

FY2023/2024 Local Government Funding Request
Final Beach Project Assessment

Project Name	US Army Corps Lido Key Beach Restoration Project - Lido Beach Hurricane & Storm Damage Reduction Project
Local Sponsor	City of Sarasota

Initial Assessment	8/12/2022
Group Assessment	9/7/2022
Draft Assessment	9/15/2022
Final Review	10/20/2022

Project Description
The Lido Beach Hurricane and Storm Damage Reduction Project is located between Department of Environmental Protection (Department or DEP) reference monuments R34 and R44 along the Gulf of Mexico in the City of Sarasota in Sarasota County, Florida. This project is expected to provide for periodic renourishment, every 5-7 years. This project began in 1997. Since that time, the Army Corp has completed the Lido Key Feasibility Report and we have received the Chiefs report. The WRDA bill that was passed in 2008 includes Lido Beach. The project initial renourishment was completed in May 2021. This request is to add additional funding for the protective dunes along the shoreline for protection of the beach and to provide some added protection to the upland structures and habitat and to increase the level of protection from the 10-year storm to the 25-year storm event. This request also including monitoring for the Lido Beach Hurricane and Storm Damage Reduction Project. DEP staff has determined 100% of the project is eligible for state cost share.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Design (reimbursement FY 20/21), Construction (Current & FY21/22), and Monitoring (Current & FY 21/22 & FY 22/23)

State cost share %	50.00%
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Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0	\$0	\$0	\$0
Design	50.00%	\$0	\$25,000	\$25,000	\$50,000
Construction	50.00%	\$0	\$950,000	\$950,000	\$1,900,000
Year 1 Monitoring	50.00%	\$325,000	\$404,250	\$404,250	\$1,133,500
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$325,000	\$1,379,250	\$1,379,250	\$3,083,500

Federal cost share %	10.54%
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Federal agency and description	USACE Monitoring shares are not a consistent percentage but results in 10.54% of total cost or 28.67% of monitoring total.
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TOTAL PROJECT SCORE (100 points)	42.7
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Tier 1

Tourism-related impacts		
Return on investment (10 points)	Score	6.7

Local Sponsor: Project is requesting construction & monitoring

Department: N/A

Construction + Year 1 Monitoring Cost: \$1,354,250.00

Value: \$1,354,250.00

Economic impact (10 points)	Score	8.1
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Local Sponsor: N/A

Department: Sarasota County, 2020 data. Tourism-related sales tax data = \$78,180,101.79.
County sales tax collections = \$659,466,846.55

Value: 0.11855047

Tier 2

Federal involvement

Federal authorization (5 points)	Score	3
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Local Sponsor: Yes

Department: Verified by A.S: documentation showed authorization by USACE

Federal cost share (5 points)	Score	0.9
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Local Sponsor: Yes

Department: Verified - contract included refers to Federal cost share

Federal funds available (5 points)	Score	0
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Local Sponsor: 325,000.00

Department: No work plan, but contract is included; furthermore, construction was performed and reimbursement asked for in 23/24 LGFR

Storm damage reduction benefits

Current conditions (8 points)	Score	0
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Local Sponsor: 9.9 ft/yr

Department: The most recent beach restoration was completed in December 2020. An updated survey is not available to determine advance nourishment loss and the project is therefore not eligible for the award of points.

CEG calculated value: 0

Threat to upland development (2 points)	Score	2
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Local Sponsor: N/A

Department: The May 2021 post-construction survey was used to determine threat to upland property. SBeach results indicate substantial storm surge overtopping the Lido Key beyond the landward limits of the survey profiles (and shoreline properties). Therefore, a full 2 points are awarded.

CEG calculated value: 2

Value of upland property (5 points)	Score	3.3
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Local Sponsor: N/A

Department: \$1,495,049,800.00

Total value: \$1,495,049,800.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	1.1
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Local Sponsor: Vol=720,000 cy nourishment interval=5 yrs

Department: Construction cost = \$350,000, Volume = 10,000 cy, Length = 9,379
Value: ft, Nourishment Interval = 4 yrs
 4.9259

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	5
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Local Sponsor: Enhanced longevity: Dune construction
Local Sponsor: Groin construction

Department: The project proposes protective dunes and structures to increase the design rating from a 1-in-10 to 1-in-25 year storm event. Therefore, it is eligible for the award of 5 points.

Tier 3

Previous state commitment

Previously funded phases (1 point)	Score	1
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Local Sponsor: Yes

Department: Monitoring and dune design was previously funded in FY 21/22

Total amount of previous funding (3 points)	Score	1.4
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Local Sponsor: N/A

Department: \$6,853,853.00
Total funds: \$6,853,853.00

Previous partial appropriation (1 point)	Score	0
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Local Sponsor: No

Department: Verified

Recreational benefits

Accessible beach area (2 points)	Score	0.5
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Local Sponsor: 2,685,750 ft²

Department: Design shoreline is 124 feet seaward of the May 2000 MHWL and is bounded by the ECL on the landward edge. As calculated by GIS: 1,447,591 ft²
Total area: 1447591 ft²

Recreational benefits (3 points)	Score	2.2
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Local Sponsor: Project length 13,550 ft - 75%

Department: 72%: based on open air and public spaces zoning measurements
Percentage: 0.72

Mitigation of inlet effects (5 points)	Score	0
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Local Sponsor: IMS study provided data to use Big Pass sand formerly on Lido to nourish Lido once again but in a way that will help relieve some pressure on the channel

The project is within the influence area of New Pass and Big Sarasota Pass.
 However, there are no adopted IMPs for either inlet. Therefore, 0 points are awarded.

Department:

CEG calculated value: 0

Volume/mile/year (5 points)	Score	2.5
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Local Sponsor: N/A

Department: Volume = 10,000 cy, Length = 9,379 ft, Nourishment Interval = 4 yrs
CEG calculated value: 1407.4

Tier 4

Successive unfunded requests (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Environmental habitat enhancement (5 points)	Score	0
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Local Sponsor: No

Department: The project is not within a designated critical habitat area. Therefore, 0 points are awarded.

Overall readiness to proceed

Readiness to construct (1 point)	Score	1
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Local Sponsor: N/A

Department: N/A

Active permits (1 point)	Score	1
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Local Sponsor: 0039755-003-JC 7/2/2030 & 0333315-003-JN 04/09/2025 & SAI-2014-02347 -SP-MEP 2/4/2031

Department: Verified

Easements acquired (1 point)	Score	1
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Local Sponsor: Yes

Department: Verified

Local funds secured (1 point)	Score	1
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Local Sponsor: Yes

Department: Draft Resolution was submitted by application deadline.

Erosion Control Line established (1 point)	Score	1
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Local Sponsor: Yes

Department: Verified