACE conference call to discuss Section 934 Report	1 day	Wed 7/2/08	Wed 7/2/08	
17	County provides project timeline & SHPO documents to ACOE Jacksonville Office	1 day	Thu 7/3/08	Thu 7/3/08	
18	USACE Conference Calls	683.13 days	Tue 7/22/08	Tue 4/19/11	
58	Decision Document/934	1433 days	Wed 8/25/08	Tue 3/4/14	
57	SAJ Confirms Sec. 934 Report Should be Prepared	0 days	Wed 8/25/08	Wed 8/25/08	
58	Sponsor Requests for Consideration that SDM be Utilized	78 days	Tue 8/5/08	Tue 11/25/08	
59	Sponsor sends letter requesting use of SDM to SAJ	0 days	Wed 12/24/08	Wed 12/24/08	
60	SAJ sends Interim Response to 12/24/08 letter	16 days	Wed 12/24/08	Tue 1/20/09	
61	SAJ provides email to sponsor that Beach-fx has been certified	0 days	Wed 4/29/09	Wed 4/29/09	
62	SAD provides Letter to Sponsor regarding use of Beach fx	69 days	Tue 1/20/09	Tue 5/26/09	
63	Consultant Task Order for 934	1189 days	Thu 7/3/08	Thu 4/4/13	
64	Develop DRAFT Section 934 Scope of Work (SOW)	45 days	Thu 7/3/08	Fri 8/6/08	
65	ERM review DRAFT Section 934 SOW	32 days	Tue 8/5/08	Thu 10/23/08	64
66	Review & Approval of draft SOW by FDEP	4 days	Wed 8/24/08	Mon 9/29/08	
67	Review of Draft SOW by SAJ	41 days	Thu 10/2/08	Wed 12/3/08	
68	FINAL Section 934 SOW received	0 days	Tue 7/13/09	Tue 7/13/09	67
69	BCC approval	0 days	Tue 2/24/09	Tue 2/24/09	68
70	Develop SOW for Beach - fx	1032 days	Tue 2/24/09	Thu 4/4/13	
71	Consultant provides draft change order (beach-fx)	0 days	Tue 8/2/09	Tue 8/2/09	
72	County provides draft change order to ACOE & FDEP staff	1 day	Thu 8/18/09	Thu 8/18/09	71
73	County provides comment to consultant	16 days	Tue 8/2/09	Tue 8/23/09	
74	ACOE provides comment	32 days	Thu 8/18/09	Mon 7/20/09	
75	FDEP provides comment	40 days	Fri 8/19/09	Wed 7/29/09	
76	Updated DRAFT incorporating agency comments to ERM	15 days	Thu 7/30/09	Wed 8/19/09	75
77	Board Item Completed	7 days	Thu 8/20/09	Fri 8/28/09	76
78	Change Order Approved by BCC	0 days	Tue 10/6/09	Tue 10/6/09	
79	934 Task Order Deliverables	1032 days	Tue 2/24/09	Thu 4/4/13	
80	Task 1 - Collect, Assemble & review Data	158 days	Tue 2/24/09	Tue 10/6/09	
81	Task 2 - Real Estate Assessment & Analysis	240 days	Tue 2/24/09	Tue 2/9/10	
82	Task 3 - Engineering Data Collection & Analysis	361 days	Tue 2/24/09	Mon 8/2/10	
83	Task 4 - Economic Evaluation	361 days	Tue 2/24/09	Mon 8/2/10	
84	Task 5 - Environmental Evaluation	198 days	Tue 2/24/09	Mon 12/7/09	
85	Task 6 - Geotechnical Evaluation	171 days	Tue 2/24/09	Mon 10/26/09	
86	Task 7 - Report Preparation	543 days	Mon 9/13/10	Thu 4/4/13	
87	First draft provided to sponsor	1 day	Mon 9/13/10	Mon 9/13/10	
88	Second Draft provided to Sponsor	1 day	Mon 11/28/12	Mon 11/28/12	87FS+800 edays
89	DRAFT provided to SAJ	1 day	Tue 11/27/12	Tue 11/27/12	88
90	Third draft provided (after ATR review)	1 day	Tue 3/6/13	Tue 3/6/13	116
91	Fourth draft provided (after SAD Policy Review Comments)	30 days	Tue 3/6/13	Thu 4/4/13	90
92	Task 8 - Coordination	701 days	Tue 2/24/09	Wed 12/7/11	79
93	Task 9 Wave & Storm Surge Data Analyses	161 days	Tue 10/6/09	Tue 6/1/10	89
94	Task 10 Coastal Processes Analyses	197 days	Tue 10/6/09	Thu 7/22/10	78
95	Task 11 Economic Analyses	194 days	Tue 10/6/09	Mon 7/19/10	78
96	Task 12 Beach Management Measures	173 days	Tue 10/6/09	Thu 9/17/10	78
97	Task 13 Beach -fx Simulations	213 days	Mon 10/26/09	Wed 9/1/10	78
98	Task 14 Additional Reporting & Appendices	213 days	Mon 10/26/09	Wed 9/1/10	78
99	Task 15 Additional Coordination including PDT Teleconferences	213 days	Thu 2/25/10	Mon 1/31/11	78
100	USACE Review	1285 days	Mon 2/2/09	Tue 3/4/14	
136	PPA	33 days	Tue 3/4/14	Fri 4/18/14	
141	Engineering & Design (Task Order 8410-05)	1508 days	Mon 6/25/07	Thu 6/27/13	
142	Task Order Preparation	306 days	Mon 6/25/07	Tue 9/9/08	
155	Engineering & Design SOW Deliverables	1202 days	Wed 9/10/08	Thu 6/27/13	154
156	Task 1 Complete - Collect, Assemble, and Review Data; FDEP Meeting	0 days	Tue 3/17/09	Tue 3/17/09	
158	Task 2 - Engineering Design of Beach Restoration	0 days	Mon 8/17/09	Mon 8/17/09	
160	Task 3 - Borrow Area Design	295 days	Mon 8/17/09	Thu 10/21/10	
162	Task 4 Complete - Permit Drawings	295 days	Mon 8/17/09	Thu 10/21/10	
164	Task 5 Complete - Natural Resources Narrative	12.5 days	Mon 8/17/09	Wed 9/2/09	
167	Task 6 JCP Permit Submittal	111 days	Mon 11/29/10	Fri 5/6/11	
168	JCP Application Submitted to FDEP	0 days	Mon 11/29/10	Mon 11/29/10	
169	USACE issues Public Notice	0 days	Wed 4/6/11	Wed 4/6/11	168FS+30 edays
170	Public Notice Comment Period Ends	0 days	Fri 5/6/11	Fri 5/6/11	168FS+30 edays
171	Task 7: Responses to FDEP RAIs	632 days	Wed 12/29/10	Thu 6/27/13	
172	First RAI Received	0 days	Wed 12/29/10	Wed 12/29/10	168FS+30 edays
173	County Files for a one year extension	365 days	Thu 5/26/11	Fri 5/26/12	172
174	County Withdraws Permit	0 days	Tue 5/22/12	Tue 5/22/12	
175	County Resubmits JCP Application	80 days	Fri 5/25/12	Mon 8/20/12	174
176	First RAI Received	0 days	Sun 11/18/12	Sun 11/18/12	175FS+90 edays
177	County Response	30 days	Mon 11/19/12	Fri 1/4/13	176
178	Second RAI Received	0 days	Sun 2/3/13	Sun 2/3/13	177FS+30 edays
179	County Response	30 days	Mon 2/4/13	Fri 3/15/13	178
180	Third RAI Received	1 day	Mon 4/15/13	Mon 4/15/13	179FS+30 edays
181	County Response	20 days	Tue 4/16/13	Mon 5/13/13	180
182	Intent to Issue	15 days	Mon 5/13/13	Tue 5/28/13	181
183	FDEP Issues Permit	30 days	Tue 5/28/13	Thu 6/27/13	182
184	Task 8: Department of Army Permit Application	581 days	Fri 2/11/11	Thu 5/30/13	

Task		Summary		Roll Up Progress		Group By Summary	
Critical Task		Roll Up Task		Split		Deadline	
Progress		Roll Up Critical Task		External Tasks			
Milestone		Roll Up Milestone		Project Summary			

Jupiter Carlin 2nd Beach Renourishment

Gantt Chart

Last Updated: Tue 8/14/12

ID	Task Name	Duration	Start	Finish	Predecessors
185	First RAI Received	0 days	Fri 2/11/11	Fri 2/11/11	188
186	County Response	1 day	Fri 3/11/11	Fri 3/11/11	186FS+27 edays
187	Second RAI Received	1 day	Mon 7/11/11	Mon 7/11/11	186FS+86 edays
188	County Response	1 day	Thu 8/11/11	Thu 8/11/11	187FS+29 edays
189	County Withdraws Permit	1 day	Tue 9/22/12	Tue 9/22/12	
190	County Resubmits JCP Application	62 days	Wed 9/23/12	Mon 8/20/12	189
191	USACE Reissues Public Notice	1 day	Wed 10/3/12	Wed 10/3/12	190FS+30 days
192	First RAI Received	1 day	Wed 1/2/13	Wed 1/2/13	191FS+90 edays
193	County Response	30 days	Thu 1/3/13	Wed 2/13/13	192
194	Second RAI Received	1 day	Mon 3/18/13	Mon 3/18/13	193FS+30 edays
195	County Response	30 days	Tue 3/19/13	Mon 4/29/13	194
196	USACE Issues Permit	1 day	Thu 5/30/13	Thu 5/30/13	195FS+30 edays
197	Task 8: Project Coordination	600 days	Wed 9/10/09	Fri 11/18/11	
199	Federal Permitting	1111 days	Tue 7/22/08	Wed 1/2/13	
200	Singer Island Borrow Area Cultural Resources Survey (CRS)	109 days	Tue 7/22/08	Tue 12/30/08	
212	NEPA Documentation (PENDING REVIEW)	89 days	Mon 8/20/12	Wed 1/2/13	
218	Geotechnical Work	374 days	Wed 10/5/11	Fri 4/5/13	
217	Singer Island Borrow Area Investigation	206 days	Tue 10/25/11	Tue 8/21/12	
218	Vibrocore/Seismic Survey Plan Development	15 days	Tue 10/25/11	Tue 11/15/11	
219	County Review	5 days	Wed 11/16/11	Tue 11/22/11	218
220	Receive De Minimus Permit Exemption	31 days	Thu 12/15/11	Wed 2/1/12	219
221	Collect (8) Vibrocores	1 day	Wed 2/6/12	Wed 2/6/12	220FS+4 days
222	Collect Seismic Survey	1 day	Mon 4/9/12	Mon 4/9/12	220FS+50 edays
223	Analyze Vibrocores & Seismic	20 days	Fri 4/13/12	Thu 5/10/12	
224	Borrow Area Design	10 days	Fri 5/11/12	Thu 6/24/12	223
225	Draft Borrow Area Report	0 days	Mon 7/2/12	Mon 7/2/12	224FS+26 days
228	County Review	12 days	Tue 7/3/12	Thu 7/19/12	225
227	FINAL Borrow Area Report	23 days	Fri 7/20/12	Tue 8/21/12	226
228	Jupiter Inlet Reconnaissance Level Sand Search Investigation	284 days	Wed 10/5/11	Tue 11/27/12	
229	Desktop Study	46 days	Wed 10/5/11	Tue 12/13/11	
230	County Review	15 days	Wed 12/14/11	Fri 1/6/12	229
231	CEM Permitting	240 edays	Mon 1/9/12	Wed 9/5/12	
232	Receive De Minimus Permit Exemption	90 edays	Wed 1/18/12	Tue 4/17/12	230
233	Field Survey	10 days	Wed 9/12/12	Tue 9/25/12	231FS+5 days
234	Collect/Analyze Additional Vibrocores	20 days	Wed 9/12/12	Wed 10/10/12	231FS+5 days
235	Data Review/Reporting & Coordination (Draft Report)	25 days	Thu 10/11/12	Thu 11/15/12	234
236	County Review	3 days	Fri 11/16/12	Tue 11/20/12	235
237	Data Review/Reporting & Coordination (FINAL Report)	2 days	Wed 11/21/12	Mon 11/26/12	236
238	FINAL Report	1 day	Tue 11/27/12	Tue 11/27/12	237
239	Jupiter Inlet Detailed Level Sand Search Investigation	90 days	Wed 11/28/12	Fri 4/5/13	
249	Plans & Specs	55 days	Mon 1/7/13	Fri 3/22/13	
250	Preliminary DRAFT Plans & Specs	30 days	Mon 1/7/13	Fri 2/15/13	177
251	DEP Review & Approval	30 edays	Fri 2/15/13	Sun 3/17/13	250
252	Final Plans & Specs	5 days	Mon 3/18/13	Fri 3/22/13	251
253	Construction Contract (Invitation For Bid)	68 days	Fri 6/28/13	Tue 10/1/13	
254	Meeting to Discuss Bid Process	0.5 days	Fri 6/28/13	Fri 6/28/13	183
255	Prepares Contract Book, Bid Documents, Ads	5 days	Fri 6/28/13	Fri 7/5/13	254
256	ERM Admin Approves Contract Book, Bid Documents, Ads	2 days	Fri 7/5/13	Tue 7/9/13	255
257	Send IFB Ad to Palm Beach Post	0.5 days	Wed 7/10/13	Wed 7/10/13	256
258	IFB Advertised to Public (Bidding Time Begins)	0 days	Sun 7/14/13	Sun 7/14/13	257FS+1 day
259	Manage Sale of Bid Documents and Addenda	20 days	Mon 7/15/13	Fri 8/9/13	258
260	Pre-bid Meeting (Mandatory or Optional)	1 day	Tue 7/23/13	Tue 7/23/13	258FS+8 edays
261	Pre-bid Site Visit	0.5 days	Tue 7/23/13	Tue 7/23/13	258FS+8 edays
262	Receive Bids and Bid Opening (Bidding Time Ends)	0.5 days	Mon 8/12/13	Mon 8/12/13	259,260,261
263	Evaluate Bids (Contract)	8 days	Mon 8/12/13	Thu 8/22/13	262
264	Evaluate Bids (Technical)	8 days	Mon 8/12/13	Thu 8/22/13	262
265	Send Bid Info to OSSA for Approval	0.25 days	Mon 8/12/13	Mon 8/12/13	262
266	Receive OSSA Approval	0 days	Thu 8/22/13	Thu 8/22/13	265FS+8 days
267	Prepares Intent of Notice to Award Docs & Contract	1 day	Thu 8/22/13	Fri 8/23/13	263,264,266
268	Review/Approve Notice to Award	2 days	Fri 8/23/13	Tue 8/27/13	267
269	Notice to Award Posted & Contract Sent	0.25 days	Tue 8/27/13	Tue 8/27/13	268
270	Award Protest Time Ends	0 days	Tue 9/3/13	Tue 9/3/13	269FS+5 days
271	Agenda Item	38 days	Mon 7/15/13	Wed 9/4/13	
272	Prepare Agenda Item (Draft)	1 day	Mon 7/15/13	Mon 7/15/13	258
273	Prepare Agenda Item (Final)	1 day	Wed 8/28/13	Wed 8/28/13	269,272
274	Review Agenda Item (Final)	1 day	Wed 8/28/13	Thu 8/29/13	273
275	Copy and Send Agenda Item/Contract Book	1 day	Wed 9/4/13	Wed 9/4/13	270OFF+1 day,274
276	OFMB Receives Agenda Item/Contract Book	0 days	Wed 9/4/13	Wed 9/4/13	275
277	Contractor Receives Contract/Insurance/Bond	0 days	Wed 8/28/13	Wed 8/28/13	269FS+1 day
278	Receive Signed Contract/Insurance/Bond	0 days	Wed 9/11/13	Wed 9/11/13	277FS+14 edays
279	Review Contract/Insurance/Bond	2.5 days	Thu 9/12/13	Mon 9/16/13	278
280	Copy Contract And Send Downlow	0.5 days	Mon 9/16/13	Mon 9/16/13	279,279
281	Contract Received Downlow	0 days	Tue 9/17/13	Tue 9/17/13	280FS+1 day
282	BCC Meeting - Contract Approved	1 day	Tue 10/1/13	Tue 10/1/13	279FS+26 edays,279
283	Construction	92 days	Fri 10/11/13	Tue 2/18/14	
284	Pre-Construction Meeting	0 days	Fri 10/11/13	Fri 10/11/13	282FS+10 edays
285	Receive Submissions From Contractor	0 days	Fri 10/25/13	Fri 10/25/13	284FS+14 edays
286	Review Submissions/Prepare And Send NTP	3 days	Mon 10/28/13	Wed 10/30/13	285
287	Notice To Proceed	0 days	Wed 10/30/13	Wed 10/30/13	286
288	Mobilization	5 days	Thu 11/14/13	Wed 11/20/13	287FS+10 days
289	Commencement	0 days	Wed 11/20/13	Wed 11/20/13	288
290	Construction	90 edays	Wed 11/20/13	Tue 2/18/14	288
291	Contract Administration	523 days	Wed 1/1/14	Mon 3/30/15	
292	Invoice Processing	103.75 days	Wed 1/1/14	Tue 5/27/14	
348	Contract Closeout	289 days	Tue 2/18/14	Mon 3/30/15	

Task Summary Rolled Up Progress Group By Summary

Critical Task Rolled Up Task Split Deadline

Progress Rolled Up Critical Task External Tasks

Milestone Rolled Up Milestone Project Summary

Jupiter Carlin 2nd Beach Renourishment

Gantt Chart

Last Updated: Tue 8/14/12

ID	Task Name	Duration	Start	Finish	Predecessors
972	Monitoring	1039 days	Fri 3/1/13	Wed 2/22/17	
373	Pre-Construction Monitoring TBD	176 days	Fri 3/1/13	Fri 11/1/13	
374	Sea Turtle Monitoring 2013	176 days	Fri 3/1/13	Fri 11/1/13	
375	Post-Construction Monitoring	786 days	Wed 2/19/14	Wed 2/22/17	
380	Quarterly Reports	822 days	Fri 10/19/08	Fri 12/7/12	
381	Q3 2008	6 days	Fri 10/10/08	Mon 10/20/08	
382	Q4 2008	10 days	Thu 1/1/09	Thu 1/16/09	
383	Q1 2009	11 days	Wed 4/1/09	Wed 4/15/09	
384	Q2 2009	2 days	Mon 7/20/09	Tue 7/21/09	
385	Q3 2009	1 day	Mon 10/19/09	Mon 10/19/09	
386	Q4 2009	1 day	Mon 1/25/10	Mon 1/25/10	385FS+70 days
387	Q1 2010	1 day	Wed 4/28/10	Wed 4/28/10	386FS+70 days
388	Q2 2010	1 day	Mon 7/28/10	Mon 7/28/10	387FS+60 days
389	Q3 2010	2 days	Thu 10/21/10	Fri 10/22/10	388FS+60 days
390	Q4 2010	1 day	Tue 1/25/11	Tue 1/25/11	389FS+60 days
391	Q1 2011	1 day	Wed 4/20/11	Wed 4/20/11	390FS+60 days
392	Q2 2011	1 day	Fri 7/15/11	Fri 7/15/11	391FS+60 days
393	Q3 2011	1 day	Tue 10/25/11	Tue 10/25/11	392FS+60 days
394	Q4 FINAL BILLING	1 day	Fri 1/27/12	Fri 1/27/12	393FS+60 days

Task		Summary		Rolled Up Progress		Group By Summary	
Critical Task		Rolled Up Critical Task		Split		Deadline	
Progress		Rolled Up Critical Task		External Tasks			
Milestone		Rolled Up Milestone		Project Summary			

Jupiter/Carlin Shore Protection Project



Public Access = 0.79
 Beach Fill Project Length = 1.05 miles
 (100% of project within 0.5 mi of access)

Legend



- DEP Monument
- ▭ Project Fill Boundaries
- ▭ Public Lodging
- ▭ Beach Jacquemontia
- ▭ Recreational Areas w/ Parking

FY 2013-14 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. Post renourishment testing of the fill sand is ongoing.

The borrow area for this project was located approximately 5 miles to the South, offshore of Singer Island, FL in approximately 70 fsw.

Use of Requested Program Funds:

Funds requested for FY2013 - 14 will be used to support project-specific monitoring required by permit (currently aerial photography, regional (profiles and hydrographic), beach compaction, sea turtle, shorebird, and nearshore reef).

Local Government Support

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

Name	Title	Email	% Commitment
Reubin Bishop	Env. Analyst	RBishop@Pbcgov.org	100%
Address:	2300 N. Jog Rd, 4 th Fl	Phone:	561-233-2519
	West Palm Beach, FL 33411	Fax:	561-233-2414

Quarterly Report Compliance:

2011-2012	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	Oct 30, 2011	Oct 27, 2011	Yes
Qtr 2 (Oct-Dec)	Jan 30, 2012	Jan 27, 2012	Yes
Qtr 3 (Jan-Mar)	April 30, 2012	April 27, 2012	Yes
Qtr 4 (Apr-Jun)	July 30, 2012	July 27, 2012	Yes

How will revenue for the local funding cost share be established?

A long-range budget plan and dedicated funding sources are in place. Shoreline protection activities are funded by Tourist Development Taxes as mandated by County ordinance.

Is the funding from a dedicated long-term source for this project?

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."

Has the local sponsor resolution been attached to the application fulfilling these requirements?

- Support from the sponsor for the proposed project(s)
- Willingness to serve as the local sponsor
- Ability to provide the full local cost share
- Funding source

Yes

Has the State cost-shared in a feasibility or design phase of this project?

Yes

The previous nourishment and mitigation of this project was funded by the state. The project is recommended in the Department's Strategic Beach Management Plan and is located in an area designated as critically eroded in this Plan. This project has been determined to be 100% eligible for State funding. DEP grant agreement #08PB4 currently provides funding for construction,

Mapping: Maps are provided as attachments.

What is the length of the project boundary in feet? 12,818'

Project length within 1/2 mile of primary public beach access 12,818'

Length of Project Shoreline zoned commercial/recreational 6918'

What is the percentage of project shoreline designated as commercial or recreational property? 54%

Current contract eligibility: 100%

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'

Additional Ranking Criteria

Will this project enhance or increase the longevity of a previously constructed project?
No
How?

Will this project nourish a previously restored shoreline? Yes

What is the rate of erosion as determined by the Bureau (ft/yr)? 1.9

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 to be 1.9 ft/yr (Aug 1996 GDM). Since the 2001 project construction, the recession rate has averaged 17.8 feet per year, though this recession is largely attributable to profile adjustment and diffusion loss to adjacent shorelines. The impact from the 04/05 hurricanes however is clearly notable and significant within the data. During this timeframe the shoreline eroded an average of 43 feet within the project area based on the monitoring data.

Juno Beach Shore Protection Project

Accessible Length = 2.4 miles
Total Project Length = 2.4 miles



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Legend

- DEP Monument
- ▬ Project Fill Boundaries
- ▭ Recreational Areas w/ Parking
- Beach Access



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. The structures designed and planned for this beach have been put on hold for now until questions regarding environmental concerns can be adequately addressed. Periodic dune restoration will occur as necessary.

Use of Requested Program Funds:

The requested funding for FY 2013 - 14 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	% Commitment
Michael Stahl	Sr. Env. Analyst	MStahl@Pbcgov.org	100%
Address:	2300 N. Jog Rd, 4 th Fl	Phone:	561-233-2433
	West Palm Beach, FL 33411	Fax:	561-233-2414

Quarterly Report Compliance:

2011-2012	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	Oct 30, 2011	Oct 27, 2011	Yes
Qtr 2 (Oct-Dec)	Jan 30, 2012	Jan 27, 2012	Yes
Qtr 3 (Jan-Mar)	April 30, 2012	April 27, 2012	Yes
Qtr 4 (Apr-Jun)	July 30, 2012	July 27, 2012	Yes

How will revenue for the local funding cost share be established?

A long-range budget plan and dedicated funding sources are in place. Shoreline protection activities are funded by Tourist Development Taxes as mandated by County ordinance.

Is the funding from a dedicated long-term source for this project?

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."

Has the local sponsor resolution been attached to the application fulfilling these requirements?

- Support from the sponsor for the proposed project(s)
- Willingness to serve as the local sponsor
- Ability to provide the full local cost share
- Funding source

YES

Has the State cost-shared in a feasibility or design phase of this project?

The feasibility studies for the project were funded by the state (01PB1) and the project is included in the Strategic Beach Management Plan. The initial phase of dune restoration was funded by the state (01PB1), as were subsequent restorations (H5PB1) and design and initial permitting of erosion control structures (05PB2 and 06PB2). Most recently, this area was

included under emergency funding grant 07PB2 for dune restoration following the impact of Sub-tropical storm Andrea.

Previous State Cost Share Percentage: 39%

10-Year Project Schedule and 5-year Estimated Budget

Does this project have Congressional Authorization? No

Does this project have a Federal Project Cooperative Agreement? No

What is the end date of the Federal Authorization? N/A

What is the Federal cost share available for this erosion control project? N/A

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

Year	Phase	Description	Total Cost	Federal	State	Local
2013-2014	Monitoring	post construction physical, reef, sea turtle	\$200,000	\$0	\$79,890	\$120,110
2014-2015	Monitoring	post construction physical, reef, sea turtle	\$200,000	\$0	\$79,890	\$120,110
	Dune fill	maintenance of dune	\$1,400,000	\$0	\$559,230	\$840,770
2015-2016	Monitoring	post construction physical, reef, sea turtle	\$200,000	\$0	\$79,890	\$120,110
2016-2017	Monitoring	post construction physical, reef, sea turtle	\$500,000	\$0	\$199,725	\$300,275
	Dune fill	maintenance of dune	\$1,400,000	\$0	\$559,230	\$840,770
2017-2018	Monitoring	Dune inspections, physical profiles	\$100,000	\$0	\$39,945	\$60,055
2018-2019	Monitoring	Dune inspections, physical profiles				
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				

Mapping: Maps are provided as attachments.

What is the length of the project boundary in feet? 7127'

Project length within 1/2 mile of primary public beach access 5280'

Length of Project Shoreline zoned commercial/recreational 0'

What is the percentage of project shoreline designated as commercial or recreational property? 0%

Current contract eligibility: 79.8%

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 ½ mile of proj.	243 spaces	243	2640'

Additional Ranking Criteria

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

Yes

How?

The project design is based on an updated feasibility study and subsequent modeling efforts. The project is designed to enhance shore protection by the restoration of the native dunes and stabilization of the berm in an area where extensive near shore environmental resources would be impacted by beach nourishment. The dune component of the project utilizes local sand resources to minimize cost.

Will this project nourish a previously restored shoreline?

Yes

What is the rate of erosion as determined by the Bureau (ft/yr)?

1.9

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.

Project Benefits: The project is designed to provide long-term storm protection, retain sand within the coastal system, aesthetically enhance the area, and provide habitat for endangered plant and animal species. Public beach access, as shown on the attached map, allows for public and tourism use throughout the project area. Hurricane evacuation routes in the project area include Route A1A which runs N-S along the entire project area.

Threatened and endangered marine turtles utilize the entire project area for nesting purposes and protected plant species are located in the dunes.

Innovative Applications: No innovative applications are planned at this time.

Nourishment Interval (years):

2

Project Performance: The project design is based on an updated feasibility study and subsequent modeling efforts. The project is designed to enhance shore protection by the restoration of the native dunes and stabilization of the berm in an area where extensive near shore environmental resources would be impacted by beach nourishment. Previous dune restoration projects have performed very well, lasting several years depending on seasonal wind and waves. The most recent dune project was completed in February, 2011 and approximately 70% of the placed material remains on the beach.

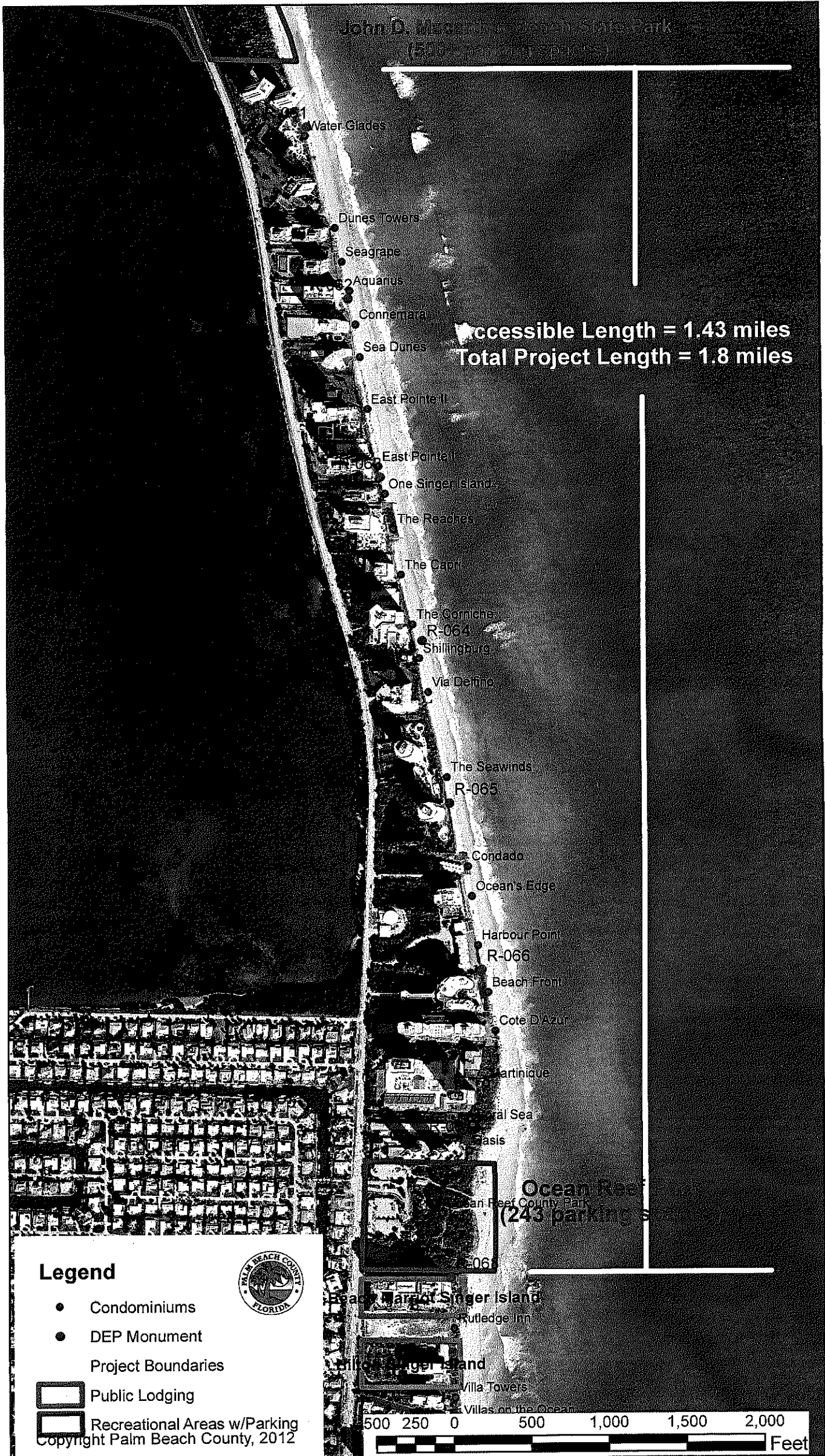
Is this project being planned or constructed in cooperation with another local government?

No

Attachments:

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

Singer Island Shore Protection Project



FY 2013-14 Local Government Funding Request

Project Name: 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 rejected by project stakeholders. This area is encompassed by the larger Palm Beach Island Beach Management Agreement (Lake Worth Inlet to South Lake Worth Inlet) currently in the planning phases. 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 2013-14 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	% Commitment
Kimberly Miranda	Sr. Env. Analyst	KMiranda@Pbcgov.org	100%
Address:	2300 N. Jog Rd, 4 th Fl	Phone:	561-233-2465
	West Palm Beach, FL 33411	Fax:	561-233-2414

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.

2011-2012	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	Oct 30, 2011	Oct 27, 2011	Yes
Qtr 2 (Oct-Dec)	Jan 30, 2012	Jan 27, 2012	Yes
Qtr 3 (Jan-Mar)	April 30, 2012	April 27, 2012	Yes
Qtr 4 (Apr-Jun)	July 30, 2012	July 27, 2012	Yes

How will revenue for the local funding cost share be established?

A long-range budget plan and dedicated funding sources are in place. Shoreline protection activities are funded by Tourist Development Taxes as mandated by County ordinance.

Is the funding from a dedicated long-term source for this project?

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."

Has the local sponsor resolution been attached to the application fulfilling these requirements?

- Support from the sponsor for the proposed project(s)
- Willingness to serve as the local sponsor

- Ability to provide the full local cost share
- Funding source

YES

Has the State cost-shared in a feasibility or design phase of this project?

Grant funding was previously provided for the feasibility study and dune work. The project is included in the Florida DEP Beach Restoration Management Plan. The feasibility study for this project was cost-shared through DEP funding agreement H5PB1. This was a one-time cost share of 90% due to hurricane impacts (Frances and Jeanne). Emergency dune restoration as a result of impacts due to Sub-Tropical Storm Andrea was cost-shared through DEP funding agreement 07PB2. Cost share for this grant was 50% based on project length and public access. There is currently no funding agreement executed for this project, however all scopes of work continue to be sent to the Department for approval.

Previous State Cost Share Percentage:

50%

10-Year Project Schedule and 5-year Estimated Budget

Does this project have Congressional Authorization?

No

Does this project have a Federal Project Cooperative Agreement?

No

What is the end date of the Federal Authorization?

N/A

What is the Federal cost share available for this erosion control project?

N/A

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

Year	Phase	Description	Total Cost	Federal	State	Local
2013-2014	PED	EIS, permitting	\$700,000	\$0	\$350,000	\$350,000
	Monitoring	pre/post construction physical, reef, sea turtle	\$80,000	\$0	\$40,000	\$40,000
2014-2015	Monitoring	pre/post construction physical, reef, sea turtle	\$100,000	\$0	\$50,000	\$50,000
	Dune fill	maintenance of dune	\$300,000	\$0	\$150,000	\$150,000
2015-2016	Monitoring	post construction physical, reef, sea turtle	\$100,000	\$0	\$50,000	\$50,000
	Dune fill	maintenance of dune	\$300,000	\$0	\$100,000	\$100,000
2016-2017	Monitoring	post construction physical, reef, sea turtle	\$100,000	\$81,000	\$34,500	\$34,500
2017-2018	Monitoring	post construction physical, reef, sea turtle	\$100,000	\$81,000	\$34,500	\$34,500
2018-2019	Monitoring	dune inspections, physical profiles				
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				

Mapping: Maps are provided as attachments.

What is the length of the project boundary in feet?	<u>4245'</u>
Project length within ½ mile of primary public beach access	<u>4150'</u>
Length of Project Shoreline zoned commercial/recreational	<u>1510'</u>
What is the percentage of project shoreline designated as commercial or recreational property?	<u>35.6%</u>
Current contract eligibility:	<u>100%</u>

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'

Public lodging license documentation as provided by the FL Department of Business and Professional Regulation is attached.

Additional Ranking Criteria

Will this project enhance or increase the longevity of a previously constructed project? How? No

Will this project nourish a previously restored shoreline (dune)? Yes

What is the rate of erosion as determined by the Bureau (ft/yr)? 4

Severity of Erosion: The entire project area has been designated as critically eroded by the Florida State Department of Environmental Protection. 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. Dune restoration occurs on an annual basis however the most recent project (completed in January 2009) has completely eroded. In addition, the entire berm throughout the project area appears to have lost at least 3-4 vertical feet due to deflation of the beach from the effects of Tropical Storm Fay.

Project Benefits: The project is designed to provide long-term storm protection, retain sand within the coastal system, aesthetically enhance the area, and provide habitat for endangered plant and animal species. A total of 98% of the project area shoreline is available for public recreational use (within ½ mile of Lantana Public Beach). Approximately 36% of the project area is publicly owned parks, beach access ways, or public lodging establishments. Hurricane evacuation routes in the project area include Route A1A which runs N-S along the entire project area.

Threatened and endangered marine turtles utilize the entire project area for nesting purposes and protected plant species are located in the dunes.

Innovative Applications: Innovative modeling technology is being used to minimize the extent of construction necessary for shoreline stabilization.

Nourishment Interval (years):

1-3 yrs for dune maintenance

Project Performance: As this project is still in the study phase, the performance is not known at this time.

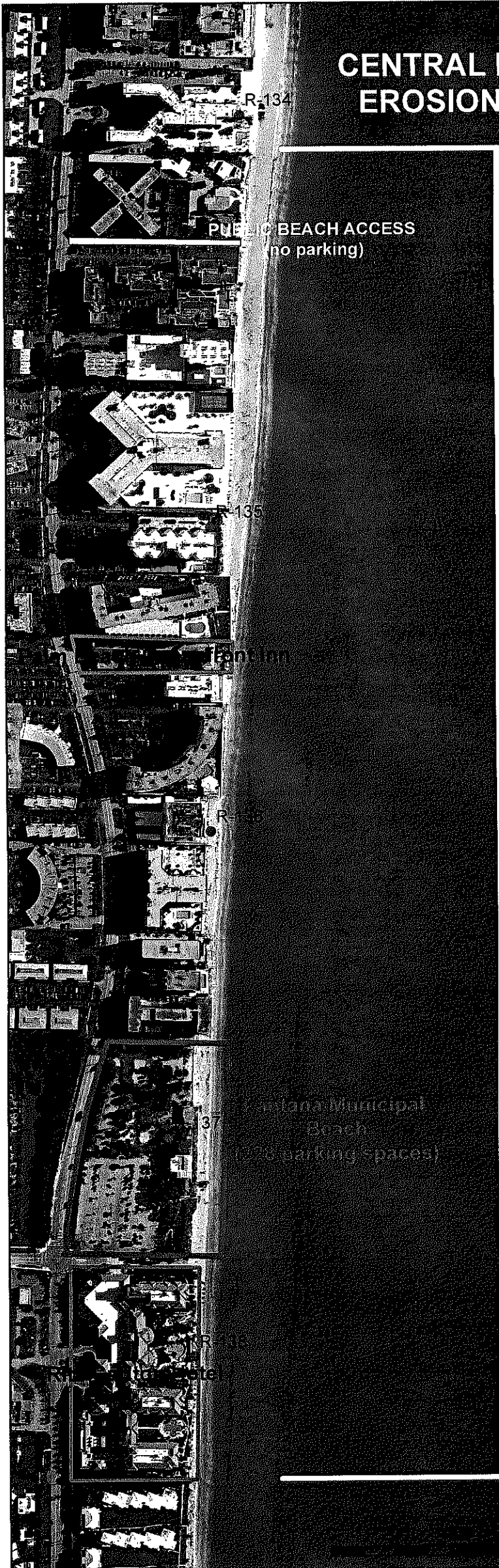
Is this project being planned or constructed in cooperation with another local government? Yes
Explain.

The project boundaries currently encompass three municipalities: South Palm Beach, Lantana, and Manalapan. In addition, the local sponsor has an interlocal agreement with the Town of Palm Beach to combine engineering, design, project management, and construction efforts extending into the Town through R-132. This area is encompassed by the larger Palm Beach Island Beach Management Agreement currently in the planning phases. Completion of an EIS is critical in being able to move forward with a solution for this beach.

Attachments:

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

CENTRAL PALM BEACH COUNTY EROSION CONTROL PROJECT



Legend



- DEP Monument
- Project Boundaries
- Secondary Beach Access
- Public Lodging
- Municipal Park

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11:48:53 AM 8/9/2012

Licensee Details

Licensee Information

Name: **RITZ-CARLTON HOTEL COMPANY LLC (THE) (Primary Name)**
RITZ-CARLTON PALM BEACH (DBA Name)

Main Address: **100 S OCEAN BLVD**
MANALAPAN Florida 33462

County: **PALM BEACH**

License Mailing:

License Location: **100 S OCEAN BLVD**
MANALAPAN FL 33462

County: **PALM BEACH**

License Information

License Type: **Hotel**

Rank: **Hotel**

License Number: **HOT6009710**

Status: **Current, Active**

Licensure Date: **12/09/2003**

Expires: **12/01/2012**

Special Qualifications **Qualification Effective**
Current with Renewal **12/09/2003**

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4:26:24 PM 8/6/2012

Licensee Details

Licensee Information

Name: **KOSOVA REALTY CORP (Primary Name)**
THE PALM BEACH OCEANFRONT INN (DBA Name)

Main Address: **3550 S OCEAN BLVD**
SOUTH PALM BEACH Florida 33480

County: **PALM BEACH**

License Mailing: **3550 S OCEAN BLVD**
SOUTH PALM BEACH FL 33480

County: **PALM BEACH**

LicenseLocation: **3550 S OCEAN BLVD**
SOUTH PALM BEACH FL 33480

County: **PALM BEACH**

License Information

License Type: **Motel**

Rank: **Motel**

License Number: **MOT6002037**

Status: **Current,Active**

Licensure Date: **03/06/2012**

Expires: **12/01/2012**

Special Qualifications	Qualification Effective
Palm Beach DEC	02/15/2012
51-100 UNITS	02/15/2012

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FY 2013-14 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. Design and permitting for the next dredging of the sand trap is ongoing and construction is scheduled for winter of 2012-2013. Previous dredging projects have avoided impacting seagrass beds in the vicinity of the sand trap. Through the years, these beds have grown into the sand trap and are currently limiting the volume of sand which can be trapped and subsequently reclaimed for the down drift beaches. Though no seagrass impacts are planned for the 2012/2013 sand trap dredging project, advance mitigation at the Bryant Park restoration site will be constructed to offset impacts which will likely occur with future projects.

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	% Commitment
Tracy Logue	Coastal Geologist	TLogue@Pbcgov.org	100%
Address:	2300 N. Jog Rd, 4 th Fl	Phone:	561-233-2491
	West Palm Beach, FL 33411	Fax:	561-233-2414

Quarterly Report Compliance:

2011-2012	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	Oct 30, 2011	Oct 29, 2011	Yes
Qtr 2 (Oct-Dec)	Jan 30, 2012	Jan 28, 2012	Yes
Qtr 3 (Jan-Mar)	April 30, 2012	April 29, 2012	Yes
Qtr 4 (Apr-Jun)	July 30, 2012	July 27, 2012	Yes

How will revenue for the local funding cost share be established?

A long-range budget plan and dedicated funding sources are in place. Shoreline protection activities are funded by Tourist Development Taxes as mandated by County ordinance.

Is the funding from a dedicated long-term source for this project?

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 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."

Has the local sponsor resolution been attached to the application fulfilling these requirements?

- Support from the sponsor for the proposed project(s)
- Willingness to serve as the local sponsor
- Ability to provide the full local cost share
- Funding source

YES

Has the State cost-shared in a feasibility or design phase of this project?

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%

10-Year Project Schedule and 5-year Estimated Budget

Does this project have Congressional Authorization? No

Does this project have a Federal Project Cooperative Agreement? No

What is the end date of the Federal Authorization? N/A

What is the Federal cost share available for this erosion control project? N/A

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

Year	Phase	Description	Total Cost	State	Local
2013-2014	PED	Design and permitting of future sand trap dredging	\$150,000	\$112,500	\$37,500
	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
2014-2015	monitoring	sand trap, physical profiles, sea turtle, SAV	\$175,000	\$131,250	\$43,750
2015-2016	monitoring	sand trap, physical profiles, sea turtle, SAV	\$150,000	\$112,500	\$37,500
2016-2017	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
2017-2018	monitoring	sand trap, physical profiles, sea turtle, SAV	\$110,000	\$82,500	\$27,500
2018-2019	monitoring	sand trap, physical profiles, sea turtle, SAV			
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			
	Construction	dredging of sand trap, placement on beach			

Mapping: Maps are provided as attachments.

What is the length of the project boundary in feet? 5000'

Project length within ½ mile of primary public beach access 5000'

Length of Project Shoreline zoned commercial/recreational 2144'

Percentage of project shoreline designated as commercial or recreational property 40%

Current contract eligibility: 100%

Eligibility: Access points and public lodging establishments:

Location	Address	R-mon	Type	Width	Units/spaces	Public spaces	Eligible Shoreline
SLWI Park	—	151	Secondary	91'	26 parking spaces	26	2731'
Ocean Inlet Park	—	152	Primary	725'	126 parking spaces	126	3365'
Ocean Hammock Park	—	155-156	Secondary	1110'	33 parking spaces	33	1110'
Oceanfront Park	—	156-157	Primary	1034	247 parking spaces	247	6314

Additional Ranking Criteria

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

How? Sand trap and navigational channel dredging maximize the use of sediment sources in maintaining the beach. The performance of sand bypass into the groin field is such that the area maintained its width throughout the project interval and did not require any fill during the most recent downdrift beach nourishment (Ocean Ridge shore protection project, completed Dec 2005), resulting in a cost savings through the reduction in the amount of fill necessary. Currently, the Ocean Ridge Nourishment project is seven years post construction, and due to ACOE planning issues, not likely to be renourished until 2014. Continued bypassing and sand trap maintenance at the South Lake Worth Inlet will help bridge this gap and extend the storm protection and recreational benefits at Ocean Ridge.

Will this project nourish a previously restored shoreline? Yes

What is the rate of erosion as determined by the Bureau (ft/yr)? 5

Severity of Erosion: The entire project area is designated as critically eroded by the Department of Environmental Protection. The historic erosion rate along the project shoreline was computed to be 5 ft/yr (Aug 1996 GDM). Over the anticipated six year renourishment schedule of the Ocean Ridge Shore Protection Project, the erosion rate is anticipated to average 7.44 cy/lf/yr (including end losses).

Project Benefits: The project is designed to provide long-term storm protection, retain sand within the coastal system, aesthetically enhance the area, and provide habitat for endangered plant and animal species. The beach is publicly accessible in an area heavily utilized by both the local population and visitors. Shoreline development within the project area consists of developed property and public park land, 100% of which lies within ½ mile of adequate public access facilities. Public beach access allows for public and tourism use throughout the project area. Threatened and endangered marine turtles utilize the entire project area for nesting purposes and protected plant species are located in the dunes.

Innovative Applications: The plant is a component of an innovative approach to maintain the downdrift beaches using inlet sand bypass discharge into a groin field. The bypassed sand is native beach material, with color, fine fraction and compaction characteristics which has been shown to not impact sea turtle nesting success. The steady rate of transfer eliminates the need for advanced fill and the related impacts to nearshore hardbottom.

Nourishment Interval (years):**6-8**

Project Performance: The project mitigates for adverse impacts associated with the inlet, providing 100% of the bypass quantity required by the approved management plan. The project area acts as a feeder beach to maintain down drift areas which contain nearshore hardbottom habitat. The transfer plant continues to provide a cost effective and environmentally sound method of bypassing sand over an extended time period. The latest data show the sand transfer plant bypasses approximately 80,000 CY annually to down drift beaches.

Sediment Bypassing Quantities for Inlets: The volume of sand bypassed by the sand transfer plant varies by year, and weather conditions. However, for the five years between 2004 and 2008, the average annual bypass volume was 88,390 yd³/year. The old plant was demolished in 2009, and a new plant was completed in 2010. Annual bypass volume in 2011 was 86,475 yd³. The sand trap is dredged on an as-needed basis, concurrently with maintenance dredging of the ICWW and adjacent municipal boat channel. The last maintenance dredging project (completed in spring of 2008) placed 52,468 yds³ below MHW off of the downdrift beach. In 2001 69,905 yds³ were placed on the downdrift beach during the maintenance dredging project.

Is this project being planned or constructed in cooperation with another local government? Yes
During the dredging of the SLWI sand trap, Palm Beach County will once again combine projects with the City of Boynton Beach (for the dredging of the boat club channel) and the Florida Inland Navigation District (for the dredging of the AICW) to bid three individual projects as one to save on mobilization costs for each project. Permit required sea grass monitoring for three projects will be combined as well.

Attachments:

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

SOUTH LAKE WORTH INLET SAND PUMPING RECORDS

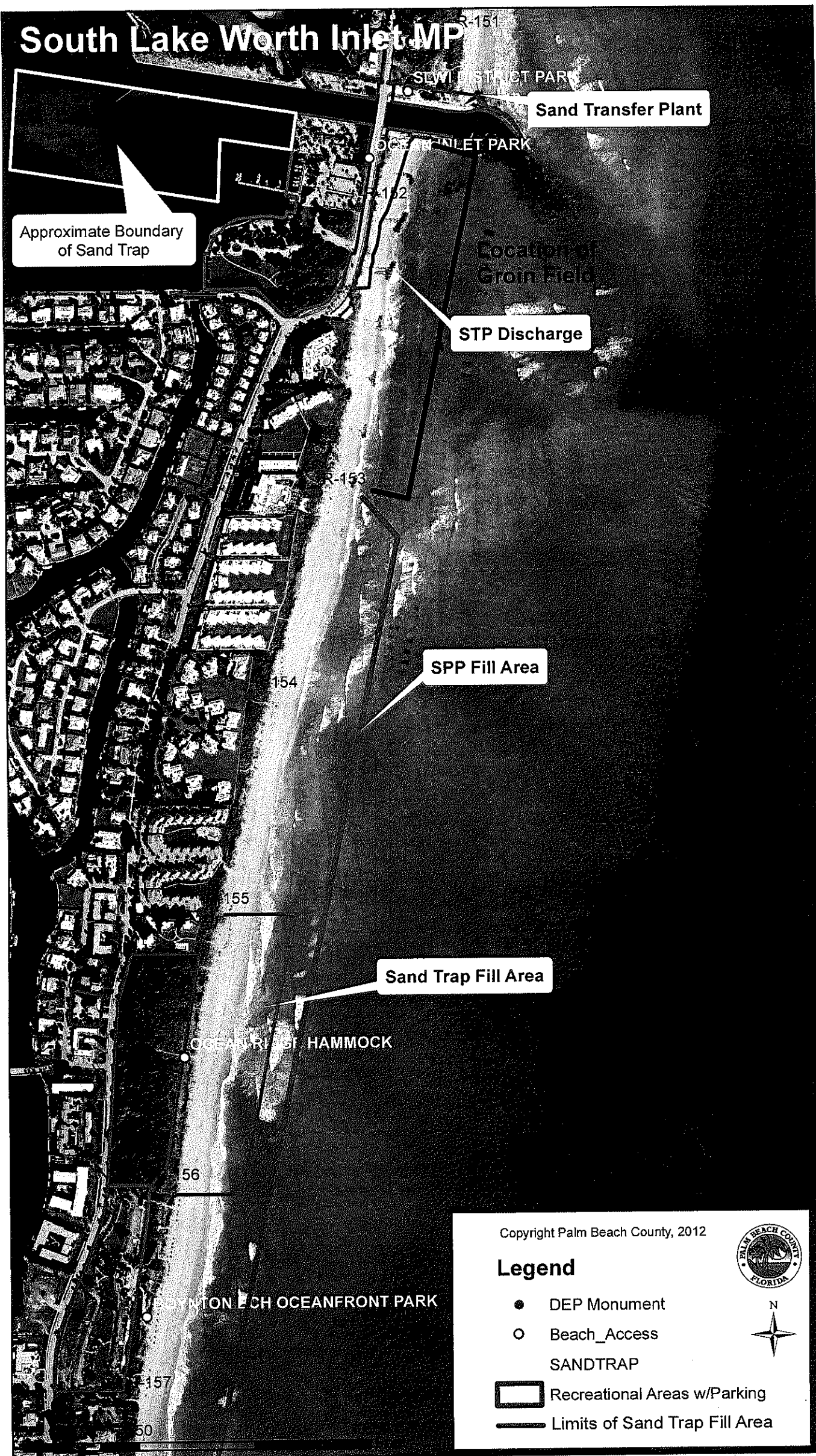
Calculated with an Estimated Pumping Rate of 150 cubic yards/hr

Month	2009 - 2010		2010 - 2011		2011 - 2012		2012 - 2013		2013 - 2014		2014 - 2015	
	Hours	Quantity (cy)	Hours	Quantity	Hours	Quantity	Hours	Quantity	Hours	Quantity	Hours	Quantity
October	0.0	0	69.5	10,425	63.5	9,525		0		0		0
November	0.0	0	106.0	15,900	45.5	6,825		0		0		0
December	0.0	0	107.5	16,125	7.0	1,050		0		0		0
January	97.5	14,625 *	49.5	7,425	12.5	1,875		0		0		0
February	139.0	20,850	24.0	3,600	5.0	750		0		0		0
March	112.5	16,875	56.5	8,475	8.0	1,200		0		0		0
April	62.0	9,300	34.0	5,100	6.5	975		0		0		0
May	45.0	6,750	41.0	6,150	7.0	1,050		0		0		0
June	29.5	4,425	25.5	3,825	1.0	150		0		0	0	0
July	41.0	6,150	18.5	2,775	1.5	225		0		0	0	0
August	37.0	5,550	27.0	4,050		0		0		0	0	0
September	89.0	13,350	17.5	2,625		0		0		0	0	0
Total	652.5	97,875	576.5	86,475	157.5	23,625	0.0	0	0.0	0	0.0	0

*First recorded day of pumping at new plant was 1/14/10.

Pumping rate of 150 cy/hr based on 7/13/11 production survey by Coast & Harbor Engineering.

South Lake Worth Inlet MP



Approximate Boundary of Sand Trap

Sand Transfer Plant

STP Discharge

SPP Fill Area

Sand Trap Fill Area

Copyright Palm Beach County, 2012

Legend

- DEP Monument
- Beach_Access
- SANDTRAP
- Recreational Areas w/Parking
- ▬ Limits of Sand Trap Fill Area



FY 2012-13 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. A Limited Re-evaluation Report (LRR), required by the US Army Corps of Engineers for Federal participation on the next renourishment is in process.

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. This borrow area has been used twice before and additional investigations of new segments of this borrow area are underway as part of the planning, engineering and design of the next nourishment.

Use of Requested Program Funds:

The requested funding will be used for the permitting, design, and construction of the next renourishment including the LRR and the JCP permitting process, as well as the engineering, design, and construction to modify the existing T-head groins in order to help to offset down drift impacts and improve project performance. Funds will also be used for pre and 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	% Commitment
Tracy Logue	Coastal Geologist	TLogue@Pbcgov.org	100%
Address:	2300 N. Jog Rd, 4 th Fl	Phone:	561-233-2491
	West Palm Beach, FL 33411	Fax:	561-233-2414

Quarterly Report Compliance:

2011-2012	Due Date	Report Sent	Compliant?
Qtr 1 (Jul-Sept)	Oct 30, 2011	Oct 27, 2011	Yes
Qtr 2 (Oct-Dec)	Jan 30, 2012	Jan 27, 2012	Yes
Qtr 3 (Jan-Mar)	April 30, 2012	April 27, 2012	Yes
Qtr 4 (Apr-Jun)	July 30, 2012	July 27, 2012	Yes

How will revenue for the local funding cost share be established?

A long-range budget plan and dedicated funding sources are in place. Shoreline protection activities are funded by Tourist Development Taxes as mandated by County ordinance.

Is the funding from a dedicated long-term source for this project?

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."

Has the local sponsor resolution been attached to the application fulfilling these requirements?

- Support from the sponsor for the proposed project(s)

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

Year	Phase	Description	Total Cost	Federal	State	Local
2013-2014	Construction	dredge and fill	\$8,000,000	\$4,304,000	\$1,848,000	\$1,848,000
	Monitoring	post const physical, reef, sea turtle, shorebird	\$200,000	\$107,600	\$46,200	\$46,200
2014-2015	Monitoring	post const physical, reef, sea turtle, shorebird	\$300,000	\$161,400	\$69,300	\$69,300
2015-2016	Monitoring	post construction physical, reef, sea turtle, shorebird	\$300,000	\$161,400	\$69,300	\$69,300
2016-2017	Monitoring	post construction physical, reef, sea turtle, shorebird	\$300,000	\$161,400	\$69,300	\$69,300
2017-2018	Monitoring	post construction physical, reef, sea turtle, shorebird	\$300,001	\$161,401	\$69,300	\$69,300
	PED	sand search, LRR	\$400,000	\$215,200	\$92,400	\$92,400
2018-2019	Monitoring	post construction physical, reef, sea turtle, shorebird				
	PED	LRR, permitting (JCP/COE)				
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				

Mapping: Maps are provided as attachments.

What is the length of the project boundary in feet? 7350'

Project length within 1/2 mile of primary public beach access 7350'

Length of Project Shoreline zoned commercial/recreational 2144'

What is the percentage of project shoreline designated as commercial or recreational property? 29%

Current contract eligibility: 100%

Nourishment Interval (years):

6-8

Project Performance: The project design was based on the GDM (NED included) & EIS. It has performed as designed and is optimized with the addition of sand dredged from the ICW, the inlet sand trap, the boat club channel and the sand bypass plant. 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.

The project is expected to be stable beyond the estimated seven-year lifespan, and will not be renourished until at least 2013 (eight years post-construction).

Is this project being planned or constructed in cooperation with another local government?

No

Explain.

Attachments:

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

Ocean Ridge Shore Protection Project

Ocean Reef Park
(126 parking spaces)

Public Access = 0.51 miles
2005 Project Length = 1.1 miles

Ocean Hammock Park
(33 parking spaces)

Ocean Hammock
(24 parking spaces)

Legend

● DEP Monument

○ Beach Access

▭ Recreational areas w/Parking

— Project Fill Boundaries

- - - Erosion Control Line

