



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

PART I: GENERAL INFORMATION

Local Sponsor	St. Johns County		
Federal ID Number (FEID)	596000825		
Primary Contact Name	Damon Douglas	Title	Coastal Manager, Disaster Recovery
Mailing Address Line 1	500 San Sebastian View		
Mailing Address Line 2			
City	St. Augustine	Zip Code	32084
Telephone Number	(904)-209-0794		
Email Address	ddouglas@sjcfl.us		

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	Damon Douglas	Date	Jul 30, 2021
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Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

PART III: EVALUATION CRITERIA

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

South Ponte Vedra and Vilano Beach Coastal Storm Risk Management Project, St. Johns County, R-102.5 through R-117.5

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

The initial restoration of the USACE's South Ponte Vedra and Vilano Beaches (SPVVB) Coastal Storm Risk Management (CSRM) Project was completed in Jan 2021. The project placed about 1.3 mcy of sand along the entire federally authorized length – from R102.5 to R117.5 in St. Johns County. The St. Augustine Inlet flood shoal complex served as the borrow area.

The Jacksonville District is initiating a Validation Report for the SPVVB CSRM Project that includes Vilano and South Ponte Vedra Beaches from R102.5 to R117.5 in St. Johns County. The purpose of the Validation Report is to justify the use of additional sand borrow sources located offshore St. Johns County. Currently, the borrow area for the project is limited to the St. Augustine Inlet interior shoals – mostly the flood shoal, and limited parts of the AIWW and Davis Shoals. Note that the 2021 restoration event of the CSRM dredged much of the flood shoals (about 1.3 mcy) and the St. Augustine inlet management plan imposes severe dredging constraints for the inlet shoals. Thus, the USACE, through the Validation Report, wishes to add (additional) offshore borrow sources to the authorized federal project to ensure enough sand is available for any emergency post-hurricane renourishment event and potentially for regularly-scheduled renourishment events.



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

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 requested for FY2022/2023 will support year 2 monitoring. Monitoring for summer 2022 will include physical monitoring (i.e., collection and analysis of beach and borrow area surveys) and biological monitoring (turtle nest monitoring, beach tilling, and scarp monitoring and remediation) required by FDEP permit 0377120-001-JC. Funds requested for a validation study will identify an offshore borrow sources to the authorized federal project to ensure enough sand is available for any emergency post-hurricane renourishment event and potentially for regularly-scheduled renourishment events.

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).

Total project length in critical erosion area = 15,670 ft (R-102.5 through R-117.5)



- **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]



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

- 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						
20/21						
20/21						
21/22						
21/22						
21/22						
22/23	Design	Validation	116,000	98,203	185,797	400,000
22/23	Monitoring	Physical Monitoring	18,850	15,958	30,192	65,000
22/23	Monitoring	Biological Monitoring		38,036	71,964	110,000
23/24	Monitoring	Physical Monitoring	33,640	28,479	53,881	116,000
23/24	Monitoring	Biological Monitoring		39,765	75,235	115,000
23/24						



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

Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
24/25	Monitoring	Physical Monitoring	30,740	26,024	49,236	106,000
24/25						
24/25						
25/26						
25/26						
25/26						
26/27	Monitoring	Physical Monitoring	31,900	27,006	51,094	110,000
26/27						
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):



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

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:

The USACE has committed to cost sharing the physical monitoring work with carryover, extended duration construction funds. The USACE will not

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.

n/a

For restoration projects, what is the historical erosion rate?

Department to calculate

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)?

1.3 M CY (construction completed January 2021)

What is the nourishment interval (years)?

12 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



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

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

Landward edge is the ECL and the seaward edge is the construction fill MHWL

Provide the project boundaries (R-monuments)

R-102.5 through R-117.5

Provide citations of reference sources

USACE Plans and ECL file (ECL shapefile will be shared separate from application). Approximate added beach area in this R102.5 to R117.5 segment = 42 acres.

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.

Commercial: 200 ft = 1.28%
Recreational: 2,097 ft = 13.38%
Public Lodging: 537 ft = 3.43%
Total Commercial and Recreational: 2,834 ft = 18.09%

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

Additional comments

The project mitigates the effects of the federal St. Augustine Inlet

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?



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

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

Constructed beach nourishment incorporates new dune feature. A lighting ordinance for sea turtle protection covers the project area; nighttime lighting surveys are annually conducted to support enforcement

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

0377120-001-JC

Permit number

Authorization date

03/26/2020

Authorization date

Expiration date

03/26/2035

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

An MSTU for the project area was created in Mar 20 19. The County intends to use a combination of MSTU and Tourism Development Tax revenues to fund the project.



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

Provide additional information and comments below or attach supporting documents.