FY 2011-12 Local Government Funding Request

Project Name (Same as previous phase):	Rest Beach Renourishment
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Project Description: (Should be consistent year to year with annual updates. Include county, location with reference to range monuments, brief project history and upcoming beach activities.)

The project consists of the renourishment of 643 feet of critically eroded Atlantic shoreline located in Key West, Monroe County, with approximately 7,800 cubic yards of sand. The initial restoration of the project was in 1995 with the placement of sand from upland sources, removal of invasives and landscape improvements. A section of the adjacent pier was removed to allow seaweed to flow through that had previously piled up against the pier and rotted. The City is currently working to secure FDEP & USACE permits for renourishment which is tentatively scheduled for FY2011 and will encompass the total 643 foot project length.

The sand source is the ER Jahna, Ortona Mine in Moore Haven, Florida and is trucked to Key West. The sand size is a permit condition and helps facilitate turtle nesting and seagrass proliferation. Any new sand sources from the Bahamas may also be used if approved by the FDEP.

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

<u>Use of Requested Program Funds:</u> <u>Funds requested for FY 2011-12 will be used for permitting, construction & construction inspection and engineering</u>

Local Government Support

Does this sponsor have dedicated support staff whose sole priority is to manage beach erosion control activities? <a href="text-upper-table-upper-tabl

Name	Title	Email	Percent
			Commitment
Janet Muccino	Project Manager	jmuccino@keywestcity.com	50%
Address 1:	P.O. 1409	Phone: 305 809-3867	
Address 2:	Key West, FL 33041	Fax: 305 809-3739	

Quarterly Report Compliance:

2009-2010	End Date	Report Sent	Compliant
Qtr 1 (Sept)	9/30/09	12/30/09	yes
Qtr 2 (Dec)	12/31/08	12/30/09	yes
Qtr 3 (Mar)	3/31/09	3/30/10	yes
Qtr4 (June)	6/30/09	8/05/10	yes

Revenue for the local cost share will be provided by:	The City of Ke	y West and the Monroe
County Tourist Development Council	-	-

18	the	funding 1	from a d	ledicated	long term	source for t	this pro	ject?	ye	2S

In order to acquire funding, a resolution from the local governmental entity 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
- Funding Source

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

No, the resolution is expected to be approved in an October 2010 City

Commission meeting

Previous State cost-share for a feasibility or design/permitting phase of this project:

The Department is currently entered into a cost-share agreement for funding of the permitting, design and a feasibility study and design & permitting of approved alternative. 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 Department. The City has submitted a request for final payment for the current contract.

Previous State Cost Share percentage	_50%
10-Year Project Schedule and 5-Year Estimated Budget	
Does this project have Congressional Authorization?	<u>_no</u> _
Does this project have a Federal Project Cooperative Agreement?	<u>no</u>
What is the end date of the Federal Authorization?	<u>_n/a</u>
Federal cost share available for this erosion control project:	no

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

Year	Proposed Method	Description	Total Estimated	Federal Cost Share	State Cost	Local Cost Share
2011/ 2012	Construction	nourishment	Cost \$600,000	0.00	\$300,000	\$300,000
2012/ 2013	Monitoring/permit requirements	Performance ,environmental	\$50,000	0.00	\$25,000	\$25,000
2013/ 2014	Renourishment/Monitoring/permit requirements	Performance ,environmental	\$150,000	0.00	\$75,000	\$75,000
2014/ 2015	Monitoring/permit requirements	Performance ,environmental	\$50,000	0.00	\$25,000	\$25,000
2015/ 2016	Renourishment/Monitoring/permit requirements	Performance ,environmental	\$150,000	0.00	\$75,000	\$75,000
2016/ 2017	Permitting, construction, management	nourishment				
2017/ 2018	Monitoring/permit requirements	Performance ,environmental				
2018/ 2019	Renourishment/Monitoring/permit requirements	Performance ,environmental				
2019/ 2020	Monitoring/permit requirements	Performance ,environmental				
2020/ 2021	Renourishment/Monitoring/permit requirements	Performance ,environmental				

•	s scale at a n s include:	ninimum vith Critic		Shoreline: <u>se</u>	ee attached ac	<u>erial</u>	
Rest Bead is addition	ch has three nal parking t	handicap for appro	Primary and Soparking space eximately fifty St. The beach is	es between cars across	the bike path Atlantic Bly	and the b	each. There genous Park
	Lodging Esta long project		ents- locations e:. <u>n/a</u>	and length	of property b	oundaries	
	nd associated 1.9: ACCES	d propert S TO P		along the pr CH, SHOR	oject shorelin ELINE ANI	ne. <mark>) SCENI</mark>	C VISTAS.
through 5-6 of the West is a waterfro Coastal Managem shoreline and tida	e Coastal Ma ont oriented onent data inv	nagemer commun entory ar	nt Element dat ity with a high nd analysis. Bo	a inventory nly accessib eaches as w	and analysis le shoreline a ell as scenic	The City as docume vistas of t	of Key ented in the he
erected which pre below directed in of public beach. Of the standard for be satisfy beach access	Policy 5-1.9 Considering to each access	0.1 and 5. the City's cited in I	-1.9.2. Current s projected per Policy 5-1.9.1)	tly the City manent and the City h	has over twe I seasonal pot as sufficient	nty-three pulation (4	(23) acres 41,617 and
Policy 5-1.9.1: State DNR standar population. Policy 5-1.9.2: Pt	andard for ard for public	Public E beach a	Beach Access. ccess of one-h	The City sl nalf (½) acre	hall continue e per one thou	usand (1,0	000)
renourished beach							
and/or renourishe							
Management Plan	<u>ı (1990) cha</u> ı	racterized	d in the Comp	rehensive D	ata Inventor	y and Ana	lysis, page
5-23 through 5-28	<u>3.</u>						
Length of Projec	t Boundary	in Feet:	:			643'	
Length of comm	·			onting the	nroject shor	eline	
Length of comm	cretar or rec	.i catione	ar property in	onting the	project shor	643'	
Percentage of pr	oject shorel	ine desig	gnated as con	nmercial or	recreationa	al propert	•
Eligibility: Acces	s Points an	d Public	Lodging Esta	ablishment	s:		
Location/Name	Address	R-	Type of	Width of	Total	No.	Eligible
		Mon	Access	Access/ Frontage	units or parking spaces	Public	shoreline
n/a							

Additional Ranking Criteria

Will this project enhance or increase the longevity of a previously-	
constructed project?	<u>yes</u>
Will this project nourish a previously restored shoreline?	<u>yes</u>
Rate of Erosion as determined by the Bureau based on long term data (ft/yr)	2.8

Severity of erosion: Apart from erosion due to Hurricane events, the erosion/accretion trends for the projects since initial construction indicate that 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 which once renourished will require periodic renourishment to maintain the project design dimensions.

<u>Project Benefits:</u> The renourishment benefits the local economy by attracting tourists and benefit locals by providing a beautiful beach. After beach renourishments there is an increase in sea turtle nesting.

Use of Innovative Applications of existing technologies: n/a

Nourishment Inter	rval (years):	:
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Project Performance:

The beach was improved in 1995 with the placement of approximately 2,600 cubic yards of sand from upland sources. After Hurricane Opal, Rest Beach was filled with approximately 944 tons of sand. Following damage by Hurricane Georges, the beach was nourished with approximately 1,604 tons of sand. After Hurricane Irene hit in 1999 the beach was nourished with 872 tons of sand. In January 2006 the berms were rebuilt following the 2005 hurricane season with approximately 654 tons. In November of 2009 approximately 682 tons of sand was placed on the berm to replace sand lost due to TS Faye in 2008. Apart from the damage the beach has sustained due to storms & hurricanes, Rest Beach continues to lose sand on an annual basis.

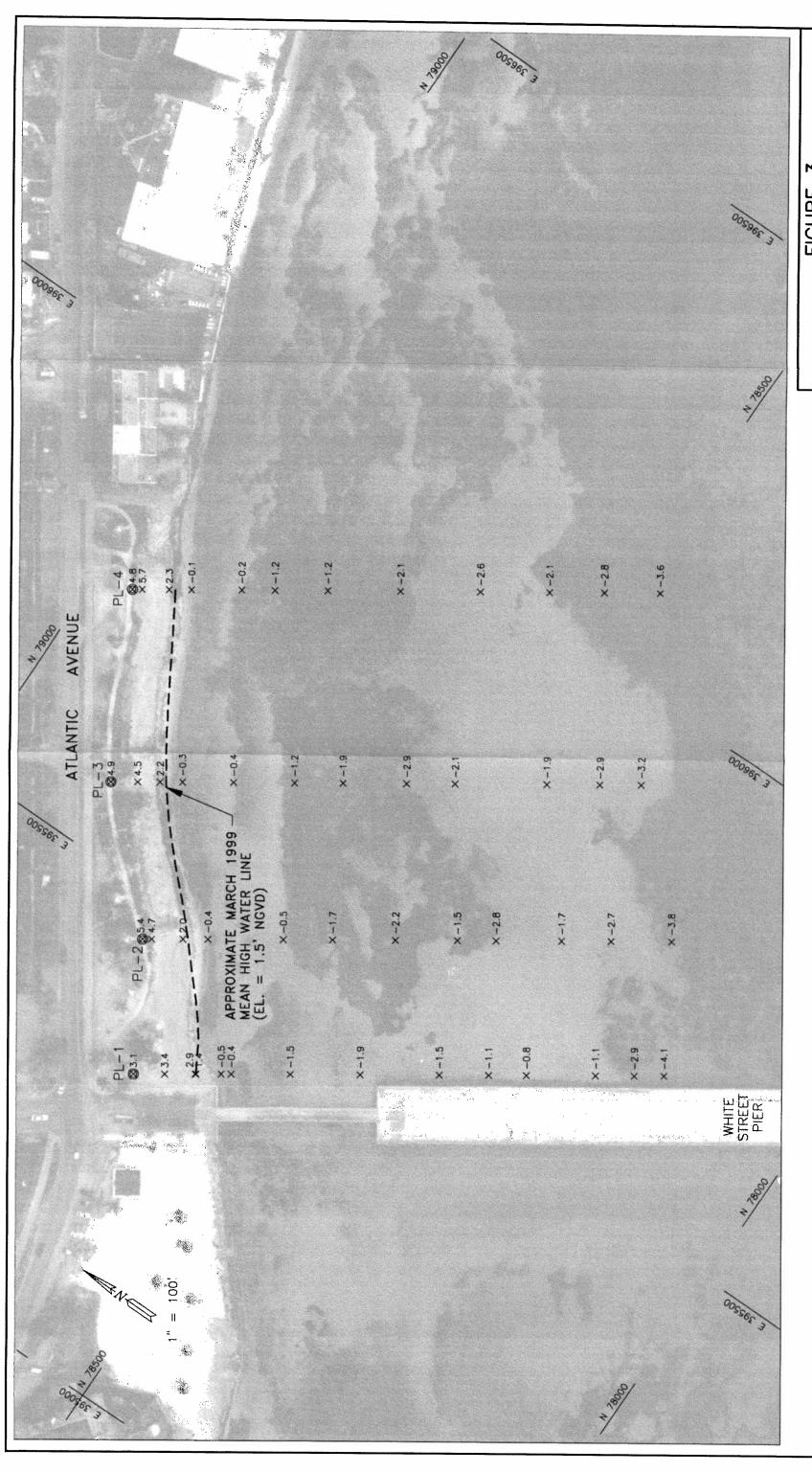


FIGURE 3 CITY OF KEY WEST, FLORIDA REST BEACH PLAN VIEW

COASTAL PLANNING & ENGINEERING, INC. 2481 NW BOCA RATON BLVD. BOCA RATON, FL 33431