

FY 2010-11 Local Government Funding Request

Project Name: Lovers Key Restoration

Project Description: The project consists of the restoration and maintenance of approximately 1.1-miles of shoreline on Lovers Key. The project shoreline is compromised entirely of critically eroded shoreline from R-214.5 and R-221.5. Construction entailed the placement of 570,240 cubic yards of beach fill along 6,280 LF of shoreline. Construction was completed in October 2004.

Use of Requested Program Funds: Funds requested for FY10/11 will be used design and permitting tasks in preparation of construction in FY 12/13.

Local Government Support

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

Name	Title	Email	Percent Commitment
Robert Neal	Coastal Engineer	Rneal@leegov.com	100%
Address 1:	1500 Monroe St.	Phone:	239.533.8566
Address 2:	Ft. Myers, Fl 33901	Fax:	239.484.8408

Quarterly Report Compliance:

2008-2009	End Date	Report Sent	Compliant
Qtr 1 (Sept)	Sept. 30	Oct. 31	Yes
Qtr 2 (Dec)	Dec. 31	Feb. 2	Yes
Qtr 3 (Mar)	Mar. 31	May 8	Yes
Qtr4 (June)	June 30	Aug. 6	Yes

Revenue for the local cost share will be provided by: Local funding for the project will be obtained from the Lee County Tourist Development Council (TDC). The TDC provides a dedicated long term funding source through a ‘bed tax’. The tax allocates 1.65% of all revenue generated from short term or seasonal rentals (less than 6 months) for beach and shoreline improvements.

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

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? Yes

Mapping- Maps are provided as attachments.

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

Mapping elements include:

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

Length of Project Boundary in Feet: 6,280 feet

Length of commercial or recreational property fronting the project shoreline:
6,280 feet

Percentage of project shoreline designated as commercial or recreational property
100%

Eligibility: Access Points and Public Lodging Establishments:

Location/ Name	Address	R- Mon	Type of Access	Width of Access/ Frontage	Total units or parking spaces	No. Public	Eligible shoreline
Lovers Key State Park	8700 Estero Blvd. Ft. Myers Beach, FL. 33931	R218.5	Primary	4,359	350	350	6,280

Additional Ranking Criteria

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

Will this project nourish a previously restored shoreline? Yes

Rate of Erosion as determined by the Bureau based on long term data (ft/yr) n/a

Severity of erosion: Lovers Key has experienced approximately 60 feet of shoreline erosion since construction in 2004. A large portion of Lovers Key (R-214 – R-222) has also been designated as critically eroded by FDEP. Approximately 2,600 linear feet of the tramway that connects the 350-space public parking area to the beachfront and 400 linear feet of pedestrian bridge are located seaward of the CCCL. New restrooms and beach pavilion are also seaward of the CCCL. An emergency dune restoration project was constructed in 1998 and again in 2000 to offset continued shoreline erosional losses in the vicinity of these structures. Construction of the Lovers Key segment was completed in 2004.

Project Benefits:

Lovers Key ownership is split by the State of Florida and Lee County; and is designated as Lovers Key/Carl E. Johnson State Recreation Area (a public recreational facility). Carl Johnson Park was leased to the State for inclusion in Lovers Key State Recreational Area. The park has a tramway and pedestrian bridge that connects the 350-space public parking area to the beachfront. The facility includes new restrooms and a beach pavilion.

Use of Innovative Applications of existing technologies: The nourishment project is expected to be completed with conventional hydraulic dredging technology. No new innovative applications of existing technologies are anticipated.

Nourishment Interval (years):

7

Project Performance

The beachfill is designed for a 7-year nourishment interval. The initial shoreline restoration occurred in 2004 with nourishment interval anticipated in FY 12/13. The shoreline has eroded an average of 60 feet of the original 182 foot extension. The majority of the recession is due to the shoreline equilibration during the 1st year post construction. Recession during the 2nd year averaged 9 ft and during the 3rd year the shoreline accreted an average of 4.0 ft.

BIG CARLOS PASS

TITLE: LONG RANGE BUDGET PLAN
2010 / 11 SUBMITTAL
LOVERS KEY
BEACH RESTORATION

NATURAL RESOURCES DIV
1500 Monroe St. Fort Myers, Florida 33901
Ph. (239) 533-8109/10 Fax. (239) 485-8408

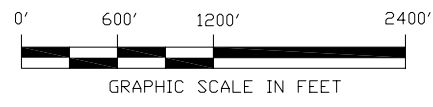
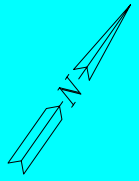
LEE COUNTY
SOUTH WEST FLORIDA

FILE: S:\NATRES\MARINE\BEACH\MANAGEMENT\
DEP_LONG_RANGE_PLAN\09_SUBMITTAL\
DRAWINGS\LOVERS_KEY.dwg
DESIGN:
DRAWN:
APPROVED:

SCALE:
1" = 1200'

SHEET:
01 OF 01

ELIGIBLE PROJECT SHORELINE
6,280 L.F.
4,356 STATE OWNED
1,924 COUNTY OWNED STATE MAINTAINED



- NOTES:
1. SHORELINE LENGTH MEASURED ALONG CCCL.
 2. CCCL AND PLAT INFORMATION PROVIDED BY LEE COUNTY PROPERTY APPRAISER'S OFFICE.
 3. DNR MONUMENT LOCATIONS PROVIDED BY FDEP.
 4. REF. ATTACHED SHT. FOR ELIGIBILITY CALCULATION.

- LEGEND
- HOTEL/MOTEL
 - MULTI-FAMILY
 - COMMERCIAL
 - SINGLE FAMILY
 - UNDEVELOPED/VACANT
 - RECREATIONAL
 - PUBLIC PARKING SPACES
 - PUBLIC RESTROOM FACILITY
 - DEP REFERENCE MONUMENTS
 - CCCL
 - PROPERTY LINE

