

FY2023/2024 Local Government Funding Request

Final Inlet Project Assessment

Project Name	Sebastian Inlet Management Plan Implementation
Local Sponsor	Sebastian Inlet District

Initial Assessment	8/15/2022
Group Assessment	9/2/2022
Draft Assessment	9/15/2022
Final Review	10/20/2022

Project Description
The Sebastian Inlet Management Plan (IMP) Implementation Project is located between DEP monument R215 and R219 in Brevard County, and R1 and R17 in Indian River County. The inlet channel, sand trap, and associated structures are managed by the Sebastian Inlet District (District). In 2011, the Dredged Material Management Area (DMMA) was constructed, which allows the District to store more than 30,000 cubic yards of beach-compatible sand for placement on downdrift beaches. Between 2013 and 2021, four nourishment events have been completed using sand from the DMMA. The requested funds are for a supplemental sediment bypassing project, and year 3 post-construction physical and biological monitoring from the 2021 construction event. Staff have determined 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)
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	0.00%	\$0	\$0	\$0	\$0
Construction	50.00%	\$0	\$625,000	\$625,000	\$1,250,000
Year 1 Monitoring	0.00%	\$0	\$0	\$0	\$0
Year 2+ Monitoring	50.00%	\$0	\$157,500	\$157,500	\$315,000
Total Project Costs		\$0	\$782,500	\$782,500	\$1,565,000

TOTAL PROJECT SCORE (80 points)	39.3
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Sand reaching the inlet (10 points)	Score	7.5
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Local Sponsor: 150,000 cubic yards

Department: Value obtained from Sebastian IMP sediment budget (2008)
Volume of sand: 150,000 cy/yr

Severity of erosion (10 points)	Score	9
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Local Sponsor: Annual bypassing objective: 90,000 cubic yards

Department: Value obtained from the Annual Inlet Report
Target bypassing volume: 90,000 cy/yr

Balancing the sediment budget (10 points)	Score	6.5
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Local Sponsor: Annual average bypassing since IMP adoption: 65,039 cubic yards

Department: The annual target bypassing is 90,000 cy/yr. Since IMP adoption, the inlet has bypassed 58,896 cy/yr or 65.4%.
CEG calculated value: 6.5

Increased bypassing improvements (10 points)	Score	0
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Local Sponsor: No increase is proposed and no shortfall of bypassing is reported.

Department: Increased bypassing has not been proposed, 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: N/A

Department: Project is not requesting construction funds and 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	6.0
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Local Sponsor: 100% - Ambersand (R3-R17)

Department: The Ambersand Project has placed 741,500 cy since 2008. For the 14-year period from adoption of the bypass objective in 2008, the inlet has bypassed 1,125,045 cy for a total volume of 1,866,545 cy. The inlet bypassing is 60.3% of the total fill amount.

CEG calculated value: 60.3%

Criteria in 161.101(14) applicable to inlets

Active permits (1 point)	Score	0
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Local Sponsor: Active state, but not active federal permit (in renewal process)

Department: Verified. Not eligible for the award points.

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	3.2
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Local Sponsor: N/A

Department: Fiscal year 2013/2014 through 2022/2023

Total funds: \$4,187,606

Secured local funds (2 points)	Score	2
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Local Sponsor: A signed resolution has been submitted.

Department: Signed Resolution was submitted by the application deadline.