



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2025/2026
Inlet 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

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 Chris Hall, Chairman

Date

ATTEST
CRYSTAL A. KINZEL, CLERK

BY:

Approved as to form and legality

Assistant County Attorney

CAO



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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)

Wiggins Pass Inlet Management

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

The Wiggins Pass Project is located on the southwest Florida coastline in Collier County between FDEP monuments R-16 and R-17.

The initial phase of the latest Inlet Management Plan Study was implemented in 2013 for maintenance dredging and initial realignment of the channel.

In 2015, an interim maintenance dredging project cleared the shoal across the main inlet entrance channel. Material was placed in the ebb shoal disposal area north of the channel and within the flood shoal disposal.

In Spring 2018, dredging split 2/3 of the total volume to the north and 1/3 of the total volume to the south to maintain the navigation of the inlet, refine and reinforce the alignment begun with the 2013 project.

In March 2020 the County conducted a small interim dredging project, but due to storms since this project completion, the County needed an emergency dredging project to remove shoals that impeded navigation. As such, Wiggins Pass was dredged between January 26, 2022 and March 10, 2022.

The County anticipates conducting a full channel dredging in 2025/2026.

The requested funds are for construction, permitting and monitoring. FDEP staff have determined that the project is eligible for a 50% state cost share.



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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.

The requested funds are for construction, permitting and monitoring. No requests from previous years.

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. 10,560 feet

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.

7. 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 22/23, 23/24, and 24/25). Eligible costs will be added to the current funding request.

8. 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
22/23						
22/23						
22/23						
23/24						
23/24						
23/24						



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Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
24/25						
24/25						
24/25						
25/26	Construction	Full Channel Dredging Construction	\$0	\$800,000	\$800,000	\$1,600,000
25/26	Permitting	Permitting	\$0	\$50,000	\$50,000	\$100,000
25/26	Monitoring	Environmental & Physical Monitoring, and Tilling	\$0	\$60,000	\$60,000	\$120,000
26/27	Design	Interim Dredging Design	\$0	\$75,000	\$75,000	\$150,000
26/27	Monitoring	Environmental & Physical Monitoring, and Tilling	\$0	\$65,500	\$65,500	\$131,000
26/27						
27/28	Construction	Interim Dredging Design	\$0	\$400,000	\$400,000	\$800,000
27/28	Monitoring	Environmental & Physical Monitoring, and Tilling	\$0	\$71,400	\$71,400	\$142,800
27/28						
28/29	Design	Full Channel Dredge Design	\$0	\$84,000	\$84,000	\$168,000
28/29	Monitoring	Environmental & Physical Monitoring, and Tilling	\$0	\$78,000	\$78,000	\$156,000
28/29						
29/30	Construction	Full Channel Dredging Construction	\$0	\$900,400	\$900,400	\$1,800,800
29/30	Monitoring	Environmental & Physical Monitoring, and Tilling	\$0	\$67,500	\$67,500	\$135,000
29/30						



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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:

20,600 cubic yards per year.

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:

20,600cy/yr (1/3 south, 2/3 north)

9. Balancing the sediment budget

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

40,225 cy since 2018

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.

Dredging:

2011, 49,900 cy removed from Wiggins Pass.
2013, 107,370 cy removed from Wiggins Pass
2015, 9,400 cy removed from Wiggins Pass and channel.
2018, 96,000 cy removed from Wiggins Pass and channel.
2020, 48,041 cy removed from Wiggins Pass.
2022, 66,033 cy removed from Wiggins Pass and channel.

The 1995 Inlet Management Study and corresponding strategic beach management plan was implemented starting in 2001.

A new study was completed in 2012, permitted and initiated in 2013. FDEP approved the final plan in April 2018.

Since adoption, the bypassing objectives have been met.



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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
2012				
2013		66,064	Ebb Shoal (remaining dredged material not bypassed)	R12-R16
2014				
2015		9,400	Ebb Shoal and Interior Channel	R15.5-R16
2016				
2017				
2018		53,396	Ebb Shoal and Interior Channel	R12-R14
2019				
2020		48,041	Ebb Shoal	R12-R14 and R18-R20
2021				
2022		66,033	Ebb Shoal and Interior Channel	R18 and R20
2023				
Total per method	0	242,934		

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:

None proposed at this time

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

None

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

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:

57,910 cy/yr

13. Active permits

Does the project have an active state permit?

☐ Yes

Permit number:

0142538-015-JN

Authorization date:

1/2/2013

Expiration date:

1/2/2028

Does the project have an active federal permit? ☐ Yes

Permit number:

SAJ-2004-07621(IP-MJD)

Authorization date:

2/13/2013

Expiration date:

2/13/2025

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14. Federal funds available

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

No

15. Secured local funds

Has the necessary local funding been secured for the proposed project? If so, provide a copy of the draft Resolution.

Yes

Additional
comments

CAO