

FY2025/2026 Local Government Funding Request

Final Beach Project Assessment

Project Name	Anna Maria Island Beach Nourishment Project
Local Sponsor	Manatee County

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

Project Description
The Anna Maria Island Beach Nourishment Project is located between DEP monuments R33 and R41.5 in Manatee County. Five projects are currently active: Coquina Beach Nourishment, Coquina Beach Stabilization (Structures), Longboat Pass Jetty, Mitigation Reef, and the Gulf Drive Stabilization and Scour Protection at North Coquina Beach. Restoration of this project was completed in 2011. Then two more nourishments were completed in 2014 and 2020. In 2021 sand was placed on Coquina Beach to repair damages from Hurricane Hermine and Irma. The next nourishment is scheduled for 2026/2027. The requested funds are for Design, Construction and 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)
FY25/26: - Monitoring: Physical Monitoring Non-Federal (Report Only) Year 5 - Monitoring: Coquina Beach Stablization - Year 2 Physical Monitoring - Monitoring: Mitigation Reef - Year 2 Biological Monitoring - Monitoring: Longboat Pass Jetty - Year 2 Physical Monitoring - Construction: Longboat Pass Jetty Reconstruction Construction (Additional Funds) - Design: Coquina Beach Storm Damage Reapir Project (SDRP) (Idalia) Engineering, Design, Permitting, Supervision & Admin - Construction: Coquina Beach SDRP (Idalia) Construction - Monitoring: Coquina Beach SDRP - Immed Post Sea Turtle and Shorebird Monitoring/Coquina Beach Stabilization - Year 2 Sea Turtle Monitoring - Design: Coquina Beach Nourishment - Design, Engineering, Permitting - Design: Gulf Drive Stabilization and Scour Protection at North Coquina Beach - Design, Engineering, Permitting - Construction: Gulf Drive Stabilization and Scour Protection at North Coquina Beach - Construction FY26/27 - Monitoring: Coquina Beach SDRP - Year 1 Physical Monitoring (Report Only) - Monitoring: Coquina Beach SDRP - Year 1 Hardbottom Biological Monitoring - Monitoring: Coquina Beach SDRP - Year 1 Beach Tilling

State cost share %	50.00%
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Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0.00	\$0.00	\$0.00	\$0.00
Design	50.00%	\$0.00	\$187,500.00	\$187,500.00	\$375,000.00
Design (FEMA)	50.00%	\$446,175.00	\$74,362.50	\$74,362.50	\$594,900.00
Construction	50.00%	\$0.00	\$2,000,000.00	\$2,000,000.00	\$4,000,000.00
Construction (FEMA)	50.00%	\$3,019,693.00	\$503,282.00	\$503,282.00	\$4,026,257.00
Year 1 Monitoring	50.00%	\$0.00	\$63,450.00	\$63,450.00	\$126,900.00
Year 2+ Monitoring	50.00%	\$0.00	\$109,400.00	\$109,400.00	\$218,800.00
Total Project Costs		\$3,465,868.00	\$2,937,994.50	\$2,937,994.50	\$9,341,857.00

Federal cost share %	0.00%
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Federal agency and description	FEMA - The Coquina Beach Storm Damage Repair from Hurricane Idalia in August of 2023. FEMA funding is pending approval.
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TOTAL PROJECT SCORE (100 points)	39.3
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Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	2.7
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Local Sponsor: Project is requesting construction funds.

Department:

Construction + Year 1 Monitoring Cost: \$2,566,732.00

Value: 26.3

Economic impact (10 points)	Score	7.3
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Local Sponsor: N/A

Department: Manatee County, most current complete calendar data. Tourism-related sales tax data = \$67,537,941.79. County sales tax collections = \$541,315,544.00

Value: 12.48

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: FEMA - pending funding approval

Department: No approved project worksheet submitted.

Storm damage reduction benefits

Current conditions (8 points)	Score	7.7
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Local Sponsor: 27,000 cy per year

Department:

Beach nourishment was completed in March 2021 with the latest survey received by the Department in December 2022. 89.16% of the 56,533.9 cy of advanced nourishment was lost over this interval for a total score of $-\log(1-0.8916) \times 8 = 7.7$.

CEG calculated value: 7.7

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

Department: The SBEACH model was run using December 2022 survey profiles for the 25-year return interval storm conditions for the beach segments. The model results were overlaid on aerial imagery and showed 1,628.50 feet of unarmored property was threatened. This equates to 20.3% of the project length. Hence, the value for threat to upland development is 2 points.

CEG calculated value: 2

Value of upland property (5 points)	Score	1.1
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Local Sponsor:

Department: Calculated by GIS with 2023 data.

Total value: \$329,365,455.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	2.4
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Local Sponsor: Sand placement vol. = 74,800 cy, nourishment int. = 4-6 years

Department: Construction cost = \$7,957,957.00, volume = 74,800 cy, length = 1.521 mi, nourishment interval = 5 yrs

Value: 13.98 \$/cy/mi/yr

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

Department: Enhanced longevity and dune addition has been verified by the Department and eligible for 5 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	2.3
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Local Sponsor: N/A

Department: Fiscal year 2015/2016 through 2024/2025

Total funds: \$15,622,196.50

Previous partial appropriation (1 point)	Score	0
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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	0.4
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Local Sponsor:

The total area between the 2019 MHW and the ECL is approximately 315,369 ft²

Department:

Calculated by CEG/GIS staff

Total area:

712,877 ft²

Recreational benefits (3 points)	Score	2.9
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Local Sponsor:

100% recreational.

Department:

Residential from R33 to 347' south. Commercial/Open Space 7,686'.

Total 7,686 / 8,033 = 95.6%

Percentage:

95.6%

Mitigation of inlet effects (5 points)	Score	0
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Local Sponsor:

Rehabilitation of the Longboat Pass Jetty will provide stability to Coquina Beach by retaining sand updrift of the jetty and preventing increased shoaling of Longboat pass Inlet. Jetty rehabilitation and construction of the offshore breakwaters will maintain the integrity of the nourished beach and improve the balance of erosion along Coquina Beach.

Department:

The project is adjacent to the inlet Longboat Pass, however, due to it being north of the inlet there is no bypassing objective to the north, therefore is not eligible for the award of points.

CEG calculated value:

0

Volume/mile/year (5 points)	Score	1.5
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Local Sponsor:

N/A

Department:

Volume = 74,800 cy, Length = 8,033 ft,

Nourishment Interval = 5 yrs

CEG calculated value:

9,833.04 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 award of points.

Environmental habitat enhancement (5 points)	Score	0
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Local Sponsor:

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	0
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Local Sponsor: N/A

Department: Ineligible for the reward of an additional point.

Active permits (1 point)	Score	0
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Local Sponsor: State: JCP 298107-009-JN (3/19/2030)
Federal: SAI-2014-00606 (3/21/2031)

Department: Not all permits are required are active/issued , therefore not eligible for the award of a point.

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: Resolution is scheduled for County approval 8/27/2024 and will be provided.

Department: Signed resolution was submitted.

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

Department: Verified