



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

PART I: GENERAL INFORMATION

Local Sponsor	Palm Beach County		
Federal ID Number (FEID)	59-6000785		
Primary Contact Name	Reubin Bishop	Title	Senior Environmental Analyst
Mailing Address Line 1	2300 North Jog Road		
Mailing Address Line 2	4th Floor		
City	West Palm Beach	Zip Code	33411-2743
Telephone Number	561-233-2519		
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Additional Contact Information

[Andy Studt, Environmental Program Supervisor, 561-233-2539, astudt@pbcgov.org](#)

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 Deborah Drum

Date 7-28-2022



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PART III: EVALUATION CRITERIA

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

Jupiter-Carlin, North County Comprehensive Shore Protection Project Segment 1.

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

The Jupiter/Carlin portion (Segment 1) of the North County Comprehensive Shore Protection Project is located immediately south of the Jupiter Inlet, between DEP monuments R-13 and R-19 in Palm Beach County. The 1.05-mile-long, federally-authorized segment was initially restored in 1995 and re-nourished in 2002. A primary dune was re-established and maintained along the project area through multiple dune restoration efforts between 1994 and 2013.

A second beach re-nourishment was completed in April 2015 and consisted of a collaboration of three separate projects between Palm Beach County (County), the U.S. Army Corps of Engineers (USACE) and the Jupiter Inlet District (JID). The County truck-hauled 282,000 cy of beach compatible sand from an upland sand mine and placed the sand on the eroded beach between R-15.5 and R-19. The USACE pumped 142,000 cy from an offshore borrow area to the berm between R-13 and R-15.5 as part of a Flood Control and Coastal Emergency Shore Protection Project. JID pumped 45,300 cy of sand from the inlet sand trap onto the berm between R-13 and R-15.

The project receives routine bypass material from Jupiter Inlet and the Intracoastal Waterway. The bypass sand is typically pumped on to the berm between R-13 and R-15. The USACE completed an FCCE Storm repair project in FY19/20 that restored storm losses due to Hurricane Irma. A follow up re-nourishment was completed December 2021 and completely filled the design template using funds previously awarded during the LGFR FY 18/19 funding cycle (19PB1).

Proposed activities include continued permit-required physical monitoring, sea turtle monitoring, beach tilling, sand search and borrow area design.



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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.

Funds are requested for 30% of the cost of a borrow area sand search and design. The remaining 70% is requested through the NCCSPP Segment 3 LGFR. Post construction monitoring funds are requested for permit-required physical and biological monitoring. Biological monitoring activities include sea turtle and shorebird monitoring. Physical monitoring activities include engineering survey profiles and reporting, and aerial photography. Construction funds are also being requested permit-required beach tilling/escarpment levelling.

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).

5,597 feet



- **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.

[illegible]



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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						
23/24	Monitoring	Permit-Required Biological and Physical Monitoring		125,000	125,000	250,000
23/24	Design	Sand Search/ Borrow Area Design		75,000	75,000	150,000
23/24						
24/25	Monitoring	Permit-Required Biological Monitoring		75,000	75,000	150,000
24/25	Construction	Permit Required Beach Tilling		5,000	5,000	10,000
24/25						



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Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
25/26	Monitoring	Permit-Required Biological Monitoring	0	75,000	75,000	150,000
25/26	construction	Permit-Required Beach Tilling	0	5,000	5,000	10,000
25/26	monitoring	Permit-Required Physical Monitoring	0	40,000	40,000	80,000
26/27						
26/27						
26/27						
27/28	Monitoring	Permit-Required Physical Monitoring	0	40,000	40,000	80,000
27/28	Construction	Dredge & Fill, Engineering Services and Construction Contract Development	0	150,000	150,000	300,000
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

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?

Yes

Authorization Year: 1994

Expiration Year: 2039

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):

54



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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.

0

For restoration projects, what is the historical erosion rate?

-75,200 cubic yards (1990-2017)

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)?

What is the nourishment interval (years)?

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



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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.

$(1498+400+2374)/5597 = 76\%$

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?

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

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?

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?

Yes

Permit number

0303863-006-JM

Permit number

SAJ-2017-00019 (MOD-LCK)

Authorization date

6/8/2018

Authorization date

9/19/2018

Expiration date

6/8/2033

Expiration date

9/19/2025

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.