



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
FY2020/21 Local Government Funding Request  
Beach Projects Application

**PART I: GENERAL INFORMATION**

Local Sponsor

Local Sponsor Federal ID Number (FEID)

Contact Name  Title

Mailing Address Line 1

Mailing Address Line 2

City  Zip Code  Telephone Number

Email Address

Additional Contact Information (this box will expand as needed. To expand the box for printing purposes, click anywhere outside the box when done typing.)

**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

Date

Typed or Printed Name

Electronic or scanned signatures accepted.



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**PART III: EVALUATION CRITERIA**

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

Long Key Pass-A-Grille Beach

**2. Project Description (Include county, location with reference to range monuments, brief project history and description of proposed activities.)** This box will expand as needed. To expand the box for printing purposes, click anywhere outside the box when done typing.

Part of the Federal Pinellas County Shore Protection Project, the project maintains 4.1 miles (21,648 ft) of critically eroded shoreline on Long Key, Pinellas County. All 4.1 miles were authorized in 1966. The entire island is managed by the US Army Corps by restoring Upham Beach as a feeder beach and Pass-a-Grille Beach as needed. The Pass-a-Grille segment is 5,538.5 ft long. Initial nourishment of Pass-a-Grille occurred in 1986 (73,000 cubic yards) with additional nourishments in 1991 (100,000 cubic yards), 2004 (95,000 cubic yards) and 2014 (140,000 cubic yards). Both Upham Beach and Pass-a-Grille Beach were restored in 2004 and 2014. The borrow areas used include Blind Pass in 1991 and Pass-a-Grille Channel in 1986 and 2004 and Egmont Shoal in 2014. The next Long Key nourishment is tentatively scheduled for 2021. Nourishment is planned for Pass-a-Grille beach using sand from either Pass-a-Grille Pass or Egmont Shoal. The project is estimated to cost \$5 million. If there are additional funds available they may be used at Upham Beach if needed.



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**3. Use of Request Program Funds (specify phase - Feasibility, Design, Construction and/or Monitoring - and provide a brief description of work in each phase listed. Indicate which tasks are cost reimbursement for work that has been completed.)**

FY20/21: USACE multiphase project. These fund will be used to reimburse the County for 50% of the local share of the project. This will include design, construction and monitoring. Design and construction will be conducted by the Army Corp. Physical monitoring will be conducted by the Army Corp. Monitoring will include but not limited to Physical, Turtle related and tilling. Additionally funds may also be used on Upham if needed.

**4. Mapping**

Map elements must include:

- Compass rose with North arrow, scale and legend.
- Project boundary showing length of critically eroded shoreline
- FDEP range monuments
- Beach access and parking locations (indicate Primary and Secondary accesses, including access widths)
- Width of access for public lodging establishments fronting the project shoreline (for commercial/recreational ranking points and eligibility determination)
- Width of access for public lodging establishments within one-quarter mile walking distance of a secondary public access point (must show length of street-side frontage for eligibility determination)
- Comprehensive plan or current land use designations of properties within the project shoreline (for commercial/recreational ranking points)
- Bus stops and bike rack locations within one-quarter mile walking distance of a public access point (if claiming for eligibility determination)

**5. Length of Project Boundary in Feet (Total restored project length in the critically eroded area)**

5538.5





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**7. Schedule and Budget**

a. Cost Reimbursement: (Specify eligible costs incurred three years prior to the current application's fiscal year which have not been reimbursed. Eligible costs will be included in the funding request of the current application.)

Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
17/18						
Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
18/19						
Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
19/20						
Add Row						

b. Current and Future Costs: (Specify eligible costs for the current application's fiscal year which have not been reimbursed. Include the proposed phases for the next 10 years and the estimated costs for the next 5 years.)

Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
20/21	USACE Multipha	Renourish Beach	5,000,000	3,135,000	932,500	932,500
20/21	Monitoring	tilling, turtle monitoring	16000		8000	8000
Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
21/22	Monitoring	tilling, turtle monitoring	16000		8000	8000
Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
22/23	Monitoring	tilling, turtle monitoring	16000		8000	8000
Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
23/24						



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Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
24/25						
Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
25/26						
Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
26/27						
Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
27/28						
Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
28/29						
Add Row						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
29/30						
Add Row						

**8. Severity of Erosion: Criteria will be calculated by the Department. Additional information may be provided for consideration.**

Since 1989, Pass-a-Grille Beach eroded at 4 ft/yr. These values have been published in Dean et al. (1998) and Elko (2006). Additionally, winter fronts combined with Hurricanes Hermine, Irma and Michael have severely eroded the beach and cut into the dune.



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**9. Threat to Upland Structures:** Criteria will be calculated by the Department. Additional information may be provided for consideration.

Approximately 158 ft of property with habitable structures is within the project limits. South of this area there is an additional 5381 ft of shoreline within the project that that consists of a beach, beach parking lot and road landward of which is a mixture of residential and commercial buildings. There appear to be sea walls protecting at least a portion of the project area.

**10. Recreational and Economic Benefit:** Provide the percentage of linear footage of properties within the project boundaries zoned commercial, recreational, or Public Lodging Establishment (hotel, motel, or vacation rental condo) as zoned in current local government land use maps.

97.2%

**11. Availability of Federal Funds:**

Is the project Federally authorized by WRDA?

Authorization Year:  Expiration Year:

Does this project have a Project Cooperative Agreement or other Federal funding agreement? If so, attach a copy of the document.

What is the federal cost share percentage provided for this project?  %

Is this project funded through FEMA for storm repairs?

Is there a signed FEMA Project Worksheet for this project? If yes, attach a copy.



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**12. Local Sponsor Financial and Administrative Commitment:**

Is funding for the project in the local sponsor's 10-year comprehensive financial plan?

Attach a copy or provide web link to the plan in this box:

Is funding provided through a source established by referendum?

Attach a copy or provide web link to the referendum in this box:

Is funding provided by a third-party other than the federal government?

What is the percentage of total project costs provided by the third party?  %

Attach a copy of the interlocal agreement or cost sharing agreement.

Quarterly Report Compliance - For projects that are currently funded through the program or have historically been funded, the Local Sponsor may give the dates quarterly progress reports were submitted within the last fiscal year per terms of the agreement (for consideration of additional ranking points):

Quarter	Due Date	Report Remit Date	Compliant
July-September	October 30, 2018	Oct 26, 2018	<input type="text" value="Yes"/>
October-December	January 31, 2019	Jan 7, 2019	<input type="text" value="Yes"/>
January-March	April 30, 2019	Apr 18, 2019	<input type="text" value="Yes"/>
April-June	July 31, 2019	Jul 17, 2019	<input type="text" value="Yes"/>

Is there an active state permit for this project?

Permit #

Authorization Date

Expiration Date

Is there an active federal permit for this project?

Permit #





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Authorization Date

Expiration Date

Have local funds been secured for this project?

Explain:

Annual revenues from the Tourist Development Tax represent a long-term funding source that is recently averaging ~\$5 million annually. The County's Capital Improvement Program includes the necessary funds to cover the local share of the design, construction, and maintenance of this project. The funds utilized from the Capital Improvement Program for Beach Nourishment and Stabilization projects are reimbursed annually using the Coastal program dedicated Tourist Development Tax dollars.

Has a copy of the resolution been drafted and attached to this application?

In order to acquire state funding, the Local Sponsor must provide a resolution from the governing board which declares:

- Support from the Local Sponsor for the project
- Willingness to serve as the Local Sponsor
- Ability to provide the full local cost share
- Identification of the source of funding

A draft resolution must be provided with the application. The signed resolution must be received by September 30, 2019.

**13. Previous State Commitment:**

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

Provide most recent phase:  And State cost share percentage:  %

Will this project enhance or increase the longevity of a previously-constructed project?

Explain:

The project will increase the longevity of the previous nourishment projects by maintaining viable recreational beaches along the Pass-a-Grille shoreline. Periodic nourishments are the backbone of a strong and stable tourist-driven economy and provide storm protection as well as important wildlife habitat that would otherwise not exist at Pass-A-Grille Beach.

Will this project nourish a previously restored shoreline?



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(Full beach nourishment only. Dune maintenance projects do not apply.)

Has a previously approved appropriation for a project phase been released in its' entirety by the Local Sponsor due to delays in the project timelines?

**14. Project Performance:**

What is the nourishment intervals (in years)?

Explain: Pass-a-Grille is normally nourished on a 10 year interval; however, this project will be closer to 7 years.

**15. Mitigation of Inlet Effects: Criteria is calculated by the Department.**

Explain: The project area for this nourishment will be the bypassing placement area in the Pass-a-Grille inlet management plan. This plan sets an annual bypass amount of 14,000 cy/yr. The last nourishment was 2014 therefore 2021-2014=7 years. 7 years \* 14,000 cy = 98,000 cy. Addition advanced fill is planned to offset erosion.

The project area for this nourishment will be the bypassing placement area in the Pass-a-Grille inlet management plan. This plan sets an annual bypass amount of 14,000 cy/yr. The last nourishment was 2014 therefore 2021-2014=7 years. 7 years \* 14,000 cy = 98,000 cy. Addition advanced fill is planned to offset erosion.

**16. Use of Innovative Applications of existing technologies:**

Does the project address erosion in a method that is economically competitive with nourishment, that will not adversely affect the conservation of fish and wildlife, including endangered or threatened species, or their habitats, and that is designed to demonstrate an innovative application of existing technologies?

Explain:



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Has the project been documented to be effective and demonstrated technologies previously untried in Florida?

Explain:

**17. Regionalization**

Is this project being planned or constructed in cooperation with another local government to reduce contracting costs?

Explain:

**18. Significance**

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

The three surveys profiles used are the (1) design profile, (2) USF's August 2014 survey, and (3) USF's April 2019 survey. The volume of advanced nourishment lost since the last beach placement is 56,600 cy

Has the project eroded into the design template?

If yes, provide the eroded segments by listing the R-monuments

R162, R163 and R164

For construction projects, what is the proposed sand placement volume (cy)?