



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

Jacob Rice, Environmental Program Supervisor
115 South Andrews Avenue, 329H
Fort Lauderdale, FL 33301
(954) 519-1231
jrice@broward.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

Date



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PART III: EVALUATION CRITERIA

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

Segment III Broward County Shore Protection Project

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

Segment III is the southernmost beach management segment, of three County segments demarcated in the mid-1960's, under federal authorization of the Broward County Federal Shore Protection Project (SPP). It is located on the southeast coast of Florida, in Broward County, between the Port Everglades south jetty (R-85.7) and the Miami-Dade County line (R-128). Segment III is 8.1 miles (42,800 feet) in length and fronts the U.S. Naval Surface Warfare Center, Dr. Von Mizell-Eula Johnson Beach State Park (the State Park), the City of Dania Beach, the City of Hollywood, and the City of Hallandale Beach (collectively, HHD). Segment III is immediately downdrift of Port Everglades Inlet and, due to the direct and indirect influence of Port Everglades Inlet, its jetties, and the federal navigation channel, it has the highest sand loss rates in Broward County. Authorization of the Shore Protection Project was granted by Section 301 of the 1965 River and Harbor Act, Public Law 89-298, and in accordance with the recommendations of the USACE Chief of Engineers, allowing local-interest permission to construct the authorized project(s) with subsequent federal share reimbursement of project costs. Beginning from the date of initial project construction, Section 506 of the 1996 Water Resources Development Act, Public Law 104-303, extended Federal participation in the Broward County SPP for a period of 50 years.

Between 1971 and 2020, approximately 7,404,800 cubic yards (cy) of sand have been placed onto Segment III beaches. Initial construction of the federal shore protection project occurred along the state park shoreline in 1976/77 and along Hollywood/Hallandale Beach in 1979. The City of Hallandale placed 360,000 cubic yards (cy) of sand between R124 and R128, in a local-interest project, in 1971. The first federal renourishment of the state park placed 604,000 cy of offshore sand between the south jetty and R-93, in 1989, and the first federal renourishment of the Hollywood and Hallandale Beach shorelines placed 1,100,000 cy of offshore sand between R101 and R-128, in 1991. In 2001, another Hollywood local funded project placed about 25,000 cy of sand between R121 and R-123, and in 2005/06 a federally funded project placed 550,000 cy of sand in the State Park, between R85.6 and R92, and about 1,300,000 cy of sand in HHD, between R98.3 and R128. Since the 2005/06 federal project, there have been two City of Hollywood sponsored projects that placed sand on the beach; a 2011/12 project placed 59,100 cy of upland sand between R107 and R109 and between R119 and R124, and a 2017/18 project placed about 66,000 cy of upland sand between R100 and R102 and between R116 and R124. A federal Port Everglades maintenance dredge project placed 116,000 cy of sand in the State Park, between R87 and R90, in 2013, and a federal Flood Control and Coastal Emergency (FCCE) project placed about 134,800 cy of upland sand, between the south jetty and R94 and between R98.3 and R128, above mean high water, in 2019.

A federal FCCE Segment III SPP will renourish previously restored beaches using FDEP permit No. 163435-015-JC and DoA Permit No. SAJ-2020-01138 (SP-LCK). A Notice to Proceed was issued to the contractor on July 15, 2021, and work began at the northern end of Segment III in the State Park (R-86 to R-92) on November 1, 2021 until May 27, 2022. Approximately 50% (~250,000 cubic yards) of the planned fill was placed in the Park. Work is expected to recommence on November 1, 2022 to April 30, 2023 to finish the Park with the HHD reaches (R-99 to R-108 and R-120 to R-128) being constructed from November 1, 2023 to April 30, 2024. Future work is not planned to occur during sea turtle nesting season, May 1 through October 31.



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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.

Monitoring - Reimbursement for post-construction monitoring for the state park in Segment III and pre-construction monitoring for the Hallandale, Hollywood, and Dania Beach reaches.

Due to the multi-season construction in the State Park, two post-construction monitoring events will occur, one in the summer of 2022 and the other in the summer of 2023.

A pre-construction monitoring event for the the HHD reaches will occur during the summer of 2022.

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).

38,750 (100% critically eroded)



- **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	Design	Mizell-Johnson State Park planning, engineering, and permitting		289,410	0	289,410
20/21	Design	Dania Beach, Hollywood, Hallandale planning, engineering, and design		98,496.81	98,496.81	196,993.62
20/21						
21/22	Design	Mizell-Johnson State Park planning, engineering, and permitting		899,938	0	899,938
21/22	Design	Dania Beach, Hollywood, Hallandale planning, engineering, and design		306,281.45	306,281.45	612,562.9
21/22						
22/23	Monitoring	Mizell-Johnson State Park Post-Construction Physical and Biological Monitoring		174,883	0	174,883
22/23	Monitoring	Hallandale, Hollywood, Dania Beach Pre-Construction Monitoring		137,436	137,436	274,873
22/23						
23/24	Monitoring	Mizell-Johnson State Park Post-Construction Physical and Biological Monitoring		252,427	0	252,427
23/24		Dania Beach, Hollywood, Hallandale Physical and Biological Monitoring		137,342	137,342	274,683
23/24						
24/25	Monitoring	Mizell-Johnson State Park Post-Construction Physical and Biological Monitoring		181,321	0	181,321
24/25	Monitoring	Dania Beach, Hollywood, Hallandale Physical and Biological Monitoring		133,199		133,199
24/25						



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Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
25/26	Monitoring	Mizell-Johnson State Park Post-Construction Physical and Biological Monitoring		188,240	0	188,240
25/26	Monitoring	Dania Beach, Hollywood, Hallandale Physical and Biological Monitoring		147,470	147,470	294,940
25/26						
26/27	Monitoring	Mizell-Johnson State Park Post-Construction Physical and Biological Monitoring		195,119	0	195,119
26/27	Monitoring	Dania Beach, Hollywood, Hallandale Physical and Biological Monitoring		140,466	140,466	280,932
26/27						
27/28	Monitoring	Mizell-Johnson State Park Post-Construction Physical and Biological Monitoring		79,667	0	79,667
27/28	Monitoring	Dania Beach, Hollywood, Hallandale Physical, Biological and Mitigation Monitoring		171,225	171,225	342,450
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: 1965

Expiration Year: 2026

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

Yes

USACE federal cost share percentage for this project (excluding FCCE): 58.46



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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.

-553,600 cy (Nov 2019, Yr 2 Post-Dorian Physical Survey, submitted with this

For restoration projects, what is the historical erosion rate?

-160,000 cy/yr, -2.0 ft/yr (2004, GRR)

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)?

840,000 cy beach fill (ACOE project); 46,250 cy dune fill (State P

What is the nourishment interval (years)?

6 years (2004, GRR)

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

The landward edge is the Erosion Control Line and the seaward edge is the Mean High Water Line.

Provide the project boundaries (R-monuments)

Dr. Von D. Mizell-Eula Johnson State Park (R-86-200 to R-94) and Dania, Hollywood, Hallandale Beaches (R-98+290 to R-128).

Provide citations of reference sources

2004 GRR/FEIS

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.

Percentage Zoned Commercial, Recreational, or Public Lodging = 75.9%
Total Project Length = 38,550 ft, Zoned Commercial, Recreational, or Public Lodging = 29,270 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?

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

The Segment III project designs incorporate a turtle-friendly beach profile (similar to the 2016 Segment II design profile). The project will be constructed outside of sea turtle nesting season, and the County lighting ordinance (Chapter 39, Article IX, Sec 39-107) is consistent with Certified Wildlife Lighting standards of the Florida Fish and Wildlife Conservation Commission. The code is enforced through night time beach lighting surveys, with offenders reported to city code enforcement.

18. Readiness to construct

Does the project have an active state permit?

Yes

Does the project have an active federal permit?

Permit number

0163435-015JC

Permit number

SAJ-2020-01138 (SP-LCK)

Authorization date

Nov 9, 2020

Authorization date

Nov 19, 2020

Expiration date

Nov 9, 2035

Expiration date

Nov 19, 2035

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

The County has secured easements and local access agreements sufficient for Certification of Lands with previous projects and in coordination with the FCCE project for this Segment.



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Provide additional information and comments below or attach supporting documents.

ncluded in the application packet are the draft Board Funding Resolution, Broward/USACE Partner Cooperation Agreement, Broward C