

FY2025/2026 Local Government Funding Request

Final Beach Project Assessment

Project Name	MacArthur Boulevard Dune Project
Local Sponsor	Martin County Board of County Commissioners

Initial Assessment	8/23/2024
Group Assessment	8/26/2024
Draft Assessment	9/3/2024
Final Review	10/8/2024

Project Description The MacArthur Boulevard Dune Project is located between DEP monuments R25 and R34.7 in Martin County. This is a local add-on to the Federal Martin County Shore Protection Project, with no federal funding or involvement. In addition to extending project life, the proposed dunes will provide critical storm damage reduction to residents and protect a critical hurricane evacuation route (MacArthur Blvd). This is the first LGFR funding request for this project. The requested funds are for Construction and Year 1 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, Year 1 Monitoring

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	0.00%	\$0	\$0	\$0	\$0
Construction	50.00%	\$0	\$2,000,000	\$2,000,000	\$4,000,000
Year 1 Monitoring	50.00%	\$0	\$150,000	\$150,000	\$300,000
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$2,150,000	\$2,150,000	\$4,300,000

Federal cost share %	0.00%
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Federal agency and description	
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TOTAL PROJECT SCORE (100 points)	22.4
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Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	1.4
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Local Sponsor:

Project is requesting construction funds.

Department:
 Construction + Year 1 Monitoring Cost: \$3,150,000.00
 Value:

Economic impact (10 points)	Score	0.5
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Local Sponsor: N/A

Department: Martin County, most recent calendar year data. Tourism-related sales tax data = \$12,523,610.81. County sales tax collections = \$288,075,564.00.
 Value: 0.043473353

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 response.

Department: None.

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

Department: None.

Storm damage reduction benefits

Current conditions (8 points)	Score	8
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Local Sponsor: No response.

Department: 199.76% of advance nourishment has been lost since 2005, therefore 8 points are awarded.

CEG calculated value 8

Threat to upland development (2 points)	Score	1.9
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Local Sponsor: No Response

Department: Vulnerable length of 1613.23 ft. Project length of 8324.00 ft.
 CEG calculated value 19.40%

Value of upland property (5 points)	Score	0.7
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Local Sponsor: No response

Department:
Total value: \$168,989,610.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	2.9
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Local Sponsor: Construction cost = \$4000000, volume = 100,000 cy, length = 8448 ft or 1.6 mi, nourishment interval = As needed

Department: Construction cost = \$4,000,000, volume = 100,000 cy, length = 1.57 mi,
Value: nourishment interval = 5 yrs
\$5.46/cy/mi/yr

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	3
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Local Sponsor: Enhanced Longevity, dune addition, and regionalization

Department: Dune Addition only.

Tier 3

Previous state commitment

Previously funded phases (1 point)	Score	0
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Local Sponsor: No.

Department: Verified.

Total amount of previous funding (3 points)	Score	0.4
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Local Sponsor: N/A

Department: Fiscal year 2015/2016 through 2024/2025
Total funds: \$0.00

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

Department: No.

Recreational benefits

Accessible beach area (2 points)	Score	0
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Local Sponsor: The landward edge of the accessible beach width is represented by a dune scarp throughout much of the project area. The seaward edge of the beach is defined by the rock outcrops or the MHW line. Due to the unique geomorphology of this site, the beach is typically quite narrow, making the shoreline position change of ~4.3 ft quite significant.

Department: Dune project.

Total area: 0 sq ft.

Recreational benefits (3 points)	Score	1.2
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Local Sponsor: Approximately 60% based on Martins zoning classifications.

Department: Measured 40% of project length consists of Public Recreation, Public Service, or Open Space.

Percentage: 40%

Mitigation of inlet effects (5 points)	Score	0
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Local Sponsor: No.

Department: Nourishment within St. Lucie Inlet influence. Cumulative target bypassing quantity is being met.

CEG calculated value

Volume/mile/year (5 points)	Score	1.4
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Local Sponsor: No response.

Department: 100,000 cy/1.57 mi/5 years

CEG calculated value 12,686.21 cy/mi/yr

Tier 4

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

Department: No.

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

Department: 0% of project length is armored.

Overall readiness to proceed

Readiness to construct (1 point)	Score	0
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Local Sponsor: N/A

Department: Does not meet requirements for point.

Active permits (1 point)	Score	0
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Local Sponsor: State: No.
Federal: No.

Department: Modifications to permits are in progress.

Easements acquired (1 point)	Score	0
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Local Sponsor: No. Perpetual easements are being prepared and should be received prior to construction.

Department: Verified.

Local funds secured (1 point)	Score	1
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Local Sponsor: Yes, resolution going to the BOCC August 27.

Department: Signed resolution provided by deadline.

Erosion Control Line established (1 point)	Score	0
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Local Sponsor: No

Department: Verified.