

**FY 2015/16 Local Government Funding Request  
Beach Management Projects**

**Project Name (Same as previous phase):** Rest Beach Renourishment

**Project Description: (Should be consistent year to year with annual updates. Include county, location with reference to range monuments, brief project history and upcoming activities.)** The project consists of the renourishment of 643 feet of critically eroded Atlantic shoreline located in Key West, Monroe County. The initial restoration of the project was in 1995 with the placement of sand from upland sources, removal of invasives and landscape improvements. The City is currently working to secure FDEP & USACE permits for renourishment which is scheduled for FY2014/15.

Renourishment sand is hauled from a source approved by all permitting agencies. The sand size is a permit condition which helps facilitate turtle nesting and seagrass proliferation.

The City intends to regionalize with the State Division of Parks & Recreation for beach renourishment projects.

**Use of Requested Program Funds:** Funds will be used for sand placement, seagrass transplantation mitigation and monitoring for the Rest Beach Renourishment project

**Local Government Contact**

<b>Name</b>	<b>Title</b>	<b>Email</b>
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**Mapping- Maps should be provided as attachments.**

Maps should be to scale at a minimum of 1"=200' Mapping elements include:

- Project Boundary with Critically Eroded Shoreline **see attached drawing**
- Range Monuments N/A
- Beach Access and Parking- Primary and Secondary, including access widths. **Rest Beach has three (3) handicap parking spaces by the walkway adjacent to the dune. There is additional parking for approximately fifty (50) vehicles across Atlantic Blvd at Indigenous park and parking spaces on White St. The beach is 100% open for public use.**
- Public Lodging Establishments- locations and length of property boundaries along project shoreline or street frontage **N/A**
- Comprehensive Plan/Current Land Use designations of Commercial and Recreational Facilities and associated property boundaries along the project shoreline.

**OBJECTIVE 5-1.3: LAND USE CONTROLS AND CONSTRUCTION STANDARDS FOR PROTECTING THE NATURAL SHORELINE AND THE VERY LIMITED BEACH/DUNE SYSTEM.** The City shall not allow any construction of man-made structures on the City's beach, excepting beach access



(Expand table as needed)

Provide Public Lodging Establishment documentation including proof of licensure.

**Schedule and Budget:**

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

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	Third Party Cost Share	State Cost Share	Local Cost Share
2014/2015	Construction		\$587,600		\$195,866.67	\$195,866.67	\$195,866.67
	Mitigation		\$450,000	0.00	0.00	\$225,000	\$225,000
	Monitoring		\$18,000	0.00	0.00	\$9,000	\$9,000
2015/2016				0.00	0.00		
	Monitoring		\$18,000	0.00	0.00	\$9,000	\$9,000
2016/2017				0.00	0.00		
	Monitoring		\$18,000	0.00	0.00	\$9,000	\$9,000
2017/2018				0.00	0.00		
	Monitoring		\$18,000	0.00	0.00	\$9,000	\$9,000
2018/2019				0.00	0.00		
	Monitoring		\$10,000	0.00	0.00	\$5,000	\$5,000
2019/2020							
	Monitoring						
2020/2021							
	Monitoring						
2021/2022							
	renourishment						
2022/2023							
	monitoring						
2023/2024							
	monitoring						

**Severity of erosion: Criterion will be calculated by the Department.** Please provide narrative and any data that should be considered in addition to the Department’s database.

Apart from erosion due to Hurricane events, the major erosion component is due to high wave action impacting on the beach face. Another component of erosion is caused by wind force action on the berm and beach face. Once renourished, the beach & berm will require periodic renourishment to maintain the project design dimensions.

**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.

N/A

**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 **100%**

**Availability of Federal Funds:**

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

**Local Sponsor Financial and Administrative Commitment**

Is funding for the project in the local sponsor’s 10-year comprehensive financial plan? No  
Please provide copy or web link to the plan.  
  
Is funding provided through a source established by referendum? No  
Please provide a copy or web link to the referendum.  
  
Is funding provided by a third party? Yes  
What is the percentage of total project costs provide by the third party? 50  
Please provide a copy of the cost sharing agreement. **Agreements attached with amendments**

**Quarterly Report Compliance:**

FY2012/2013	End Date	Report Remitted	Compliant (yes/no)
Qtr 1 (Sept)	10/31/2012	8/20/2013	yes
Qtr 2 (Dec)	01/31/2013	8/20/2013	yes
Qtr 3 (Mar)	04/30/2013	8/20/2013	yes
Qtr4 (June)	7/31/2013	8/20/2013	yes

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

Have local funds been secured for the project? Yes  
Explain: **Funds for construction, construction inspection & monitoring are in the City’s current budget; mitigation funds to be budgeted in upcoming fiscal year 14/15 budget to be approved October 1, 2014**

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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

Please provide copy of the resolution. **Resolution to be on August 19,2014 commission agenda**

**Previous State Commitment:**

In 2008 the FDEP entered into a cost-share agreement for funding of the permitting, design and a feasibility study and design & permitting of Rest Beach. The project is recommended in the Strategic Beach Management Plan and located in an area that has been designated as critically eroded shoreline by the FDEP. The City has received final payment for the agreement.

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? Yes, this project is based on the last previously-constructed project and provide long-term renourishment

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

**Project Performance:**

Nourishment Interval (Years): **5**

<b><u>REST BEACH SAND PLACEMENT</u></b>			
<b><u>YEAR</u></b>	<b><u>STORM</u></b>	<b><u>QUANTITY</u></b>	<b><u>PERMIT</u></b>
<u>1994</u>	<u>RENOURISHMENT</u>	<u>2600 CY</u>	<u>1994 permit</u>
<u>1995</u>	<u>OPAL</u>	<u>944 tons</u>	<u>90 day field permit</u>
<u>1998</u>	<u>GEORGES</u>	<u>1,604 tons</u>	<u>90 day field permit</u>
<u>1999</u>	<u>IRENE</u>	<u>872 tons</u>	<u>90 day field permit</u>
<u>2005</u>	<u>WILMA</u>	<u>654 tons</u>	<u>90 day field permit</u>
<u>2009</u>	<u>TS FAYE</u>	<u>682 tons</u>	<u>90 day field permit</u>
<u>2012</u>	<u>Winter Erosion</u>	<u>275 tons</u>	<u>90 day field permit</u>

**Mitigation of Inlet Effects:**

**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.

N/A

**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

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**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 inter-local agreement between the two local sponsors.

The City is intends to regionalize with the State Division of Parks & Recreation.

**Significance:**

What is the volume of advanced nourishment lost since the last sand placement event of a beach restoration or nourishment project as measured landward of the Mean High Water Line?

N/A

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

No

What is the proposed placement volume?

7500 CY