

FY2022/2023 Local Government Funding Request

Final Beach Project Assessment

Project Name	Pinellas County Shore Protection Project - Treasure Island Segment
Local Sponsor	Pinellas County

Initial Assessment	8/6/2021
Group Assessment	8/18/2021
Draft Assessment	8/31/2021
Final Review	9/29/2021

Project Description
The Pinellas County Shore Protection Project - Treasure Island Segment is located between DEP monuments R126 to R128A and R136 to R142 in Pinellas County. The Project was authorized by Congress in 1966 and the Treasure Island segment consists of 1.65 miles of shoreline of the 4.1-mile federal Shore Protection Project. Restoration was completed in 1969 and 11 federal nourishments have been completed since then, with the most recent nourishment completed in 2018, in coordination with the Sand Key and Long Key segments. The requested funds are for construction and year one monitoring of the next nourishment, scheduled for 2022/2023. 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 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%	\$6,904,762	\$2,500,000	\$2,500,000	\$11,904,762
Year 1 Monitoring	50.00%	\$0	\$25,000	\$25,000	\$50,000
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$6,904,762	\$2,525,000	\$2,525,000	\$11,954,762

Federal cost share %	58.00%
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Federal agency and description	USACE
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TOTAL PROJECT SCORE (100 points)	46.9
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Tier 1

Tourism-related impacts		
Return on investment (10 points)	Score	5.3

Local Sponsor: Project is requesting construction funds.

Department: Verified

Construction + Year 1 Monitoring Cost: \$2,525,000.00

Value: 41.3

Economic impact (10 points)	Score	7.5
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Local Sponsor: N/A

Department: Pinellas County, 2020 data. Tourism-related sales tax data = \$104,273,589.13. County sales tax collections = \$1,004,209,474.34

Value: 10.38

Tier 2

Federal involvement

Federal authorization (5 points)	Score	5
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Local Sponsor: The Project is federally authorized by USACE.

Department: Project Cooperation Agreement was submitted with application to verify USACE federal authorization.

Federal cost share (5 points)	Score	3.3
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Local Sponsor: 58% for construction

Department: Project Cooperation Agreement was submitted with application to verify USACE federal cost share.

Federal funds available (5 points)	Score	5
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Local Sponsor: Executed USACE project agreement

Department: Project Cooperation Agreement was submitted with application to verify USACE federal funds available for the proposed project.

Storm damage reduction benefits

Current conditions (8 points)	Score	0.7
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Local Sponsor: N/A

Department: This area was last nourished in 2018. Calculations by the Department utilizing the 2018 pre-construction, 2019 post-construction, and the 2020 1-year surveys show that approximately 81.6% of the fill placed above MHW remain as of September 2020.

CEG calculated value: 18.40%

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

Department: The 2018 nourishment is expected to protect upland structures from a 25-year storm event and the 2020 monitoring survey shows the majority of the fill remains, therefore no points awarded.

CEG calculated value: 0

Value of upland property (5 points)	Score	2.5
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Local Sponsor: \$854,801,688

Department: Calculated by Department GIS staff with 2020 data.
Total value: \$896,899,713

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	1.7
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Local Sponsor: Volume = 280,000 cy, nourishment interval = 4 yrs

Department: Construction cost = \$12,000,000, volume = 280,000 cy, length = 1.65 mi, nourishment interval = 4 yrs

Value: \$6.49

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 any elements and is 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: No

Department: The Department has previously funded this project.

Total amount of previous funding (3 points)	Score	1.4
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Local Sponsor: N/A

Department: Fiscal year 2012/2013 through 2021/2022
Total funds: \$4,530,000

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

Department: Verified

Recreational benefits

Accessible beach area (2 points)	Score	0.5
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Local Sponsor:	This area has a natural component at its landward edge and a sandy beach with a groin exposed on the southern end at the seaward edge. The USACE design berm width is 40 ft from the ECL.
Department:	The Treasure Island Design (USACE, 1982) is 25 foot berm at 4.8' followed by 20:1 slope down to 0.4' which equals 113' width. This was updated (USACE, 1994) to a 40 foot berm for the north end of the island which equals 128' width. (128' width X 2448' length) + (113' width X 6265' length) yields 1,021,289 square feet.
Total area:	1,021,289

Recreational benefits (3 points)	Score	1
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Local Sponsor:	32.04%
Department:	Verified
Percentage:	32.04%

Mitigation of inlet effects (5 points)	Score	5
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Local Sponsor:	Johns Pass Target bypassing is 21,000 cu/yr. This could mitigate 4-6 years of inlet impacts until next nourishment. Blind Pass requires 12,000 annualized placement on Sunset mitigating for 4-6 years of inlet impacts when supplemented with additional sources to mitigate inlet impacts.
Department:	The Johns Pass objective is 21,000 cy/yr which was established in 2018. The 2018 project utilized approximately 110,000 cy from Johns Pass which exceeds the cumulative objective.
CEG calculated value:	100%

Volume/mile/year (5 points)	Score	4
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Local Sponsor:	N/A
Department:	The project area was restored in 1969 and beach nourishment has been conducted multiple times with the most recent events in 2000, 2004, post-storm repair in 2006, and beach nourishment in 2010, 2014 and 2018 for an average nourishment interval of 4 years. The project length is 8,713 feet or 1.65 miles. The planned sand placement volume as stated in the application is 280,000 cy.
CEG calculated value:	42,424

Tier 4

Successive unfunded requests (5 points)	Score	0
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Local Sponsor:	No
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Department: Verified

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

Department: Project is not within a designated critical habitat area. 0.07 miles or 4.2% of the project shoreline is armored, which does not meet the 50% threshold to be considered extensive armoring, therefore not eligible for the award of points.

Overall readiness to proceed

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

Department: No ECL established for entire project length, so not eligible for one point.

Active permits (1 point)	Score	1
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Local Sponsor: Yes - active state permit/federal permit not required

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

Department: Draft Resolution not submitted by application deadline. Signed Resolution due by 9/21/21 or the funding request will be withdrawn.

Department: Signed Resolution submitted for the award of one point.

Erosion Control Line established (1 point)	Score	0
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Local Sponsor: Yes

Department: No ECL established from R136 to R142, therefore not eligible for the award of points.