

FY2025/2026 Local Government Funding Request

Final Beach Project Assessment

Project Name	Jupiter-Carlin Shore Protection Project (Segment I)
Local Sponsor	Palm Beach County

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

Project Description
The federally-authorized Jupiter-Carlin Shore Protection Project is located between DEP monuments R13 and R19 in Palm Beach County. The 1.05 mile long project was initially restored in 1995 and has had at least three additional nourishments in 2002, 2015 and 2021. The most recent dune restoration project was completed in January 2013 under the Emergency Final Order issued by the Department in response to Hurricane Sandy. Palm Beach County, the USACE and the Jupiter Inlet District collaborated on the April 2015 re-nourishment. The project receives routinebypass material from Jupiter Inlet and the Intracoastal Waterway. The USACE completed an FCCE Storm repair project in FY19/20, with the follow-up renourishment in December 2021 to completely fill the design template. Segment 1 suffered severe erosion due to the combined effects of Hurricane Ian, Nicole and the severe winter storms of fall and winter of 23/24. The requested funds are for borrow area design and phase 2 sand search, planned storm repair nourishment and first year 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)
Design (Borrow Area and Sand Search- Current), Construction (Storm Repair Nourishment- Current) and Monitoring (Yr 1 Monitoring- Current)

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	\$112,500	\$112,500	\$225,000
Construction	50.00%	\$0	\$3,000,000	\$3,000,000	\$6,000,000
Year 1 Monitoring	50.00%	\$0	\$50,000	\$50,000	\$100,000
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$3,162,500	\$3,162,500	\$6,325,000

Federal cost share %	54.00%
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Federal agency and description	USACE (construction)
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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	5
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Local Sponsor: Project is requesting construction funds.

Department: Only projects requesting construction funds are eligible for the point.

Construction + Year 1 Monitoring Cost: \$3,050,000.00
Value: 67.1

Economic impact (10 points)	Score	2.9
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Local Sponsor: N/A

Department: Palm Beach County, most current complete calendar data. Tourism-related sales tax data = \$204,654,857.57. County sales tax collections = \$2,365,652,667.00

Value: 8.65

Tier 2**Federal involvement**

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

Department: Verified

Federal cost share (5 points)	Score	4.2
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Local Sponsor: Yes 54%

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	5.1
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Local Sponsor: Historical erosion rate: - 2.1 ft/yr

Department: Beach nourishment was completed in November 2021 with the latest survey received by the Department in June 2023. 77.04% of the 182,215.8 cy of advanced nourishment was lost over this interval for a total score of $-\log(1-0.7704) \times 8 = 5.1$.

CEG calculated value: 5.1

Threat to upland development (2 points)	Score	0
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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	2
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Local Sponsor: \$647,424,243.00

Department: Calculated by GIS with 2023 data.

Total value: \$638,018,649

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	4.3
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Local Sponsor: Sand placement vol= 400,000 cy; nourishment int = 6 years

Department: Construction cost = \$6,000,000, volume = 400,000 cy, length =1.05 mi, nourishment interval = 6 yrs

Value: 2.372

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	0
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Local Sponsor: Regionalization

Department: Proposed project does not qualify for any of the elements and therefore not eligible for award of 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	1.7
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Local Sponsor: N/A

Department: Fiscal year 2015/2016 through 2024/2025

Total funds: \$7,990,000

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 point.

Recreational benefits

Accessible beach area (2 points)	Score	0.1
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Local Sponsor: 38,301 ft²

Department: Calculated by CEG/GIS Staff
Jupiter-Carlin Beach Restoration Project - Permit Drawings, Taylor Engineering Inc., June 2013. Calculated by CEG/GIS.

Total area: 38,301 sq/ft

Recreational benefits (3 points)	Score	2.3
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Local Sponsor: 76%

Department: Jupiter Beach Park (1,498 ft), Jupiter Beach Resort (400 ft), Carlin Park (2,374 ft). Total 4,272 ft/5,565 ft=76.77%

Percentage: 76.8%

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

Department: The project is within the influence of the Jupiter Inlet, which is meeting the bypassing objectives within the IMP. Therefore not eligible for the award of points.

CEG calculated value: 0

Volume/mile/year (5 points)	Score	4.1
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Local Sponsor: N/A

Department: Volume = 400,000 cy, Length = 5,565 ft,
Nourishment Interval = 6 yrs

CEG calculated value: 63,252.47

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:

The 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 21.8% armored which is less than the 30% threshold. Therefore, the project is not eligible for the award of 3 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: 0303863-006-JM (exp 06/08/2033)
Fed: SAJ-2017-00019 (MOD-LCK) (exp 09/19/2025)

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, draft resolution 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