

Beach Management Funding Assistance Program
Fixed Capital Outlay Local Government Funding Request
Fiscal Year 2023-2024

Office of Resilience and Coastal Protection
Florida Department of Environmental Protection

March 2023





*2021 South Amelia Island Beach Nourishment Project, DEP Reference Monument R-72, Nassau County
Photo credit: Olsen Associates, Inc.*

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Introduction

Florida is dependent on its 825 miles of sandy beaches fronting the Atlantic Ocean, Gulf of Mexico, and Straits of Florida for storm protection. Healthy beaches protect public infrastructure and private upland development, provide critical habitat for many endangered and threatened species, and secure recreational and economic interest along the state's sandy shoreline. According to the Florida Office of Economic and Demographic Research (2015), "...the state's investment in the Beach Management Program generated a positive return on investment of 5.4... estimated using tax revenues resulting from visitor spending... A return of greater than 1 means that the tax revenue generated by tourists to the state of Florida more than covers the state's expenditure on beaches..."

The Florida Department of Environmental Protection (DEP) is charged, in Chapter 161, Florida Statutes (F.S.), with developing and implementing a comprehensive, long-range statewide beach management plan. DEP has developed, in coordination with local sponsors and the U.S. Army Corps of Engineers (USACE), a Strategic Beach Management Plan (Strategic Plan), Long Range Budget Plan, and annual inventory of beach erosion control project activities proposed for the coming fiscal year. The Strategic Plan adopts strategies for erosion control activities along critically-eroded beaches and inlets. Projects must have a clearly identifiable beach management benefit consistent with the Strategic Plan to be eligible for state funding assistance.

Florida's beach management program provides funding for a variety of local government-sponsored erosion control activities (e.g., feasibility and design studies, construction of erosion control structures and engineered sand placement, and post-construction physical and biological monitoring to document project performance and potential impacts). Restoration involves the initial placement of sand to rebuild a beach that has been severely eroded. Beach nourishment, or periodic maintenance, places sand on previously restored beaches at specific intervals based on project performance in order to maintain original design intent for storm protection, recreational beach area, and habitat enhancement. Inlet management and inlet sand bypassing are also critical to account for the disruption of sand transport along the shoreline caused by the maintenance and dredging of inlets.

DEP currently designates 426.3 miles of sandy shoreline as critically eroded. This does not include the recent beach erosion due to Hurricane Ian and Hurricane Nicole. Since 1998, the Florida Legislature has dedicated over \$1.15 billion of the Ecosystem Management and Restoration Trust Fund, Land Acquisition Trust Fund, and General Revenue for beach management. Of this, nearly \$109 million was

appropriated specifically for hurricane recovery projects. The aforementioned appropriations do not account for funding appropriated during the 2022 special session or funding requested for the Fiscal Year 2023-2024 budget related to Hurricanes Ian and Hurricane Nicole. State funds are cost-shared with local governments on local and federally authorized projects, with each level of government contributing about one-third of the cost of the entire project. This funding has resulted in the restoration and subsequent maintenance of more than 252.9 miles, or 59 percent, of the state's critically eroded beaches.

The funding requests for Fiscal Year (FY) 2023/2024 consist of 47 different projects, which total \$30.79 million. The prioritized list of beach erosion control projects is organized in two sections: (1) Beach Restoration and Nourishment Projects (Beach Projects); and (2) Inlet Sand Bypassing/Inlet Management Plan Implementation Projects (Inlet Projects). Each section contains a list of eligible projects ranked in priority order, based on the authority in sections 161.101 and 161.143, F.S., and the procedures outlined in Chapter 62B-36, Florida Administrative Code (F.A.C.), as amended in 2020. Effective July 1, 2019, Chapter 2019-122 Laws of Florida (House Bill 325), amended sections 161.101 and 161.143, F.S.; The amendments to Chapter 62B-36, F.A.C., took effect in 2020. Post-construction monitoring, as required by state and federal permits, is presented on each list as a consolidated category, pursuant to section 62B-36.003(11), F.A.C. Projects have been evaluated by DEP based on consistency with the Strategic Plan, permitting status, readiness to proceed with the proposed funding phase, and appropriateness of the amount of funding requested. An additional \$19.2 million will be made available for projects with a need for sand placement and vegetation to restore dunes, hurricane repairs, or feasibility studies to address new projects and is listed under the Beach Projects section.

This document is organized with an overview of the beach projects, followed by a summary funding table with beach projects listed in priority order and a summary table for the post-construction monitoring of beach projects. Next, the document provides an overview of the inlet projects, followed by a summary funding table with inlet projects listed in priority order and a summary table for the post-construction monitoring of inlet projects. Lastly, project descriptions of individual beach and inlet projects are provided in the order they appeared in the funding tables. Project descriptions are not provided for the post-construction monitoring beach and inlet projects.

Beach Restoration and Nourishment Projects

DEP has developed a multi-year repair and maintenance strategy to implement the state's responsibilities for a comprehensive, long-range, statewide program of beach erosion control, including beach restoration, nourishment and storm protection. The principles of this strategy are to:

- Maximize the infusion of beach-quality sand into the coastal system;
- Implement projects that contribute most significantly to addressing the state's beach erosion problems;
- Extend the life of beach restoration projects and reduce the frequency of nourishment;
- Encourage regional approaches to ensure the geographic coordination and sequencing of projects; and
- Reduce equipment mobilization and demobilization costs.

The funding requests for the FY 2023/2024 Beach Projects total \$24.72 million, with an additional \$19.2 million being requested for statewide dune and vegetation projects. Projects are presented in the following order:

- Beach Restoration and Nourishment Projects: a total of 21 projects requesting funds for feasibility studies, design and permitting, construction, and first year post-construction monitoring (five of these projects are also listed on the post-construction monitoring list), and 1 project listed for statewide dune a vegetation projects.
- Years 2+ Post-Construction Monitoring: a combined list of 21 projects requesting funds for state and federal permit-required monitoring.

Projects have been evaluated by DEP and ranked in priority order in accordance with Chapter 62B-36, F.A.C. The descriptions of the proposed projects are based primarily on information provided by local governments. Funding eligibility and state cost share percentages are calculated individually for each project based on public access, as defined by program rule.

Beach Restoration and Nourishment Projects

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
	Post-Construction Monitoring (1)	Various	Monitoring	\$416,974.00	\$2,433,109.77	\$3,023,279.23	\$5,873,363.00	\$2,433,109.77
1	Duval County Shore Protection Project (3)	City of Jacksonville	Feasibility, Construction, Monitoring	\$2,960,000.00	\$975,403.90	\$1,104,792.10	\$5,040,196.00	\$3,408,523.68
2	Longboat Key Beach Nourishment Project	Town of Longboat Key	Construction, Monitoring	\$0.00	\$560,352.00	\$1,519,648.00	\$2,080,000.00	\$3,968,865.68
3	Lido Key Shore Protection Project	City of Sarasota	Design, Construction, Monitoring	\$325,000.00	\$1,379,250.00	\$1,379,250.00	\$3,083,500.00	\$5,348,115.68
4	Hillsboro Beach Nourishment Project (2)	City of Deerfield Beach	Design, Construction, Monitoring	\$1,880,894.00	\$4,414,553.00	\$4,414,553.00	\$10,710,000.00	\$9,762,668.68
5	St. Andrews State Park Beach Restoration Project	Bay County	Construction	\$0.00	\$6,400,000.00	\$0.00	\$6,400,000.00	\$16,162,668.68
6	Surfside Dune Restoration Project (3)	Town of Surfside	Design, Construction	\$0.00	\$470,800.00	\$470,800.00	\$941,600.00	\$16,633,468.68
7	Jupiter Island Beach Nourishment & Blowing Rocks Dune Restoration Project	Town of Jupiter Island	Feasibility, Construction, Monitoring	\$0.00	\$114,000.00	\$486,000.00	\$600,000.00	\$16,747,468.68
8	Panama City Beaches Shore Protection Project (3)	Bay County	Design	\$0.00	\$799,048.05	\$1,324,949.95	\$2,123,998.00	\$17,546,516.72
9	Collier County Beach Nourishment Project	Collier County	Design, Monitoring	\$0.00	\$406,848.00	\$553,152.00	\$960,000.00	\$17,953,364.72
10	Mid- Town Beach Nourishment Project	Town of Palm Beach	Design	\$0.00	\$694,695.00	\$755,305.00	\$1,450,000.00	\$18,648,059.72

- (1) Biological and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring List. A total of 22 previously constructed projects require monitoring activities for FY 2023/2024. A complete monitoring project listing can be found on Page 6. First year monitoring has been included with construction funds.
- (2) Federal cost share from FEMA for hurricane damage repair.
- (3) Funding request is for reimbursement of a project phase that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY 2022/2023.

Beach Restoration and Nourishment Projects (continued)

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
11	North Boca Raton Shore Protection Project (3)	City of Boca Raton	Design	\$172,650.00	\$63,675.00	\$63,675.00	\$300,000.00	\$18,711,734.72
12	Pensacola Beach Nourishment Project	Santa Rosa Island Authority	Design	\$0.00	\$125,000.00	\$125,000.00	\$250,000.00	\$18,836,734.72
13	Brevard County South Beaches Dune Restoration Project	Brevard County	Construction, Monitoring	\$0.00	\$1,811,700.00	\$4,288,300.00	\$6,100,000.00	\$20,648,434.72
14	South Jupiter Beach Restoration Project (Segment 2) (3)	Palm Beach County	Design	\$0.00	\$190,097.00	\$190,097.00	\$380,194.00	\$20,838,531.72
15	St. Joseph Peninsula Beach Nourishment Project	Gulf County	Design	\$0.00	\$76,000.00	\$124,000.00	\$200,000.00	\$20,914,531.72
16	Martin County Shore Protection Project	Martin County Board of County Commissioners	Design	\$0.00	\$199,364.53	\$234,319.47	\$433,684.00	\$21,113,896.26
17	Bathtub Beach/ Sailfish Point Beach Nourishment Project	Martin County Board of County Commissioners	Construction, Monitoring	\$0.00	\$1,405,620.00	\$2,394,380.00	\$3,800,000.00	\$22,519,516.26
18	Juno Beach Nourishment Project (Segment 3)	Palm Beach County	Design	\$0.00	\$175,000.00	\$175,000.00	\$350,000.00	\$22,694,516.26
19	Phipps Ocean Park Beach Nourishment Project	Town of Palm Beach	Design	\$0.00	\$559,120.00	\$890,880.00	\$1,450,000.00	\$23,253,636.26
20	Jupiter-Carlin Shore Protection Project (Segment 1)	Palm Beach County	Design, Monitoring	\$0.00	\$125,000.00	\$125,000.00	\$250,000.00	\$23,378,636.26
21	Key Biscayne Beach Nourishment Project	Village of Key Biscayne	Design	\$0.00	\$1,350,762.00	\$1,603,015.00	\$2,953,777.00	\$24,729,398.48
22	Statewide Dune Restoration and Vegetation Projects	Statewide	Construction	\$0.00	\$19,200,759.82	\$19,200,759.82	\$38,401,519.64	\$43,930,158.30
	TOTAL			\$5,755,518.00	\$43,930,158.30	\$44,446,155.57	\$94,131,831.64	\$43,930,158.30

- (1) Biological and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring List. A total of 21 previously constructed projects require monitoring activities for FY 2023/2024. A complete monitoring project listing can be found on Page 6. First year monitoring has been included with construction funds.
- (2) Federal cost share from FEMA for hurricane damage repair.
- (3) Funding request is for reimbursement of a project phase that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY 2022/2023.

Beach Restoration and Nourishment Post-Construction Monitoring

Project Description

This category serves to provide funding for monitoring activities associated with previously constructed projects. Eligible program activities include physical and biological monitoring required by permit.

Funds Requested

Funds will be used to support the following projects identified in priority order for year 2 post-construction monitoring and beyond. First year monitoring required by permit is included in the construction funds on the previous Beach Restoration and Nourishment Projects list.

Project Name	Federal	State	Local	Total
Anna Maria Island Beach Nourishment Project (non-federal)	\$0.00	\$32,550.00	\$32,550.00	\$65,100.00
Brevard County Shore Protection Project – North and South Reaches	\$0.00	\$220,000.00	\$220,000.00	\$440,000.00
Brevard County Shore Protection Project – Mid- Reach	\$0.00	\$300,000.00	\$300,000.00	\$600,000.00
Duval County Shore Protection Project	\$0.00	\$77,499.79	\$87,780.21	\$165,280.00
South Amelia Island Beach Nourishment Project	\$0.00	\$140,446.50	\$186,553.50	\$327,000.00
Navarre Beach Nourishment Project	\$25,374.00	\$37,313.00	\$37,313.00	\$100,000.00
St. Johns County Shore Protection Project	\$322,000.00	\$86,248.80	\$111,751.20	\$520,000.00
South Ponte Vedra Dune Restoration Project	\$0.00	\$42,120.00	\$197,880.00	\$240,000.00
South Ponte Vedra and Vilano Beach Restoration Project	\$69,600.00	\$89,211.22	\$166,188.78	\$325,000.00
South Marco Island Beach Nourishment Project	\$0.00	\$28,895.89	\$78,404.11	\$107,300.00
Manatee County Shore Protection Project	\$0.00	\$48,125.00	\$48,125.00	\$96,250.00
Manasota Key Beach Restoration Project	\$0.00	\$102,814.60	\$185,585.40	\$288,400.00
Broward County Shore Protection Project - Segment III	\$0.00	\$435,161.73	\$184,571.27	\$619,733.00
Delray Beach Shore Protection Project	\$0.00	\$59,300.00	\$59,300.00	\$118,600.00
Central Boca Raton Beach Nourishment Project	\$0.00	\$32,036.24	\$43,663.76	\$75,700.00
Jupiter/Carlin Shore Protection Project	\$0.00	\$75,000.00	\$75,000.00	\$150,000.00
Ft. Pierce Shore Protection Project	\$0.00	\$150,000.00	\$150,000.00	\$300,000.00
South St. Lucie County Beach Nourishment Project	\$0.00	\$195,705.00	\$254,295.00	\$450,000.00
Jupiter Island Beach Nourishment and Blowing Rocks Dune Project	\$0.00	\$50,350.00	\$214,650.00	\$265,000.00

Beach Restoration and Nourishment Post-Construction Monitoring (continued)

Project Name	Federal	State	Local	Total
Longboat Key Beach Nourishment Project	\$0.00	\$56,574.00	\$153,426.00	\$210,000.00
Collier County Beach Nourishment Project	\$0.00	\$173,758.00	\$236,242.00	\$410,000.00
TOTAL	\$416,974.00	\$2,433,109.77	\$3,023,279.23	\$5,873,363.00

Inlet Sand Bypassing/Inlet Management Plan Implementation Projects

Navigational inlets are not only critical components of the state's commercial and recreational infrastructure, but they contribute significantly to beach erosion by interrupting or altering the natural drift of sand. For this reason, Florida's Legislature directed DEP to commit its comprehensive beach management efforts to addressing beach erosion caused by inlets. Funding for the inlet projects will be used to implement the actions recommended in the specific Inlet Management Plans (IMP) or the statewide Strategic Plan. IMPs adopted by DEP are incorporated into the Strategic Plan by reference along with other inlet management strategies. Feasibility studies conducted by local governments, federal and state studies and reports, and the study reports authorizing federal shore protection projects are also incorporated by reference. Inlet management projects include, but are not limited to, inlet sand bypassing, modifications to channel dredging, jetty redesign, jetty repair, disposal of dredge material, and the development, revision, adoption, or implementation of an IMP.

The Legislature amended section 161.142, F.S., and created section 161.143, F.S., in 2008 to strengthen DEP's commitment to managing sediment around inlets. These sections direct DEP to develop and maintain sediment budgets for each inlet and ensure beach quality sand is placed on adjacent eroding beaches. They further establish funding priorities and ranking criteria for inlet projects and require DEP to provide an annual inlet project list to the Legislature for funding consideration. Rule 62B-36, F.A.C., was amended in 2013 to incorporate ranking criteria specific to inlet projects and the criteria were updated in 2020 following statutory changes to section 161.143, F.S. These new criteria were used in ranking inlet projects for FY 2021/2022 through FY 2023/2024. Post-construction monitoring is consolidated into a single category, pursuant to Rule 62B-36.003(11), F.A.C.

The funding requirements provided in section 161.143, F.S. also include provisions that DEP shall designate for projects on the current year's inlet management project list, in priority order, an amount that is at least equal to the greater of:

- Ten percent of the total amount that the Legislature appropriates in the fiscal year for statewide beach management; or
- The percentage of inlet management funding requests from local sponsors as a proportion of the total amount of statewide beach management dollars requested in a given year.

Effective July 1, 2019, Chapter 2019-122 Laws of Florida (House Bill 325), amended section 161.143(3), F.S., stating that, “The department may pay from legislative appropriation up to 75 percent of the construction cost of an initial major inlet management project component for the purpose of mitigating the erosive effects of the inlet to the shoreline and balancing the sediment budget. All project costs not associated with an initial major inlet management project component must be shared equally by state and local sponsors in accordance with s. 161.101(15), F.S.”

The funding requests for the FY 2023/2024 Inlet Projects total \$6.07 million. The funding priorities established by DEP must be consistent with the requirements and legislative declaration in sections 161.101(14), 161.142, 161.143, and 161.161(1)(b), F.S. Projects are presented in the following order:

- Inlet Management Implementation/Inlet Sand Bypassing Projects: a total of nine projects requesting funds for feasibility studies, design and permitting activities, construction, and first year post-construction monitoring (two of these projects are also listed on the post-construction monitoring list).
- Years 2+ Post-Construction Monitoring: a combined list of three projects requesting funds for state and federal permit-required monitoring.

Projects have been evaluated by DEP and ranked in priority order in accordance with Chapter 62B-36, F.A.C. The descriptions of the proposed projects are based primarily on information provided by local governments. Funding eligibility and state cost share percentages are determined pursuant to section 161.143(3), F.S.

Inlet Sand Bypassing/Inlet Management Plan Implementation Projects

Rank	Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
	Post-Construction Monitoring (1)	Various	Monitoring	\$0.00	\$259,500.00	\$259,500.00	\$519,000.00	\$259,500.00
1	South Lake Worth IMP Implementation (2)	Palm Beach County	Design, Monitoring	\$0.00	\$138,147.00	\$138,147.00	\$276,294.00	\$397,647.00
2	Lake Worth IMP Implementation	Town of Palm Beach	Construction, Monitoring	\$0.00	\$698,500.00	\$698,500.00	\$1,397,000.00	\$1,096,147.00
3	Port Canaveral IMP Implementation	Canaveral Port Authority	Design	\$900,000.00	\$20,000.00	\$20,000.00	\$940,000.00	\$1,116,147.00
4	St. Lucie IMP Implementation	Martin County Board of County Commissioners	Construction, Monitoring	\$0.00	\$2,650,000.00	\$2,650,000.00	\$5,300,000.00	\$3,766,147.00
5	Jupiter IMP Implementation (2)	Jupiter Inlet District	Design, Construction	\$0.00	\$1,151,624.70	\$1,151,624.70	\$2,303,249.40	\$4,917,771.70
6	Boca Raton IMP Implementation	City of Boca Raton	Design Construction Monitoring	\$0.00	\$117,100.00	\$117,100.00	\$234,200.00	\$5,034,871.70
7	Sebastian Inlet IMP Implementation	Sebastian Inlet District	Construction, Monitoring	\$0.00	\$625,000.00	\$625,000.00	\$1,250,000.00	\$5,659,871.70
8	New Pass Inlet Management Plan	City of Sarasota	Feasibility, Design	\$0.00	\$174,970.00	\$174,970.00	\$349,940.00	\$5,834,841.70
9	Blind Pass Inlet Management Plan Study	Lee County	Feasibility	\$0.00	\$235,000.00	\$235,000.00	\$470,000.00	\$6,069,841.70
	TOTAL			\$900,000.00	\$6,069,841.70	\$6,069,841.70	\$13,039,683.40	\$6,069,841.70

- (1) Biological and physical monitoring required by state and federal permits has been consolidated on the Post-Construction Monitoring list. A total of one previously constructed project requires monitoring activities for FY 2023/2024. A complete monitoring project listing can be found on Page 11.
- (2) Funding request is for reimbursement of a project phase that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY 2022/2023.

Inlet Management Post-Construction Monitoring

Project Description

This category serves to provide funding for monitoring activities associated with previously constructed projects. Eligible program activities include physical and biological monitoring required by permit.

Funds Requested

Funds will be used to support the following projects identified in priority order for year 2 post-construction monitoring and beyond. First year monitoring required by permit is included in the construction funds on the Inlet Sand Bypassing/Inlet Management Plan Implementation Projects list.

Project Name	Federal	State	Local	Total
Wiggins Pass Inlet IMP Implementation	\$0.00	\$52,000.00	\$52,000.00	\$104,000.00
South Lake Worth IMP Implementation	\$0.00	\$50,000.00	\$50,000.00	\$100,000.00
Sebastian Inlet IMP Implementation	\$0.00	\$157,500.00	\$157,500.00	\$315,000.00
TOTAL	\$0.00	\$259,500.00	\$259,500.00	\$519,000.00

NAME OF PROJECT: Duval County Shore Protection Project

LOCAL SPONSOR: Duval County

LOCAL CONTACT: Robin Smith

PROJECT DESCRIPTION:

The Duval County Shore Protection Project is located between DEP monuments V501 and R80 in Duval County. Initial construction was completed in 1978/1980, with nourishments in 1987, 1991, 1995, 2005, 2011, 2017 and 2019. Requested funds are for feasibility, construction, and first year. Staff have determined that 93.78% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Feasibility, Construction, Monitoring (reimbursement for FY20/21 and FY21/22)

Federal	State	Local	Total
\$2,960,000.00	\$975,403.90	\$1,104,792.10	\$5,040,196.00

NAME OF PROJECT: Longboat Key Beach Nourishment Project

LOCAL SPONSOR: Town of Longboat Key

LOCAL CONTACT: Isaac Brownman

PROJECT DESCRIPTION:

The Longboat Key Beach Nourishment Project is between DEP monuments R42 and R67.5 in Manatee County and R1 to R29 in Sarasota County. The initial restoration occurred in 1993 with placement of sand dredged from Longboat Pass and New Pass. Since, the Town has conducted several maintenance projects, including substantial nourishment in 1997, 2005-06, and 2016. Most recently, the Town constructed a multi-segment beach nourishment project and a structural stabilization along the northern shoreline in 2021. Several engineered erosion control structures exist along the Longboat Key shoreline, including two concrete Permeable Adjustable Groins (PAG) in the vicinity of North Shore Road an offshore geotextile sill at R2 to R4.5, two PAGs at the Islander Club Condominium, a concrete groin at R18, and a terminal groin at New Pass. This project consists of beach nourishment and monitoring. DEP staff has determined that 53.88% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$560,352.00	\$1,519,648.00	\$2,080,000.00

NAME OF PROJECT: Lido Key Shore Protection Project

LOCAL SPONSOR: City of Sarasota

LOCAL CONTACT: Nikesh Patel

PROJECT DESCRIPTION:

The Lido Key Shore Protection Project is located between DEP monuments R34 and R44 along the Gulf of Mexico in the City of Sarasota in Sarasota County. This project is expected to provide for periodic nourishment, every 5-7 years. This project began in 1997 as a non-federal project. The Army Corp completed the Lido Key Feasibility Report in 2002 and the project was authorized in WRDA in 2008. The first federal project nourishment was completed in May 2021. This request is to add additional sand to the dunes to increase the level of protection from the 10-year storm to the 25-year storm event. This request also including monitoring for the federal shore protection project. DEP staff has determined 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design, Construction, and Monitoring

Federal	State	Local	Total
\$325,000.00	\$1,379,250.00	\$1,379,250.00	\$3,083,500.00

NAME OF PROJECT: Hillsboro/Deerfield Beach Nourishment Project

LOCAL SPONSOR: City of Deerfield Beach

LOCAL CONTACT: Patrick Bardes

PROJECT DESCRIPTION:

The Hillsboro/Deerfield Beach Nourishment Project is located between DEP monuments R5+350' in the City of Deerfield Beach and R9 in the Town of Hillsboro Beach in Broward County. The project has placed approximately 1.4 million cubic yards (cy) of sand within approximately 7,000 ft of shoreline in the Town of Hillsboro Beach and the City of Deerfield Beach since 1972. Placement has occurred in different sections of beach between monuments R6 and R12. The requested funds are for design, construction, and monitoring. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, Construction, and Monitoring

Federal	State	Local	Total
\$1,880,894.00	\$4,414,553.00	\$4,414,553.00	\$10,710,000.00

NAME OF PROJECT: St. Andrews State Park Beach Restoration

LOCAL SPONSOR: Bay County

LOCAL CONTACT: Robert J. Majka Jr.

PROJECT DESCRIPTION:

The St. Andrews State Park Beach Restoration Project is located between DEP monuments R- 92 and R- 97 in Bay County. The requested funds are for restoration to match the adjacent federal template. Staff have determined that 100% of the project is eligible for state reimbursement, as the project is located within a state park.

FUNDS WILL BE USED FOR:

Construction

Federal	State	Local	Total
\$0.00	\$6,400,000.00	\$0.00	\$6,400,000.00

NAME OF PROJECT: Surfside Dune Restoration Project

LOCAL SPONSOR: Town of Surfside

LOCAL CONTACT: Hector Gomez

PROJECT DESCRIPTION:

The Surfside Dune Restoration Project is located between DEP monuments R31+350' and R36+387' in Miami-Dade County. The restoration of the federally authorized Miami-Dade County Shore Protection Project at Surfside (R31-R38) was completed in January 1978 using sand from offshore borrow sites. Federal nourishment projects are constructed periodically and on an "as needed" basis, with hot-spot nourishment being conducted by the County using upland sand between federal projects. The most recent nourishment was completed in 2020. The Town of Surfside has developed a Dune Plan to maintain the dune system and minimize beach erosion. The requested funds are for design and permitting associated with the dune project. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$470,800.00	\$470,800.00	\$941,600.00

NAME OF PROJECT: Jupiter Island Beach Nourishment and Blowing Rocks Dune Project

LOCAL SPONSOR: Town of Jupiter Island

LOCAL CONTACT: John Duchock

PROJECT DESCRIPTION:

The Jupiter Island Beach Nourishment and Blowing Rocks Dune Project consists of approximately 41,026 ft of shoreline between DEP monuments R73 to R117, and R126 to R127+400' in Martin County. The project has had regular nourishments since 1973, with the most recent nourishment completed in 2020/2021 to repair damages from Hurricane Dorian. The Blowing Rocks dune component was nourished in 2008, 2012, 2014, 2017, and 2020. Re-construction of the Blowing Rocks dune project is scheduled for winter 2022-2023. The requested funds are for a USACE permit renewal and re-construction of the dunes project. Staff have determined that 38% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, Construction, and Monitoring

Federal	State	Local	Total
\$0.00	\$114,000.00	\$486,000.00	\$600,000.00

NAME OF PROJECT: Panama City Beaches Shore Protection Project

LOCAL SPONSOR: Bay County

LOCAL CONTACT: Robert J. Majka Jr.

PROJECT DESCRIPTION:

The Panama City Beaches Shore Protection Project is located between DEP monuments R1 and R92 in Bay County. The project was restored in 1998/1999 and nourished in 2006, 2017, and 2022. The requested funds are for design for the next nourishment. Staff have determined that 75.24% of the design and monitoring is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (FY23/24 and reimbursement for FY22/23)

Federal	State	Local	Total
\$0.00	\$799,048.05	\$1,324,949.95	\$2,123,998.00

NAME OF PROJECT: Collier County Beach Nourishment Project

LOCAL SPONSOR: Collier County

LOCAL CONTACT: Andrew Miller

PROJECT DESCRIPTION:

The Collier County Beach Nourishment Project is located in three segments between DEP monuments R22+300 and R30.5 (Vanderbilt Beach), R42 and R54+400 (Park Shore), and R58 and R79 (Naples). The project includes nourishment and monitoring of the Collier County beaches, dredging of Doctors and Clam Passes and construction/maintenance of erosion control structures for sand retention. Initial restoration was completed in 1996 and the last full-scale nourishment with offshore sand was completed in 2006. The beaches are now routinely maintained through periodic nourishment using upland sand sources and through inlet sand bypassing. The requested funds are for design and monitoring for the next nourishment. DEP staff has determined that the Naples Beach section is eligible for 95% state cost sharing, Vanderbilt Beach section is eligible for 85.9% state cost sharing, and Park Shore is eligible for 68.7% state cost sharing.

FUNDS WILL BE USED FOR:

Design and Monitoring

Federal	State	Local	Total
\$0.00	\$406,848.00	\$553,152.00	\$960,000.00

NAME OF PROJECT: Mid-Town Beach Nourishment Project

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

PROJECT DESCRIPTION:

The Mid-Town Beach Nourishment Project includes 2.8 miles of shoreline between DEP monuments R89 and R102 in Palm Beach County. Restoration was completed in 1995 from R-95 to R-100 and included the construction of 11 groins. In 2003, nourishment was completed in an extended shoreline length between R90.4 and R101.4. The project was nourished using FEMA funds in 2006 and in 2011. The project was included in the 2013 Palm Beach Island Beach Management Agreement Pilot Project. The next nourishment was completed in April 2015. Construction of an additional groin at R-99 was completed in May 2018. The Town signed a Project Partnership Agreement with the USACE in 2019 to have the Mid-Town Segment included within the Palm Beach County Federal Shore Protection Project. The most recent nourishment was completed in May 2020 and it was the first nourishment performed with federal cost share. The requested funds are for design for the next nourishment. Staff have determined that 95.83% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$694,695.00	\$755,305.00	\$1,450,000.00

NAME OF PROJECT: North Boca Raton Shore Protection Project

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Erin Tierney

PROJECT DESCRIPTION:

The North Boca Raton Shore Protection Project includes 1.5 miles of shoreline between DEP monuments R205 and R212 in Palm Beach County. Restoration was completed in 1988 and nourishments have been completed in 1998, 2010, 2014, and 2020. The 2014 event repaired storm damages from Hurricane Sandy and the 2020 event repaired storm damages from Hurricane Matthew. Both projects were constructed by the USACE with funds from the Flood Control and Coastal Emergencies appropriation. The requested funds are for design of the upcoming 2026/2027 nourishment. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (FY23/24 and reimbursement for FY22/23)

Federal	State	Local	Total
\$172,650.00	\$63,675.00	\$63,675.00	\$300,000.00

NAME OF PROJECT: Pensacola Beach Nourishment Project

LOCAL SPONSOR: Santa Rosa Island Authority

LOCAL CONTACT: Juan Lemos

PROJECT DESCRIPTION:

The Pensacola Beach Nourishment Project is located between DEP monuments R107 and R 151 in Escambia County. Initial restoration was completed in 2003 with a repair project completed in 2006 after Hurricane Ivan. A full nourishment was completed in 2016. Impacts of Hurricane Sally in 2020 damaged the dunes. The requested funds are for design for a maintenance nourishment project. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$125,000.00	\$125,000.00	\$250,000.00

NAME OF PROJECT: Brevard County South Beaches Dune Restoration Project

LOCAL SPONSOR: Brevard County

LOCAL CONTACT: Mike McGarry

PROJECT DESCRIPTION:

The Brevard County South Beaches Dune Restoration Project is located between DEP monuments R141 and R202. Since initial construction, eight nourishments have been constructed between 2006 and 2021. The requested funds are for dune nourishment and 1st year post- construction monitoring. Staff have determined that 59.40% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$1,811,700.00	\$4,288,300.00	\$6,100,000.00

NAME OF PROJECT: South Jupiter Beach Restoration Project (Segment 2)

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Reubin Bishop

PROJECT DESCRIPTION:

The South Jupiter Beach Restoration Project (Segment 2) is located between DEP monuments R19 and R26 in Palm Beach County. In 2016, a dune restoration was conducted to provide storm protection to A1A/Ocean Blvd. In September of 2017, Hurricane Irma resulted in caused erosion to the dune system. Dune restoration projects were completed in 2021 and 2022. A feasibility study to evaluate various shoreline protection alternatives has been completed. The results of the study support a limited beach nourishment project along this section, for which the County will conduct initial project design with a goal of a comprehensive project incorporating all three segments into a single fill event, thereby reducing project costs and increasing project performance. The requested funds are for design and permitting. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (FY23/24 and reimbursement for FY22/23)

Federal	State	Local	Total
\$0.00	\$190,097.00	\$190,097.00	\$380,194.00

NAME OF PROJECT: St. Joseph Peninsula Beach Nourishment Project

LOCAL SPONSOR: Gulf County

LOCAL CONTACT: Michael Hammond

PROJECT DESCRIPTION:

The St. Joseph Peninsula Beach Nourishment Project is located between DEP monuments R67 and R105.5 in Gulf County. The first restoration was completed in 2009 with subsequent nourishment in 2019. The requested funds are for a geotechnical investigation/sand search for the next nourishment. Staff have determined that 76% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$76,000.00	\$124,000.00	\$200,000.00

NAME OF PROJECT: Martin County Shore Protection Project

LOCAL SPONSOR: Martin County Board of County Commissioners

LOCAL CONTACT: Jessica Garland

PROJECT DESCRIPTION:

The Martin County Shore Protection Project consists of 4.21 miles of shoreline located between DEP monuments R1 and R25.6 in Martin County. The project was federally authorized in 1995 for a 50-year project lifespan. The initial restoration was completed in 1996, with subsequent nourishments constructed in 2001-2002, 2005, 2013, and 2018. The requested funds are for design and permitting of the 2026 nourishment project. Staff have determined that 91.94% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$199,364.53	\$234,319.47	\$433,684.00

NAME OF PROJECT: Bathtub Beach/Sailfish Point Beach Nourishment Project

LOCAL SPONSOR: Martin County Board of County Commissioners

LOCAL CONTACT: Jessica Garland

PROJECT DESCRIPTION:

The Bathtub Beach/Sailfish Point Beach Nourishment Project includes 5,102 ft of shoreline between DEP monuments R34.3 and R40 in Martin County. The Bathtub Beach segment of the project was restored in 2012. The Sailfish Point segment of the project was designated as critically eroded in 2015. A 2016 construction project included nourishment of Bathtub Beach and restoration of Sailfish Point. Storm repair projects were constructed in 2017 and 2018 to address Hurricane Matthew and Irma impacts respectively. In 2021, material from the Sailfish Point Navigation Channel, Federal Channel and Impoundment Basin were placed on the beach between R34.3 and R40. The requested funds are for construction of the remaining sand needed to meet the St. Lucie Inlet Management Plan bypass objective, and first year monitoring. Staff have determined that 73.98% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$1,405,620.00	\$2,394,380.00	\$3,800,000.00

NAME OF PROJECT: Juno Beach Nourishment Project (Segment 3)

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Reubin Bishop

PROJECT DESCRIPTION:

The Juno Beach Nourishment Project is located between DEP monuments R26 and R38 in Palm Beach County. This 2.42-mile-long section of beach was first nourished in 2001 and subsequently impacted by two hurricanes and a tropical storm in 2004, 2005 and 2008, respectively. The second nourishment was completed in March 2010. This segment of beach was again impacted by two hurricanes in 2017 and 2019. The third nourishment was completed in February 2021. The requested funds are for design for a borrow area and a sand search. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$175,000.00	\$175,000.00	\$350,000.00

NAME OF PROJECT: Phipps Ocean Park Beach Nourishment Project

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

PROJECT DESCRIPTION:

The Phipps Ocean Park Beach Nourishment Project includes 2.1 miles of shoreline located between DEP monuments R116+450' to R127+87' in Palm Beach County. In 2004, a 3.1-acre artificial reef was constructed to mitigate for impacts to hardbottom resources in advance of the 2006 restoration. A FEMA dune nourishment was completed in 2011 to repair damages sustained during Tropical Storm Fay. The project is included in the 2013 Palm Beach Island Beach Management Agreement Pilot Project. An interim dune nourishment was completed in 2015 in coordination with the Mid-Town Beach project. A full nourishment was completed in 2016, with an expansion of the project limit, and a storm recovery project was completed in 2021. The next nourishment event is scheduled for 2024/2025. The requested funds are for design funds to complete a sand search and delineate borrow areas for the next nourishment event. Staff have determined that 77.12% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$559,120.00	\$890,880.00	\$1,450,000.00

NAME OF PROJECT: Jupiter/Carlin Shore Protection Project (Segment 1)

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Reubin Bishop

PROJECT DESCRIPTION:

The Jupiter/Carlin Shore Protection Project is located between DEP monuments R13 and R19 in Palm Beach County. The federally authorized project was restored in 1995 and nourished in 2002. The project receives routine bypass material from Jupiter Inlet. A dune restoration project was completed in January 2013 in response to Hurricane Sandy. The federal storm repair project was completed by the U.S. Army Corps of Engineers (USACE) in April 2015 and was combined with sand bypassing from the Jupiter Inlet District (JID) and a local-option truck haul project from Palm Beach County (PBC). Sand was placed within the project by JID in early 2017. The USACE completed a Flood Control and Coastal Emergencies (FCCE) Storm repair project in FY 19/20 that restored storm losses due to Hurricane Irma. A follow up nourishment was completed December 2021. The requested funds are for Monitoring and Design. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design and Monitoring

Federal	State	Local	Total
\$0.00	\$125,000.00	\$125,000.00	\$250,000.00

NAME OF PROJECT: Key Biscayne Beach Nourishment Project

LOCAL SPONSOR: Village of Key Biscayne

LOCAL CONTACT: Jack Ozyman

PROJECT DESCRIPTION:

The Key Biscayne Beach Nourishment Project is a 1.3-mile project between DEP monuments R101 and R108 in Miami-Dade County. The project was restored as a federally authorized restoration in 1987. In 1990, the project was de-authorized and was subsequently followed by four non-federal nourishments in 2002, 2008, 2012, and 2017. The most recent nourishment was completed in 2021 to address damages caused by Hurricane Irma. *The next nourishment was originally scheduled for 2025. In 2022 Hurricane Ian and Tropical Storm Nicole caused substantial sand loss and damage to protective beach structures. The requested funds are for the construction costs associated with the replacement of sand lost from Hurricane Ian and Tropical Storm Nicole, as well as the design costs for the next regular interval nourishment event.* Staff have determined that 91.46% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$1,350,762.22	\$1,603,014.78	\$2,953,777.00

NAME OF PROJECT: Statewide Dune Restoration and Vegetation Projects

LOCAL SPONSOR: Various

LOCAL CONTACT: FDEP Beach Management Funding Assistance Program

PROJECT DESCRIPTION:

Funds available for projects around the state demonstrating a need for sand placement and vegetation to restore dunes, hurricane repairs, or feasibility studies to address new projects. Applications will be solicited in 2023.

FUNDS WILL BE USED FOR:

Construction

Federal	State	Local	Total
\$0.00	\$19,200,759.82	\$19,200,759.82	\$38,401,519.60

NAME OF PROJECT: South Lake Worth Inlet Management Plan Implementation

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Tracy Logue

PROJECT DESCRIPTION:

The South Lake Worth Inlet (also known as Boynton Inlet) is located between DEP monuments R151 and R152 in Palm Beach County. The Inlet Management Plan (IMP) was adopted in March 1999, establishing an annual bypassing objective of 88,000 cubic yards of sand with 60,000 cubic yards to be bypassed by the sand transfer plant. The interior deposition basin (sand trap) was expanded in 2002 and in 2009 it was reconstructed. Seagrass mitigation was completed in 2014 and maintenance dredging was completed in 2015. A new sediment budget study has been finalized and will be a component of an updated IMP. The requested funds are for design and monitoring. Staff have determined that the remaining design tasks and monitoring tasks are eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Design (reimbursement for FY22/23) and Monitoring

Federal	State	Local	Total
\$0.00	\$138,147.00	\$138,147.00	\$276,294.00

NAME OF PROJECT: Lake Worth Inlet Management Plan Implementation

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

PROJECT DESCRIPTION:

Lake Worth Inlet is a federally authorized and maintained inlet located between DEP monuments R75 and R76 in Palm Beach County. A fixed sand transfer plant (STP) was constructed on the north jetty in 1958. The Lake Worth Inlet Management Plan (IMP) was adopted in 1996. A subsequent sediment budget study was completed in 2000, recommending an annual bypassing objective of 202,000 cubic yards of sand. The STP was reconstructed in 2010, replacing the diesel-powered pump with an electric pump. The next construction event is scheduled for 2024/2045 and will include placement of inlet-dredged sand between R78 and R82.2. The requested funds are for sand forepassing and annual monitoring as required by permit and in the Palm Beach Island Beach Management Agreement. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$698,500.00	\$698,500.00	\$1,397,000.00

NAME OF PROJECT: Port Canaveral Inlet Management Plan Implementation

LOCAL SPONSOR: Canaveral Port Authority

LOCAL CONTACT: Robert Musser

PROJECT DESCRIPTION:

The Port Canaveral Inlet is a federally authorized and maintained inlet located between DEP monuments V467 and R1 in Brevard County. The fifth sand bypassing event was completed in May 2019, and another is scheduled for FY 2024/25. The requested funds are for design of the next scheduled nourishment. Staff have determined 50% of the non-federal project cost is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$900,000.00	\$20,000.00	\$20,000.00	\$940,000.00

NAME OF PROJECT: St. Lucie Inlet Management Plan Implementation

LOCAL SPONSOR: Martin County Board of County Commissioners

LOCAL CONTACT: Jessica Garland

PROJECT DESCRIPTION:

The St. Lucie Inlet is located between DEP monuments R44 and R45 in Martin County. Federally authorized improvements began in 1974 with the construction of the first extension of the north jetty, a small south jetty, and a detached breakwater. The Inlet Management Plan (IMP) was adopted in 1995, and since then, regular sand bypassing has been conducted on a 4-5-year cycle, with the placement of over 3.28 million cubic yards of sand on the beaches of Jupiter Island to the south of the inlet. Extensive monitoring and modeling efforts were undertaken after the construction of the sediment impoundment basin in 2002 to understand the impact and functioning of the basin. As a result, a revised IMP was adopted in 2016. The IMP calls for sand bypassing to both the Town of Jupiter Island (161,000 cy/year) to the south and Bathtub Beach/Sailfish Point (34,000 cy/year) to the north. The requested funds are for the north bypass requirement for 3 years (34,000 cy per year), and Year 1 post-construction monitoring. Staff have determined the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$2,650,000.00	\$2,650,000.00	\$5,300,000.00

NAME OF PROJECT: Jupiter Inlet Management Plan Implementation

LOCAL SPONSOR: Jupiter Inlet District

LOCAL CONTACT: Joseph Chaison

PROJECT DESCRIPTION:

Jupiter Inlet is located between DEP monuments R12 and R13 in Palm Beach County and is maintained by the Jupiter Inlet District (JID). The sand bypassing project involves periodic maintenance dredging of approximately 60,000 cubic yards per year of sand from the 6.58-acre sand trap. The IMP was adopted in 1997 and has been dredged 21 times since IMP adoption. Sand from the inlet and sand trap are placed south of the inlet, between R13 and R19. The most recent inlet dredging event was completed in April of 2022 and placed 71,330 cy of material between R13 and R16. The requested funds are for design, construction, and environmental monitoring associated with maintenance dredging of from the sand trap inside Jupiter Inlet with beach placement. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Design (FY23/24 and reimbursement for FY21/22 and Construction (FY23/24 and reimbursement for FY20/21 and FY21/22)

Federal	State	Local	Total
\$0.00	\$1,151,624.70	\$1,151,624.70	\$2,303,249.40

NAME OF PROJECT: Boca Raton Inlet Management Plan Implementation

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Erin Tierney

PROJECT DESCRIPTION:

The Boca Raton Inlet is located between DEP monuments R222 and R223 in Palm Beach County. The Boca Raton Inlet Management Plan was adopted in 1997. The plan established a bypassing objective of 71,300 cubic yards of sand annually. In 2004, the bypassing objective was revised and increased to 83,000 cubic yards. Bypassing activities and associated monitoring occur annually using a city-owned dredge that bypasses sand to a fixed outfall located on the beach south of the inlet. A second discharge pipe is being designed to provide an alternative location to bypass dredged sand further away from the inlet. Construction of the second discharge pipe is scheduled for 2023/2024. The requested funds are for design, annual bypassing with city dredge, and annual physical monitoring. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Design, Construction, and Monitoring

Federal	State	Local	Total
\$0.00	\$117,100.00	\$117,100.00	\$234,200.00

NAME OF PROJECT: Sebastian Inlet Management Plan Implementation

LOCAL SPONSOR: Sebastian Inlet District

LOCAL CONTACT: Dave Kershaw

PROJECT DESCRIPTION:

The Sebastian Inlet Management Plan (IMP) Implementation Project is located between DEP monuments R215 and R219 in Brevard County, and R1 and R17 in Indian River County. The inlet channel, sand trap, and associated structures are managed by the Sebastian Inlet District (District). In 2011, the Dredged Material Management Area (DMMA) was constructed, which allows the District to store more than 30,000 cubic yards of beach-compatible sand for placement on downdrift beaches. Between 2013 and 2021, four nourishment events have been completed using sand from the DMMA. The requested funds are for a supplemental sediment bypassing project, and year 3 post-construction physical and biological monitoring from the 2021 construction event. Staff have determined the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$625,000.00	\$625,000.00	\$1,250,000.00

NAME OF PROJECT: New Pass Inlet Management Plan

LOCAL SPONSOR: City of Sarasota

LOCAL CONTACT: Nikesh Patel

PROJECT DESCRIPTION:

New Pass is located between DEP monuments R29 and R30 between Longboat Key and Lido Key in Sarasota County. New Pass Inlet was dredged most recently in 2019, bypassing material to Lido Key. An inlet management study was completed in 1993 but a plan for sediment bypassing has not been adopted. The primary focus of the proposed inlet management study will be to develop and updated sediment budget for New Pass. The project consists of Feasibility and Design. DEP staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$174,970.00	\$174,970.00	\$349,940.00

NAME OF PROJECT: Blind Pass Inlet Management Plan

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Stephen Boutelle

PROJECT DESCRIPTION:

Blind Pass is located between Sanibel and Captiva Islands between DEP monuments R109 and R110 in Lee County. The project site also includes the area of inlet influence along the Gulf of Mexico shoreline between R110 and R118 on Sanibel Island. Prior to the opening of Redfish Pass in 1921, Blind Pass was a more substantial inlet with a larger tidal prism. The Blind Pass ebb shoal associated with the larger tidal prism most likely helped maintain the seaward position of the south end of Captiva Island and the north end of Sanibel Island. In December 2008, Lee County began dredging to re-open Blind Pass, which was completed on July 31, 2009. With ongoing maintenance dredging, the pass has remained open and the dredge material has been placed downdrift on Sanibel Island. Lee County and DEP sponsored an inlet management study of Blind Pass in 2017 and an Inlet Management Plan was adopted in 2019, which compiled new and historical data and information regarding its coastal processes and inlet and shoreline dynamics, updated its sediment budget, and developed feasible alternatives for the mechanical transfer of sand from the inlet to the beaches south of the inlet. The proposed project is a feasibility study of inlet dynamics. DEP staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Feasibility

Federal	State	Local	Total
\$0.00	\$235,000.00	\$235,000.00	\$470,000.00