



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

PART I: GENERAL INFORMATION

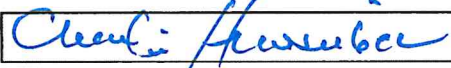
Local Sponsor	Manatee County		
Federal ID Number (FEID)	59-6000727		
Primary Contact Name	Charlie Hunsicker	Title	Director
Mailing Address Line 1	Parks & Natural Resources Department		
Mailing Address Line 2	5502 33rd Avenue Drive West		
City	Bradenton	Zip Code	34209
Telephone Number	941.737.4765		
Email Address	charlie.hunsicker@mymanatee.org		

Additional Contact Information

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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

Charlie Hunsicker

Date

7/30/2021



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PART III: EVALUATION CRITERIA

1. Project Name: As listed in the Inlet Management Plan (IMP) or Strategic Beach Management Plan (SBMP)

Passage Key Inlet Management Study

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

Passage Key Inlet is the southern pass in the entrance to Tampa Bay, south of Passage Key and north of Anna Maria Island, on the boundary of Hillsborough and Manatee Counties. The ebb shoal of Passage Key inlet has been used multiple times as the sediment source for the beach nourishment projects on Anna Maria Island, and was most recently utilized for the 2020 Central Beach Nourishment Project and the 2020 Coquina Beach Nourishment Project. Additional dredging has been proposed in the ebb shoal and there is a need to evaluate the impact of dredging this borrow site.

The Passage Key Inlet Management Study (IMS) is included in the budget as it is a requirement of the Coquina Beach Nourishment FDEP permit as evidenced by page 3 of the FDEP's January 31, 2014 letter and Specific Condition No. 36 of the Anna Maria Coquina Beach Nourishment, Expansion Modification (Permit Modification No. 0281452-005-JN) that states: "After construction of the initial 2014 beach nourishment event authorized under this permit, any future use or excavation of the inlet shoals as a sand source for beach nourishment shall require prior completion of an inlet management study and adoption of an approved plan in accordance with Section 161.161, F.S. Pursuant to Rule 62B-41.005(15), F.A.C., as a condition of a permit, the Permittee shall be required to provide a complete inlet management plan (e.g. study) within a period of not less than two years from the date of issuance of the permit."

After the study is complete, the County is planning to proceed with geotechnical investigation and borrow area design with funds to be requested in FY 23/24.



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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, or Monitoring). Indicate which tasks are cost reimbursement from previous fiscal years.

There are no requested funds for FY 22/23.

4. Map: Provide as an attachment.

- **Format:** The project area must be formatted at a minimum of 1" = 200' scale and include a compass rose and legend.
- **Required elements:** Project boundary, DEP reference monuments, shoreline designated as critically eroded, area of inlet influence, and permitted sand bypassing placement area

5. Project length: Total restored project boundary (in feet) as listed in the IMP or SBMP.

Passage Key Inlet Management Study will determine length of area of inlet influence

6. Schedule and Budget: Provide as a separate attachment, if needed. Clearly indicate project phase: Feasibility (F), Design (D), Construction (C), or Monitoring (M). 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						



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Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
21/22						
21/22						
21/22						
22/23						
22/23						
22/23						
23/24	Construction	Geotechnical Investigation		300,000	100,000	400,000
23/24	Construction	Borrow Area Design and Permitting		75,000	25,000	100,000
23/24						
24/25						
24/25						
24/25						
25/26						
25/26						
25/26						
26/27						
26/27						
26/27						



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7. Sand reaching the inlet

Provide the estimated annual quantity (cubic yards) of beach quality sand reaching the updrift boundary of the improved jetty or inlet channel:

8. Severity of erosion

Provide the annual bypassing objective (cubic yards/year) adopted by the IMP or SBMP or as determined by a Department-approved study:

9. Balancing the sediment budget

Provide the current annual average of bypassed material (cubic yards) since the adoption of a bypass objective:

Provide a brief description of when the last sediment budget engineering analysis was completed for the inlet and area of inlet influence. Discuss any proposals to update the sediment budget.



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Historical bypassing volumes: In the table below, provide the annual bypassing volumes (cubic yards/year), for the previous ten years (from the last calendar year or the most recent calculation). Attach additional documentation as needed.

Year	Quantity Bypassed (cy) - Sand Transfer Plant	Quantity Bypassed (cy) - Dredging	Dredge Location	Placement or Disposal Area
2009				
2010				
2011				
2012				
2013				
2014				
2015				
2016				
2017				
2018				
2019				
2020				
Total per method				

Total bypass volume:

Years since IMP adoption:

Annual average bypass:

Bypass objective:

Percentage of bypass objective:



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10. Increased bypassing and cost-effectiveness

Provide the estimated increase in annual bypassing of sand (cubic yards/year) proposed for the project:

Provide the estimated shortfall of annual bypassing of sand (cubic yards/year) within the inlet system:

Is the proposed project requesting construction phase funds for a major inlet management project component?

If yes, and for the award of points for the cost-effectiveness of using inlet sand criteria, provide an opinion of probable cost per unit volume of the inlet and all other sand sources, certified by a licensed professional engineer.

11. Inlet Management Plans

Select all that apply:

☐ **Existing IMP:** The proposed project has an existing IMP or completed Inlet Management Study that has been approved by the Department.

☐ **Updated IMP:** The Department has received and approved an update to an existing IMP in the form of a current Inlet Management Study/sediment budget analysis within the previous five years, or there is an update proposed to an existing IMP in the current application.

☐ **New IMP:** A new inlet management study is proposed for submission to the Department for an adoption in an IMP.

12. Enhanced longevity of proximate beach nourishment projects

Annualized beach nourishment volume of proximate beach nourishment project:

13. Active permits

Does the project have an active state permit?

Permit number:

Authorization date:

Expiration date:

Does the project have an active federal permit?

Permit number:

Authorization date:

Expiration date:



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14. Federal funds available

Does the proposed project have federal funds available? If so, provide supporting documentation.

15. Secured local funds

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.

Additional
comments