

FY2023/2024 Local Government Funding Request

Final Inlet Project Assessment

Project Name	Boca Raton IMP Implementation
Local Sponsor	City of Boca Raton

Initial Assessment	8/17/2022
Group Assessment	9/1/2022
Draft Assessment	9/14/2022
Final Review	10/20/2022

Project Description
The Boca Raton Inlet is located at DEP monument R223 in Palm Beach County. The Boca Raton Inlet Management Plan was adopted in 1997. The plan established a bypassing objective of 71,300 cubic yards of sand annually. In 2004, the bypassing objective was revised and increased to 83,000 cubic yards. Bypassing activities and associated monitoring occur annually using a city-owned dredge that bypasses sand to a fixed outfall located on the beach south of the inlet. A second discharge pipe is being designed to provide an alternative location to bypass dredged sand further away from the inlet. Construction of the second discharge pipe is scheduled for 2022/2023. The requested funds are for design, annual bypassing with city dredge, and annual physical monitoring. Staff have determined that the project is eligible for a 50% state cost share.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Design, Construction, and 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	50.00%	\$0	\$40,000	\$40,000	\$80,000
Construction	50.00%	\$0	\$62,500	\$62,500	\$125,000
Year 1 Monitoring	50.00%	\$0	\$14,600	\$14,600	\$29,200
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$117,100	\$117,100	\$234,200

TOTAL PROJECT SCORE (80 points)	43.1
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Sand reaching the inlet (10 points)	Score	7.1
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Local Sponsor:

141,400 cy/yr

Department: Value obtained from Boca Raton IMP sediment budget (2005)
Volume of sand: 141,400 cy/yr

Severity of erosion (10 points)	Score	8.3
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Local Sponsor: 83,000 cy/yr

Department: Value obtained from the Annual Inlet Report
Target bypassing volume: 83,000 cy/yr

Balancing the sediment budget (10 points)	Score	10
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Local Sponsor: 95,650 cy y; The City is currently working with Department staff on updating the sediment budget.

Department: The annual target bypassing is 83,000 cy to the south. For the 17 year period from adoption (2005), the inlet has bypassed 95,565 cy/yr or 115.1%.

CEG calculated value: 115.1%

Increased bypassing improvements (10 points)	Score	0
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Local Sponsor: 54,520 cy y; Sept 2020 Annual Physical Monitoring Report

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

CEG calculated value: 0

Cost-effectiveness of using inlet sand (10 points)	Score	0
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Local Sponsor: Yes - major inlet management component.

Department: The construction of the second discharge pipe does not qualify as an initial major inlet management project component, therefore not eligible for the award of points.

Inlet Management Plans

Existing IMP (5 points)	Score	5
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Local Sponsor: Yes

Department: Verified

Updated IMP (5 points)	Score	0
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Local Sponsor: No

Department: Verified

New IMP (10 points)	Score	0
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Local Sponsor: No

Department: Verified

Enhanced longevity of proximate beach projects (10 points)	Score	7.7
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Local Sponsor: 42,210 cy y

Department: Since the 2005 IMP adoption, there has been 1,624,600 cy bypassed to the adjacent South Boca restoration project, which placed a total of 486,800 cy. Thus, 76.9% of the total placement was inlet sand bypassing.

CEG calculated value: 76.9%

Criteria in 161.101(14) applicable to inlets

Active permits (1 point)	Score	1
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Local Sponsor: Yes, State (0208818-003-JN) exp 7/15/2029
Federal (SAJ-2002-08890) exp 10/31/2022

Department: Verified

Federal funds available (3 points)	Score	0
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Local Sponsor: No

Department: Verified

Total amount of previous state funding (4 points)	Score	2
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Local Sponsor:

Department: Fiscal year 2013/2014 through 2022/2023
Total funds: \$1,794,595.25

Secured local funds (2 points)	Score	2
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Local Sponsor: Yes

Department: Draft Resolution was not submitted by application deadline.