

FY2025/2026 Local Government Funding Request

Final Beach Project Assessment

Project Name	Lovers Key Beach Nourishment Project
Local Sponsor	Lee County

Initial Assessment	8/23/2024
Group Assessment	8/27/2024
Draft Assessment	9/2/2024
Final Review	10/8/2024

Project Description
The Lovers Key Beach Nourishment Project is located between DEP monuments R214.5 and R220.5 in Lee County. The dune restoration project was completed on Lovers Key State Park in 2004. Then another nourishment was completed in December of 2014 in conjunction with the Bonita Beach Project. Construction was then completed in December of 2020. This project was impacted by tropical cyclones and Hurricane Ian in 2022. The next nourishment was planned for 2024/2025. The requested funds are for construction and year 1 post-construction monitoring. Staff have determined that 100% of the project is eligible for state cost sharing.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Construction (FY24/25 reimbursement) and post-construction monitoring (year 1, current FY25/26 reimbursement).

State cost share %	83.45% , 50%
--------------------	--------------

Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0.00	\$0.00	\$0.00	\$0.00
Design	0.00%	\$0.00	\$0.00	\$0.00	\$0.00
Construction	83.45%	\$0.00	\$6,887,539.91	\$1,365,953.09	\$8,253,493.00
Year 1 Monitoring	50.00%	\$0.00	\$30,000.00	\$30,000.00	\$60,000.00
Year 2+ Monitoring	0.00%	\$0.00	\$0.00	\$0.00	\$0.00
Total Project Costs		\$0.00	\$6,917,539.91	\$1,395,953.09	\$8,313,493.00

Federal cost share %	0.00%
----------------------	-------

Federal agency and description	
--------------------------------	--

TOTAL PROJECT SCORE (100 points)	41.5
---	------

Tier 1

Tourism-related impacts		
Return on investment (10 points)	Score	2.3

Local Sponsor:

Project is requesting construction funds.

Department:
Construction + Year 1 Monitoring Cost: \$6,917,539.91
Value: 21.1

Economic impact (10 points)	Score	5.9
-----------------------------	-------	-----

Local Sponsor: N/A

Department: Lee County, most current complete calendar data. Tourism-related sales tax data = \$145,777,633.49. County sales tax collections = \$1,340,193,047.00
Value: 10.88

Tier 2

Federal involvement

Federal authorization (5 points)	Score	0
----------------------------------	-------	---

Local Sponsor: No

Department: Verified

Federal cost share (5 points)	Score	0
-------------------------------	-------	---

Local Sponsor: No

Department: Verified

Federal funds available (5 points)	Score	0
------------------------------------	-------	---

Local Sponsor: No

Department: Verified

Storm damage reduction benefits

Current conditions (8 points)	Score	8
-------------------------------	-------	---

Local Sponsor: Attached reports were submitted with the application.

Department: Beach nourishment was completed in December 2014 with the latest survey received by the Department in May 2023. 137.73% of the 97,776.9 cy of advanced nourishment was lost over this interval for a total score of 8

CEG calculated value: 8

Threat to upland development (2 points)	Score	0
---	-------	---

Local Sponsor: N/A

Department: CEG determined the project protects upland structures from a 25-year storm event.

CEG calculated value: 0

Value of upland property (5 points)	Score	0.4
-------------------------------------	-------	-----

Local Sponsor:

Department:
Total value:

Calculated by GIS with 2023 data.
\$4,739,784.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	5.7
-----------------------------------	-------	-----

Local Sponsor:

Sand placement vol. = 582,500 cy, nourishment int. = 10 years

Department:
Value:

Construction cost = \$8,253,493.00, volume = 582,500 cy, length = 1.14 mi,
nourishment interval = 10 yrs
1.24

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	3
--	-------	---

Local Sponsor:

Enhanced longevity, Dune Addition, and Regionalization

Department:

Dune addition has been verified by the Department and eligible for 3 points.

Tier 3

Previous state commitment

Previously funded phases (1 point)	Score	1
------------------------------------	-------	---

Local Sponsor:

Yes

Department:

The department has previously provided cost-share on an approved feasibility study or design phase for this project.

Total amount of previous funding (3 points)	Score	2.1
---	-------	-----

Local Sponsor:

N/A

Department:
Total funds:

Fiscal year 2015/2016 through 2024/2025
\$14,500,452.00

Previous partial appropriation (1 point)	Score	0
--	-------	---

Local Sponsor:

Yes

Department:

No partial appropriations in 3 previous fiscal year applications, not eligible for the award of points.

Recreational benefits

Accessible beach area (2 points)	Score	0.1
----------------------------------	-------	-----

Local Sponsor:

Area bounded by ECL and +40' design profile. 236,000 ft²

Department:
Total area:

Calculated by CEG/GIS staff
236,000 ft²

Recreational benefits (3 points)	Score	3
----------------------------------	-------	---

Local Sponsor: 100%

Department: Verified - Project is located within Lovers Key State Park

Percentage: 100%

Mitigation of inlet effects (5 points)	Score	0
--	-------	---

Local Sponsor: Project is within the AOI of Big Carlos Pass to the North and New Pass to the south, a regional inlet management study was just completed.

Department: There is not adopted IMP for Big Carlos Pass or New Pass, therefore not eligible for the award of points.

CEG calculated value: 0

Volume/mile/year (5 points)	Score	5
-----------------------------	-------	---

Local Sponsor:

Department: volume = 582,500 cy, length = 6,027.30
nourishment interval = 10 years

CEG calculated value: 51,027.82 cy/mi/yr

Tier 4

Successive unfunded requests (5 points)	Score	0
---	-------	---

Local Sponsor: No

Department: Verified no successive unfunded requests. Not eligible for award of points.

Environmental habitat enhancement (5 points)	Score	0
--	-------	---

Local Sponsor: This project is not within a designated critical habitat area that is subject to extensive shoreline armoring.

Department: The project boundary intersects critical habitat area. The shoreline is 0% armored which is less than the 30% threshold. Therefore, the project is not eligible for the award of points.

Overall readiness to proceed

Readiness to construct (1 point)	Score	1
----------------------------------	-------	---

Local Sponsor: N/A

Department: Eligible for the award of additional point.

Active permits (1 point)	Score	1
--------------------------	-------	---

Local Sponsor: State: 0311811-001-JC (6/24/2028)
Federal: SAJ-2012-00198 (IP-MJD) (9/3/2028)

Department: Verified

Easements acquired (1 point)	Score	1
------------------------------	-------	---

Local Sponsor:

Yes

Department:

Verified

Local funds secured (1 point)	Score	1
-------------------------------	-------	---

Local Sponsor:

Yes

Department:

Signed Resolution was submitted by application deadline.

Erosion Control Line established (1 point)	Score	1
--	-------	---

Local Sponsor:

Yes

Department:

Verified