

FY2025/2026 Local Government Funding Request

Final Beach Project Assessment

Project Name	Longboat Key Beach Nourishment Project
Local Sponsor	Town of Longboat Key

Initial Assessment	8/23/2024
Group Assessment	8/27/2024
Draft Assessment	9/2/2024
Final Review	10/8/2022

Project Description
The Longboat Key Beach Nourishment Project is located between DEP monuments R42 and R67.5 in Manatee County and between R1 and R29 in Sarasota County. The first restoration of Longboat Key was completed in 1993. A nourishment was completed in 2006. In 2016, smaller iterim projects that included Central Key truck haul, New Pass/Longboat Pass dredging and South End supplemental projects were completed. Emergency truck hauls were completed in 2016 after Hurricane Hermine. A placement of sand near the North End Permeable Adjustable Groins was completed in 2018. The most recent nourishment was completed in 2021. The requested funds are for design, construction, and monitoring. Staff have determined that 57.72% of the project is eligible for state cost sharing.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Design (FY24/25 reimbursement & current FY resimbusrment), construction (current FY reimbursement), and monitoring (2+ years).

State cost share %	28.86%
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Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0.00	\$0.00	\$0.00	\$0.00
Design	28.86%	\$0.00	\$75,679.00	\$186,549.00	\$262,228.00
Construction	28.86%	\$0.00	\$72,150.00	\$177,850.00	\$250,000.00
Year 1 Monitoring	0.00%	\$0.00	\$0.00	\$0.00	\$0.00
Year 2+ Monitoring	28.86%	\$0.00	\$150,072.00	\$369,928.00	\$520,000.00
Total Project Costs		\$0.00	\$297,901.00	\$734,327.00	\$1,032,228.00

Federal cost share %	0.00%
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Federal agency and description	
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TOTAL PROJECT SCORE (100 points)	53.9
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Tier 1

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

Local Sponsor: Project is requesting construction funds.

Department:

Construction + Year 1 Monitoring Cost: \$72,150.00

Value: 936.1

Economic impact (10 points)	Score	7.9
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Local Sponsor: N/A

Department:

Manatee County, most current complete calendar data. Tourism-related sales tax data = \$86,388,155.60. County sales tax collections = \$647,864,586.00

Value: 13.33

Tier 2

Federal involvement

Federal authorization (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Federal cost share (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Federal funds available (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Storm damage reduction benefits

Current conditions (8 points)	Score	3.8
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Local Sponsor: 352,000 cy lost and 513,300 cy placed (2021 & 2023- approx.), OAI, 2024lb, in prep.

Department: Beach nourishment was completed in Spring/Summer 2021 with the latest survey received by the Department in October 2023. 66.62% of the 497,630 cy of advanced nourishment was lost over this interval for a total score of - $\log(1-0.6662) \times 8 = 3.8$

CEG calculated value: 3.8

Threat to upland development (2 points)	Score	0.5
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Local Sponsor: N/A

Department:

The SBEACH model was run using October 2023 survey profiles for the 25-year return interval storm conditions for the beach segments. The model results were overlaid on aerial imagery and showed 2,707.06 feet of unarmored property was threatened. This equates to 5.09% of the project length. Hence, the value for threat to upland development is .5 points.

CEG calculated value: 0.5

Value of upland property (5 points)	Score	4.5
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Local Sponsor:

Department: Calculated by GIS with 2023 data.
Total value: \$8,553,710,111.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	10
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Local Sponsor: Proposed volume = 300,000 cy, nourishment int. = 7.75 years

Department: Construction cost = \$250,000.00, volume = 300,000 cy, length = 10.05 mi,
Value: nourishment interval = 7.75 yrs
.0107 \$/cy/mi/yr

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	3
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Local Sponsor: None proposed

Department: Enhanced longevity is verified by the Department and eligible for 3 points.

Tier 3**Previous state commitment**

Previously funded phases (1 point)	Score	1
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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	2.7
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Local Sponsor: N/A

Department: Fiscal year 2015/2016 through 2024/2025
Total funds: \$19,999,767.89

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

Department: No partial appropriations in 3 previous fiscal year applications, not eligible for the award point.

Recreational benefits

Accessible beach area (2 points)	Score	2
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Local Sponsor: 4,801,963 ft²

Department: Calculated by CEG/GIS staff

Total area: 6,098,400 ft²

Recreational benefits (3 points)	Score	0.3
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Local Sponsor: 9%

Department: Verified that 9% of the space is recreational/commercial/lodging.

Percentage: 9%

Mitigation of inlet effects (5 points)	Score	2.2
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Local Sponsor: N/A

Department: The project is within the influence of the Longboat Pass. Since the proposed bypass objective in 2008, 44.7% of the bypassing objective has been supplied by construction. .447 x 5 = 2.2 points.

CEG calculated value: 2.2

Volume/mile/year (5 points)	Score	1.0
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Local Sponsor: N/A

Department: volume = 3000,000 cy, length = 53,083 ft,
nourishment interval = 7.75 years

CEG calculated value: 3,850.33 cy/mi/yr

Tier 4

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

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

Environmental habitat enhancement (5 points)	Score	0
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Local Sponsor: This project is not with in a designated critical habitat area that is subject to extensive shoreline armoring.

Department: The project boundary intersects critical habitat area. The shoreline is 24.6% 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
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Local Sponsor: N/A

Department: Eligible for the award of additional point.

Active permits (1 point)	Score	1
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Local Sponsor: State: JCP 0296464-010-JN (10/26/2026)
Federal: SAJ-2009-03350-IP-MEP (10/26/2026)

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, signed resolution was submitted with application.

Department: Signed Resolution was submitted by application deadline.

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

Department: Verified