

FY2023/2024 Local Government Funding Request

Final Beach Project Assessment

Project Name	North Boca Raton Shore Protection Project
Local Sponsor	City of Boca Raton

Initial Assessment	8/15/2022
Group Assessment	9/1/2022
Draft Assessment	9/14/2022
Final Review	10/20/2022

Project Description
The North Boca Raton Shore Protection Project includes 1.5 miles of shoreline between DEP monuments R205 and R212 in Palm Beach County. Restoration was completed in 1988 and nourishments have been completed in 1998, 2010, 2014, and 2020. The 2014 event repaired storm damages from Hurricane Sandy and the 2020 event repaired storm damages from Hurricane Matthew. Both projects were constructed by the USACE with funds from the Flood Control and Coastal Emergencies appropriation. The requested funds are for design of the upcoming 2026/2027 nourishment. 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 (current & reimbursement for 22/23)

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%	\$172,650	\$63,675	\$63,675	\$300,000
Construction	0.00%	\$0	\$0	\$0	\$0
Year 1 Monitoring	0.00%	\$0	\$0	\$0	\$0
Year 2+ Monitoring	50.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$172,650	\$63,675	\$63,675	\$300,000

Federal cost share %	57.50%
Federal agency and description	USACE - \$172,650

TOTAL PROJECT SCORE (100 points)	28.4
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Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	0
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Local Sponsor: Project is not requesting construction funds.

Department: Only projects requesting construction funds are eligible for the award of points.

Construction + Year 1 Monitoring Cost: n/a
Value:

Economic impact (10 points)	Score	4
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Local Sponsor: N/A

Department: Palm Beach County, 2021 data. Tourism-related sales tax data = \$146,030,636.69 . County sales tax collections = \$2,069,677,084.20
Value: 7.06

Tier 2

Federal involvement

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

Department: Verified. Local sponsor submitted cooperation agreement between the City of Boca Raton for the North Boca Raton Shore Protection Project.

Federal cost share (5 points)	Score	4.7
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Local Sponsor: 57.53%

Department: Local sponsor submitted cooperation agreement between the City of Boca Raton for the North Boca Raton Shore Protection Project. However local sponsor needs to provide documentation of specific federal cost share associated with the requested phases to maintain points in final assessment and federal funding associated with the costs of this agreement.

Federal funds available (5 points)	Score	5
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Local Sponsor: \$172,650

Department: Local sponsor submitted cooperation agreement between the City of Boca Raton for the North Boca Raton Shore Protection Project. However local sponsor needs to provide documentation of specific

federal cost share associated with the requested phases to maintain points in final assessment and federal funding associated with the costs of this agreement.

Storm damage reduction benefits

Current conditions (8 points)	Score	0
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Local Sponsor: -1.1 ft y

Department: The most recent beach restoration was completed in April 2020. A recent post-construction survey is not available to determine advance nourishment loss and the project is therefore not eligible for the award of points.

CEG calculated value: 0

Threat to upland development (2 points)	Score	0
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Local Sponsor: N/A

Department: A recent post-construction survey is not available since the most recent beach restoration in April 2020. Therefore, the design profile is in tact and the project is not eligible for the award of points.

CEG calculated value: 0

Value of upland property (5 points)	Score	2.4
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Local Sponsor:

Department: Calculated by GIS with 2021 data.

Total value: \$1,193,589,900.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	0
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Local Sponsor: Project is not requesting construction funds.

Department: The project is not requesting construction funds and therefore is not eligible for the award of points.

Value: N/A

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	0
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Local Sponsor: None proposed.

Department: Proposed project does not qualify for elements therefore not eligible for the award of points.

Tier 3

Previous state commitment

Previously funded phases (1 point)	Score	1
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Local Sponsor: Yes

Department: Verified

Total amount of previous funding (3 points)	Score	0.7
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Local Sponsor: N/A

Department: Fiscal year 2013/2014 through 2022/2023

Total funds: \$1,862,112.00

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

Department: No previous partial appropriation, not eligible for the award of points.

Recreational benefits

Accessible beach area (2 points)	Score	0.3
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Local Sponsor:

Department: The seaward edge of the accessible beach area is defined by a line 50 feet seaward of the 1988 June pre-construction MHWL. This is bound landward by the ECL (ATM, North Boca Monitoring, November 2018, Page 30). Calculated by CEG/GIS

Total area: 278,372 ft²

Recreational benefits (3 points)	Score	0.3
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Local Sponsor: 9.70%

Department: Spanish River Park 3653 feet and public land 300 feet. $3953/7630 = 51.8\%$

Percentage: 51.80%

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

Department: The project is not within the influence area of an inlet. Therefore, 0 points are awarded.

CEG calculated value:

Volume/mile/year (5 points)	Score	0
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Local Sponsor:

Department: The project is not requesting construction funds and therefore is not eligible for the award of points.

CEG calculated value: 0

Tier 4

Successive unfunded requests (5 points)	Score	0
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Local Sponsor: 2+

Department: All requests funded FY22/23, does not qualify for points.

Environmental habitat enhancement (5 points)	Score	0
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Local Sponsor: The project is not within a critical habitat for threatened or endangered species.

The City conducts annual night time beach lighting surveys. Section 23-242 of the City's Code of Ordinances regulates beach lighting of commercial and residential properties for sea turtle protection. This ordinance is applied to existing structures and new building permits.

Department: The project intersects a critical habitat area. 0% of the shoreline is armored which is less than the 30% threshold and ineligible 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:

Active permits (1 point)	Score	1
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Local Sponsor: State 0261499-007-JN (exp 2028)
SAJ-1986-00479/ SAJ-2000-00200(SP-LCK) (exp 2024)

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:

City CIP submitted with application

Department:

Signed resolution received by October 6th deadline.

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

Yes

Department:

Verified