



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

PART I: GENERAL INFORMATION

Local Sponsor	Palm Beach County		
Federal ID Number (FEID)	59-6000785		
Primary Contact Name	Kevin Lasagna	Title	Enviornmental Analyst
Mailing Address Line 1	Palm Beach County ERM		
Mailing Address Line 2	2300 North Jog Road, 4th Floor		
City	West Palm Beach	Zip Code	33411-2743
		Telephone Number	561-233-2465
Email Address	klasagna@pbcgov.org		

Additional Contact Information

[Andy Studt, Environmental Program Supervisor, \(561\) 233-2359, 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

A handwritten signature in blue ink that reads "Deborah Drum".

Electronic or scanned signatures accepted.

Printed Name

Deborah Drum, Director

Date

7-29-2021



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PART III: EVALUATION CRITERIA

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

Singer Island Dune Restoration Project

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

The Singer Island Dune Restoration Project consists of nourishment and maintenance of 1.31 miles of dunes on Singer Island between FDEP monuments R-60.6 to R-66.8 in Palm Beach county. The County has conducted five dune nourishments since 2012 to provide storm protection and maintain sea turtle habitat. Dune nourishment events are planned to continue under CCCL permitting on a biennial basis. The most recent project, a storm recovery dune project, was completed in February 2020. The next dune project is scheduled for winter 2021/22. Funds are being requested for reimbursement of remaining design and construction of the 2020 project. The 2020 project was partially funded by FDEP Agreement 19PB17, but anticipated FEMA funding was denied. Staff has determined the project is 71.72% eligible for cost sharing.



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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.

Requested program funds will be used for design and construction shortfall associated with the 2020 dune 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 2020) that are enclosed or intersected by the buffer. The 2020 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).

6,930

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[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 19/20, 20/21, and 21/22). 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
19/20						
19/20						
19/20						
20/21	Construction	2020 Dune Project Shortfall		346,730.16	620,169.35	966,899.51
20/21	Design	2020 Dune Project Shortfall		2,132.35	3,813.98	5,946.33
20/21						
21/22						
21/22						
21/22						
22/23						
22/23						
22/23						
23/24	Monitoring	Permit-Required Monitoring		43,032	72,066	120,000
23/24						
23/24						



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Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
24/25	Construction	Dune Maintenance		788,920	1,411,080	2,200,000
24/25	Monitoring	Permit-Required Monitoring		43,032	72,066	120,000
24/25						
25/26	Monitoring	Permit-Required Monitoring		43,032	72,066	120,000
25/26						
25/26						
26/27	Construction	Dune Maintenance		860,640	1,539,360	2,400,000
26/27	Monitoring	Permit-Required Monitoring		43,032	72,066	120,000
26/27						

8. Tourism-related impacts: Criteria is calculated by the Department using 2020 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?

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.

For restoration projects, what is the historical erosion rate?

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)?

30,000

What is the nourishment interval (years)?

2

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

Upland Property Value: \$1,049,803,687.00



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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

N/A: dune-only project

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.

0%

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?

Yes

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?

Yes

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

Project is constructed outside of sea turtle nesting season. Project is along a beachfront community that has an updated lighting ordinance for sea turtle protection that is enforced during review of local building permits and during annual beach-based nighttime reviews of existing lighting. Project consists entirely of a substantial dune feature.

18. Readiness to construct

Does the project have an active state permit?

No

Does the project have an active federal permit?

N/A

Permit number

Application Pending

Permit number

Authorization date

Authorization date

Expiration date

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 September 21, 2021.

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.

- Attachment 1: Project Map
- Attachment 2: Upland Property Values
- Attachment 3: Sea Turtle Lighting Ordinance
- Attachment 4: Easement Agreements
- Attachment 5: Draft Resolution
- Attachment 6: Palm Beach County Capital Improvement Plan FY2020
- Attachment 7: Riviera Beach Amended Interlocal Agreement