



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2023/2024
Beach Projects Application

PART I: GENERAL INFORMATION

Local Sponsor

Federal ID Number (FEID)

Primary Contact Name Title

Mailing Address Line 1

Mailing Address Line 2

City Zip Code Telephone Number

Email Address

Additional Contact Information

PART II: CERTIFICATION

I hereby certify that all information provided with this application is true and complete to the best of my knowledge.

Signature of Local Sponsor

Electronic or scanned signatures accepted.

Printed Name

Date



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PART III: EVALUATION CRITERIA

1. Project Name: (as listed in the Strategic Beach Management Plan)

Shore Protection Project/Hutchinson Island 4-Mile Beach Project

2. Project Description: Include county, location with reference to DEP range monuments, brief project history, and description of proposed activities.

In the early 1990's coastal residents requested County assistance to deal with extensive and damaging erosion along the northern four miles of the Atlantic coastline in Martin County. The County's Board determined the threat to property and environment required action and submitted the project for review by the U.S. Army Corps of Engineers. After a detailed review process, the Corps approved the Hutchinson Island Shore Protection Project in 1995 and executed a 50 year Project Cooperation Agreement.

- In April 1996, restoration of the northernmost four miles of beach in Martin County was completed as a federally authorized project. The overall project limits are R-1 through R-25.6, with R-1 to R-23 being a federal project and R-23 to R-25.6 a local project. The entire area is designated as critically eroded by the Department. The initial project placed 1.3 million cubic yards (cy) of sand obtained from a borrow area one mile offshore of the project site (Gilbert Shoal).
- In early 2001 and spring of 2002, the first nourishment of this area began, however a federal funding shortfall resulted in only the central 1/3 of the project being completed, placing approximately 300,000 cy of sand.
- In September, 2004 two major hurricanes (Frances and Jeanne) made landfall in Martin County within a 3 week period, resulting in sudden and severe erosion to the project. In October of 2004, the federal government approved emergency funds for the Martin County project and construction was successfully completed in April, 2005. Approximately 800,000 CY of beach quality material was placed along the project length. Dune vegetation was included where necessary.
- Subsequent to the construction project in 2005, Martin County used state grant funds to complete borrow site analysis and project design, obtain a new permit, complete the NEPA process and execute a tri-party agreement between the USACOE, BOEMRE and Martin County to allow a onetime use of a borrow site located in federal water.
- The third full project was completed in April, 2013. The USACE project completion report states that 613,017 CY were placed during the project.
- Hurricane Matthew impacted the Florida coastline in 2016 with additional impacts from Hurricane Irma in 2017. The US Army Corps of Engineers provided funds via their FCCE program and work plan funds to fully reconstruct the federal project. The project was completed during the month of April, 2018 with a final volume at 427,763 cy.

Current Work Effort

- Project monitoring efforts – both biological and physical – are ongoing.
- A review of the template based on Sea Level Rise projections has begun.
- Design and Permitting of the 2026 nourishment project will begin in 2023.



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3. Use of Requested Program Funds: Provide a brief description of tasks to be completed in each requested phase (Feasibility, Design, Construction, Monitoring, or USACE Multiphase). Indicate which tasks are cost reimbursement from previous fiscal years.

Martin County requests FY 23/24 funds (45.97% cost share) for Design and Permitting of the 2026 nourishment project.

4. Map: Provide as an attachment. The map(s) of the project area must be formatted at a minimum of 1" = 200' scale and include a compass rose and legend.

Map elements must include:

1. **Project boundary:** DEP reference monuments and shoreline designated as critically eroded
2. **Eligibility:** Indicate lengths of eligible shoreline based on criteria outlined in Chapter 62B-36.007, F.A.C.
 - a. Beach access locations: indicate primary or secondary access, and include the shoreline length, number and location of auto parking spaces, mass transit stops, bike parking spaces, and public restroom facilities within 1/4 mile walking distance of each access
 - b. Public lodging establishments: include the length fronting the project shoreline, and include the length of street-side frontage for lodging within 1/4 mile walking distance of a secondary beach access location
3. **Recreational benefits:** Comprehensive list of current land use designations of properties fronting the project shoreline
4. **Value of upland property:** Include one-quarter mile buffer and provide a comprehensive list of the values of properties (data from year 2021) that are enclosed or intersected by the buffer. The 2021 property value tax roll data and ArcGIS shapefiles can be obtained from the Department of Revenue website: https://floridarevenue.com/property/Pages/DataPortal_RequestAssessmentRollGISData.aspx. See Guidance Document for more information.

5. Project length: Total restored project length (in feet) of the critically eroded area (as listed in the Strategic Beach Management Plan).

22,134.49 ft.



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6. Eligibility: Required for all beach projects pursuant to Chapter 62B-36.007, F.A.C. Provide as a separate attachment, if needed.

- **Location/Access Name:** Use the official name of the park or road that is associated with the public access.
- **DEP Reference Monument:** Use the DEP monument that is closest to the main public access location.
- **Type of Access:** Indicate Primary or Secondary beach access in accordance with the definitions in Chapter 62B-36, F.A.C.
- **Width of Access/Frontage:** The length of the legal boundary (in feet) of the public access or lodging along the beach project shoreline. For public lodging establishments that do not front the beach, indicate the street-side length of the legal property boundary (in feet) that is used as the main access to the establishment.
- **Number of Eligible Units:** A unit is defined as one automobile parking space, one rental unit in a public lodging establishment, one mass transit stop, or four bicycle parking spots.
- **Additional Width from Eligible Units:** Total distance (feet) added to the Width of Access/Frontage. If there are multiple types of eligibility units used for this calculation, show the calculation separately for each.
- **Total Eligible Shoreline:** Sum of the Width of Access/Frontage and Additional Width from Eligible Units columns. Eligible shorelines cannot overlap.
- **Website Link for DBPR License:** Provide the link to the Department of Business and Professional Regulation (DBPR) website for proof of licensure for any public lodging establishments used for eligibility or the Recreational Benefits ranking criteria.

Location/ Access Name	DEP Reference Monument	Type of Access	Width of Access/ Frontage (ft)	Number of Eligible Units	Additional Width from Eligible Units (ft)	Total Eligible Shoreline (ft)	Website Link for DBPR License
Glasscock	1	Secondary	97	40	0	97	
Jensen Beach	3	Primary	2790	316	3176	5966	
Bob Graham	9	Secondary	2658.2	70		2658.2	
Beachwalk Paisleu	11	Secondary	1329.5	15	70	1399.5	
Brynn Mawr	12	Secondary	110.5	27	1320	1430.5	
Stokes Beach	14	Secondary	11.8	10	528	539.8	
Virginia Forrest	16	Secondary	101.8	26	1348	1449.8	
Tiger Shores	20	Secondary	132.4	31	1320	1452.4	
Stuart Beach	22	Primary	1372.1	362	3983	5355	



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- 7. Schedule and Budget:** Provide as a separate attachment, if needed. Clearly indicate project phase: Feasibility (F), Design (D), Construction (C), Monitoring (M), or USACE Multiphase (USACE). Include the year of post-construction monitoring in the description.
- **Cost Reimbursement:** Specify eligible costs incurred during the three years prior to the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed (this includes fiscal years 20/21, 21/22, and 22/23). Eligible costs will be added to the current funding request.
 - **Current and Future Costs:** Specify eligible costs for the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed as well as the estimated costs for the next 4 years. Note: If Construction costs are requested in the current fiscal year, then the Year 1 Post-Construction Monitoring costs will be added to the current funding request.

Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
20/21						
20/21						
20/21						
21/22						
21/22						
21/22						
22/23						
22/23						
22/23	Design	Resilience analysis of Dune and Beach		75,246	88,439	163,684
23/24	Design	BOEM Sand Search and permit modification		124,119	145,881	270,000
23/24						
23/24						
24/25	Construction	Bid, precon surveys; environmental and physical (Base Monitoring)		257,432	302,568	560,000
24/25						
24/25						



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Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
25/26	Construction	Final design modifications		114,925	135,075	250,000
25/26						
25/26						
26/27	Construction	Obtain NTP, Construction, inspection, surveys Post Construction Monitoring	8,695,000	4,507,358.5	5,297,641.5	18,500,000
26/27						
26/27						
27/28	1st year Monitoring	Physical and biological monitoring, condition updates, reports		206,865	243,135	450,000
27/28						
27/28						

8. Tourism-related impacts: Criteria is calculated by the Department using 2021 data. For reference, tax data can be obtained from the Department of Revenue website: https://floridarevenue.com/taxes/pages/colls_from_7_2003.aspx. See Guidance Document for more information.

- ☐ Current funding request includes construction and year one post-construction monitoring
- ☒ Project is managed by two or more counties

Additional comments

The winter 2026 construction project could be coordinate for a regional project with St. Lucie County.

9. Federal involvement: The documentation to verify authorization, federal cost share percentage, and status of funding award must be provided with the application materials for the award of points.

Is the project Federally authorized by the USACE?

Authorization Year:

Expiration Year:

Does this project have a signed USACE Chief's report or Civil Works Congressional authorization for the requested phase?

USACE federal cost share percentage for this project (excluding FCCE):



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Select all that apply for the requested project phase(s) and include documentation with application materials.

- ☐ Executed USACE project agreement
- ☐ Included in USACE work plan
- ☐ Approved FEMA Project Worksheet
- ☐ Included in Congressional Appropriations Act
- ☐ Other documentation:

10. Storm damage reduction benefits: Criteria is calculated by the Department.

What is the volume (cy) of advanced nourishment lost since the last sand placement event of a beach restoration or nourishment project as measured above the Mean High Water contour? Data should be consistent with the annual post-construction monitoring reports.

~73,000 cy based on 2018 post-construction to 2021 year 3 results (R-1 to R-25) (2021

For restoration projects, what is the historical erosion rate?

- USACE (GDM) determined avg erosion rate to be 1.3 ft/yr for the without project condition (data from 1971-1992)

11. Cost effectiveness: Criteria is calculated by the Department. A project design analysis and supporting documentation must be provided with the application materials for the award of points. See Guidance Document for more information.

What is the proposed sand placement volume (cy)?

500,000cy

What is the nourishment interval (years)?

8

Select all that apply for the current project funding request:

- ☒ Enhanced longevity: Propose structural or design components that could extend the beach nourishment interval
- ☐ Dune addition: Incorporate new or enhanced dune structures or new or existing dune restoration and revegetation projects
- ☐ Innovative technology: Propose innovative technologies designed to reduce project costs
- ☒ Regionalization: Two or more local sponsors manage projects together or projects propose regional sediment management strategies to conserve sand resources or reduce project costs

Additional comments for storm damage reduction benefits and cost effectiveness

The goal of the resilience phase 2 project is to increase the longevity of the project and make it more resilient to storms and the modeling techniques and project analysis is quite innovative.

Martin County and St. Lucie County will both need to perform beach nourishment projects roughly at the same time in the winter of 2026. By trying to rationalize our projects money could be saved by all stakeholders and have a cohesive unified beach from Fort Pierce to Stuart.



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12. Previous state commitment

Has the Department previously reviewed, approved, and cost-shared on a feasibility or design phase for this project?

Has the current proposed project phase(s) received a partial state appropriation within 3 years of phase completion?

Additional comments

13. Accessible beach area: Criteria is calculated by the Department. Provide additional information for consideration.

Describe the landward and seaward edge of the accessible beach width

Provide the project boundaries (R-monuments)

Provide citations of reference sources

14. Recreational benefits: Provide the percentage of linear footage within the project boundaries which is zoned recreational or open space; for commercial use; or to allow for public lodging establishment, or the equivalent. Provide additional documentation and DBPR website link in a separate attachment, if needed.

50%
11,201 ft.

15. Mitigation of inlet effects: Criteria is calculated by the Department.

Additional comments

16. Successive unfunded requests

Is the current proposed project phase(s) a successive, unfunded request? If so, how many years of successive request(s) is the current application?

Does the successive request add the construction phase?



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17. Environmental habitat enhancement: Criteria is calculated by the Department. See Guidance Document for more information.

Is the project within a designated critical habitat area for threatened or endangered species that is subject to extensive shoreline armoring?

No

Is the project within a non-designated area where extensive shoreline armoring threatens the habitat of threatened or endangered species?

No

If yes to either of the above, does the project exceed best management practices to incorporate turtle-friendly designs and management strategies to protect resources or benefit critical habitat preservation?

No

Provide an explanation and supporting documentation for the strategies which exceed best management practices

18. Readiness to construct

Does the project have an active state permit?

Yes

Does the project have an active federal permit?

N/A

Permit number

0295380-001JC

Permit number

Authorization date

08/11/2011

Authorization date

Expiration date

08/11/2026

Expiration date

Have all necessary easements been acquired for the upcoming or proposed construction phase?

Yes

Has the necessary local funding been secured for the proposed project? If so, provide a copy of the draft Resolution. The signed Resolution is due by October 5, 2022.

Yes

Is an Erosion Control Line established along the project length?

Yes

Additional comments for readiness to construct



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Provide additional information and comments below or attach supporting documents.