

Beach Management Funding Assistance Program
Fixed Capital Outlay Local Government Funding Request
Fiscal Year 2021-2022

Office of Resilience and Coastal Protection
Florida Department of Environmental Protection
January 2021





*2020 Mid-Town Beach Nourishment, Palm Beach County
Photo credit: Robert Weber, Town of Palm Beach*

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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 422.7 miles of sandy shoreline as critically eroded. Since 1998, the Florida Legislature has dedicated over \$932 million 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. 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 253.1 miles, or 60 percent, of the state's critically eroded beaches.

The funding requests for Fiscal Year (FY) 2021/2022 consist of 46 different projects, which total \$70.34 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.; however, the amendments to Chapter 62B-36, F.A.C., did not take effect until August 26, 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.

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 2021/2022 Beach Projects total \$62.58 million. Projects are presented in the following order:

- Beach Restoration and Nourishment Projects: a total of 24 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 below).
- Post-Construction Monitoring: a combined list of 16 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	\$356,490.00	\$1,265,664.10	\$2,198,656.90	\$3,820,811.00	\$1,265,664.10
1	Delray Beach Shore Protection Project (3)	City of Delray Beach	Design, Construction	\$2,010,964.00	\$1,188,249.50	\$1,188,249.50	\$4,387,463.00	\$2,453,913.60
2	Fort Pierce Shore Protection Project (3)	St. Lucie County	Design, Construction	\$7,776,000.00	\$2,519,379.50	\$2,519,379.50	\$12,814,759.00	\$4,973,293.10
3	Mid-Town Beach Nourishment (3)	Town of Palm Beach	Design, Construction	\$11,518,700.00	\$4,763,017.00	\$6,868,283.00	\$23,150,000.00	\$9,736,310.10
4	St. Johns County Shore Protection Project	St. Johns County	Design	\$805,000.00	\$84,942.00	\$110,058.00	\$1,000,000.00	\$9,821,252.10
5	Lido Key Beach Nourishment	City of Sarasota	Construction	\$1,139,500.00	\$1,119,750.00	\$1,119,750.00	\$3,379,000.00	\$10,941,002.10
6	Broward County Shore Protection Project – Segment III (3)	Broward County	Design	\$1,596,184.00	\$567,101.50	\$567,101.50	\$2,730,387.00	\$11,508,103.60
7	Bonita Beach Nourishment Project (3)	Lee County	Design, Construction	\$0.00	\$946,090.00	\$1,610,910.00	\$2,557,000.00	\$12,454,193.60
8	Jupiter Island and Blowing Rocks Nourishment Project (2)(3)	Town of Jupiter Island	Feasibility, Construction	\$12,062,621.00	\$621,566.00	\$814,990.00	\$13,499,177.00	\$13,075,759.60
9	Longboat Key Beach Nourishment	Town of Longboat Key	Feasibility, Design, Construction	\$600,000.00	\$2,013,132.00	\$4,945,933.00	\$7,559,065.00	\$15,088,891.60
10	Lovers Key Beach Nourishment	Lee County	Construction	\$0.00	\$9,991,120.00	\$1,348,880.00	\$11,340,000.00	\$25,080,011.60
11	Wabasso Beach Restoration Project – Sector 3 (2)(3)	Indian River County	Construction	\$9,750,112.00	\$7,322,869.00	\$7,322,869.00	\$24,395,850.00	\$32,402,880.60

- (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 16 previously constructed projects require monitoring activities for FY 2021/2022. 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 Federal Emergency Management Agency (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 2020/2021.

Beach Restoration and Nourishment Projects (continued)

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
12	Mexico Beach Restoration	Bay County	Construction	\$0.00	\$4,614,750.00	\$4,614,750.00	\$9,229,500.00	\$37,017,630.60
13	South Boca Raton Beach Nourishment (3)	City of Boca Raton	Design, Construction	\$0.00	\$4,121,520.05	\$6,542,179.95	\$10,663,700.00	\$41,139,150.65
14	Singer Island Dune Restoration (3)	Palm Beach County	Construction	\$0.00	\$800,228.87	\$1,431,307.30	\$2,231,536.17	\$41,939,379.52
15	Charlotte County Beach Nourishment (2)	Charlotte County	Design, Construction	\$902,113.00	\$1,101,438.00	\$163,449.00	\$2,167,000.00	\$43,040,817.52
16	St. Andrews State Park Restoration	Bay County	Construction	\$0.00	\$11,040,000.00	\$0.00	\$11,040,000.00	\$54,080,817.52
17	Higgs Beach Nourishment Project (3)	Monroe County	Design, Construction	\$0.00	\$381,058.50	\$381,058.50	\$762,117.00	\$54,461,876.02
18	Deerfield Beach Nourishment Project (2)	City of Deerfield Beach	Design	\$35,900.00	\$44,550.00	\$44,550.00	\$125,000.00	\$54,506,426.02
19	Smathers Beach Nourishment Project (3)	City of Key West	Design, Construction	\$0.00	\$762,491.50	\$762,491.50	\$1,524,983.00	\$55,268,917.52
20	Alligator Point Beach Restoration	Franklin County	Design	\$0.00	\$100,000.00	\$100,000.00	\$200,000.00	\$55,368,917.52
21	Key Biscayne Beach Nourishment Project	Village of Key Biscayne	Design	\$0.00	\$54,876.00	\$65,124.00	\$120,000.00	\$55,423,793.52
22	St. Joseph Peninsula Nourishment Project	Gulf County	Construction	\$0.00	\$6,820,000.00	\$8,680,000.00	\$15,500,000.00	\$62,243,793.52
23	Lee County Shore Protection Project – Estero Island Segment	Town of Ft. Myers Beach	Design	\$0.00	\$150,000.00	\$150,000.00	\$300,000.00	\$62,393,793.52
24	Navarre Beach Nourishment	Santa Rosa County	Design	\$0.00	\$189,758.50	\$189,758.50	\$379,517.00	\$62,583,552.02
	TOTAL			\$48,553,584.00	\$62,583,552.02	\$53,739,729.15	\$164,876,865.17	\$62,583,552.02

- (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 16 previously constructed projects require monitoring activities for FY 2021/2022. 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 2020/2021.

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	Federal	State	Local	Total
Broward County Shore Protection Project – Segment II	\$223,640.00	\$74,208.00	\$108,031.00	\$405,879.00
Central Boca Raton Beach Nourishment	\$0.00	\$29,624.00	\$40,376.00	\$70,000.00
Coral Cove Dune Restoration	\$0.00	\$35,000.00	\$35,000.00	\$70,000.00
Delray Beach Shore Protection Project	\$0.00	\$54,250.00	\$54,250.00	\$108,500.00
Jupiter Island and Blowing Rocks Nourishment Project	\$0.00	\$209,798.00	\$659,649.00	\$869,447.00
Martin County Shore Protection Project – Hutchinson Island	\$0.00	\$206,865.00	\$243,135.00	\$450,000.00
North Boca Raton Shore Protection Project	\$0.00	\$183,400.00	\$183,400.00	\$366,800.00
Panama City Beaches Shore Protection Project	\$0.00	\$122,265.00	\$202,735.00	\$325,000.00
Pensacola Beach Restoration	\$0.00	\$24,500.00	\$24,500.00	\$49,000.00
Phipps Ocean Park Beach Nourishment	\$0.00	\$19,500.00	\$30,500.00	\$50,000.00
Singer Island Dune Restoration	\$0.00	\$39,575.10	\$70,784.90	\$110,360.00
Smathers Beach Nourishment	\$0.00	\$76,000.00	\$76,000.00	\$152,000.00
South Ponte Vedra Dune Restoration Project	\$0.00	\$52,650.00	\$247,350.00	\$300,000.00
South Ponte Vedra/Vilano Beach CSRM Project	\$36,250.00	\$73,915.00	\$139,835.00	\$250,000.00
South St. Lucie County Beach Nourishment	\$0.00	\$10,361.00	\$13,464.00	\$23,825.00
St. Johns County Shore Protection Project	\$96,600.00	\$53,753.00	\$69,647.00	\$220,000.00
TOTAL	\$356,490.00	\$1,265,664.10	\$2,198,656.90	\$3,820,811.00

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. 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 2021/22 Inlet Projects total \$7.76 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 ten projects requesting funds for feasibility studies, design and permitting activities, construction, and first year post-construction monitoring.
- Post-Construction Monitoring: one project 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	\$324,500.00	\$324,500.00	\$649,000.00	\$324,500.00
1	St. Lucie IMP Implementation (2)	Martin County	Construction	\$0.00	\$1,450,000.00	\$1,450,000.00	\$2,900,000.00	\$1,774,500.00
2	South Lake Worth IMP Implementation	Palm Beach County	Design, Construction	\$0.00	\$1,350,000.00	\$500,000.00	\$1,850,000.00	\$3,124,500.00
3	Sebastian IMP Implementation	Sebastian Inlet District	Construction	\$0.00	\$697,250.00	\$697,250.00	\$1,394,500.00	\$3,821,750.00
4	Fort Pierce IMP Implementation	St. Lucie County	Construction	\$0.00	\$675,000.00	\$225,000.00	\$900,000.00	\$4,496,750.00
5	New Pass Inlet Management Study	City of Sarasota	Feasibility	\$0.00	\$74,970.00	\$74,970.00	\$149,940.00	\$4,571,720.00
6	Boca Raton IMP Implementation	City of Boca Raton	Construction	\$0.00	\$76,000.00	\$76,000.00	\$152,000.00	\$4,647,720.00
7	Jupiter IMP Implementation (2)	Jupiter Inlet District	Construction	\$0.00	\$1,518,525.00	\$1,518,525.00	\$3,037,050.00	\$6,166,245.00
8	Ponce de Leon Inlet Sand Bypassing	Volusia County	Design	\$0.00	\$73,500.00	\$73,500.00	\$147,000.00	\$6,239,745.00
9	Estero Barriers Regional Inlet Management Study	Lee County	Feasibility	\$0.00	\$67,806.00	\$67,806.00	\$135,612.00	\$6,307,551.00
10	Blind Pass IMP Implementation	Lee County	Design, Construction	\$0.00	\$1,450,852.00	\$1,450,852.00	\$2,901,704.00	\$7,758,403.00
	TOTAL			\$0.00	\$7,758,403.00	\$6,458,403.00	\$14,216,806.00	\$7,758,403.00

- (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 2021/2022. 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 2020/2021.

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	Federal	State	Local	Total
Lake Worth IMP Implementation	\$0.00	\$324,500.00	\$324,500.00	\$649,000.00
TOTAL	\$0.00	\$324,500.00	\$324,500.00	\$649,000.00

NAME OF PROJECT: Delray Beach Shore Protection Project

LOCAL SPONSOR: City of Delray Beach

LOCAL CONTACT: Cynthia Buisson **PHONE:** 561-243-7196

PROJECT DESCRIPTION:

The Delray Beach Shore Protection Project includes 2.7 miles of shoreline between DEP monuments R175+300 to R188A in Palm Beach County. The federal project was initially constructed in 1973, with nourishments in 1978, 1984, 1992, 2002, 2005 (post storm), 2013, 2014 (post storm), and 2019 (post storm). A federal Flood Control and Coastal Emergencies (FCCE) storm repair project was constructed in 2014 to address damages from Hurricane Sandy. A federal storm recovery project was conducted in FY2019/20 to address storm losses from Hurricane Irma, requiring pre-construction sea turtle monitoring. The sixth periodic nourishment is scheduled for FY2020/21 to fill the design template. Proposed activities include continued post-construction monitoring and preparations for the 6th periodic nourishment project planned for 2021/2022. The request also includes reimbursement for FY2019/20 additional design funds for the sand search and FY2020/21 monitoring. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design (FY2021/22 and reimbursement for FY2019/20), construction (FY2021/22 and reimbursement for FY2019/20), and year 1 monitoring.

Federal	State	Local	Total
\$2,010,964	\$1,188,249.50	\$1,188,249.50	\$4,387,463

*Federal cost share from the USACE and FCCE for Hurricane Irma.

NAME OF PROJECT: Ft. Pierce Shore Protection Project

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Joshua Revord **PHONE:** 772-462-1269

PROJECT DESCRIPTION:

The Ft. Pierce Shore Protection Project consists of the restoration and maintenance of 1.33 miles of shoreline from DEP monuments R34-160’ to R41 in Ft. Pierce, St. Lucie County. Initial restoration of the project occurred in 1971 and the next nourishment event was in 1981. The Project was reauthorized by Congress in 1986 through 2020, and in the 2018 Water Resources Development Act, the project lifespan was extended to 2026. Fourteen shoreline nourishments have been constructed since 1999, with a federal nourishment scheduled for winter 2020 and winter 2022. Construction of a mitigation reef for the Ft. Pierce Inlet Sand Trap was completed in June 2020. The request consists of design to complete a Section 111/Limited Re-Evaluation Report (LRR) and construction of the FY2022/23 federal nourishment with post-construction monitoring. The request also consists of a reimbursement request for the 2020 emergency truck haul project and reimbursement of the 2019 post-Hurricane Dorian Beach Profile Assessment. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design, construction (FY2021/22 and reimbursement for FY2019/20), and year 1 monitoring (FY2021/22 and reimbursement for FY2019/20).

Federal	State	Local	Total
\$7,776,000	\$2,519,379.50	\$2,519,379.50	\$12,814,759

*Federal cost share from the USACE.

NAME OF PROJECT: Mid-Town Beach Nourishment Project

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Rob Weber **PHONE:** 561-838-5440

PROJECT DESCRIPTION:

The Mid-Town Beach Nourishment includes 2.8 miles of shoreline between DEP monuments R-89 and R-102 in Palm Beach County. Restoration was completed in 1995 from R-95 to R-100 and included the construction of 11 groins which were completed in 1996. In 2003, nourishment was completed in an extended shoreline length between R-90.4 and R-101.4. The project was nourished using FEMA funds in 2006 in response to the 2004-2005 hurricane seasons, and again in FY 2010/11 to repair dune damages sustained during Tropical Storm Fay. The project was included in the 2013 Palm Beach Island Beach Management Agreement Pilot Project. The next nourishment was completed in April 2015, extending the project tapers on both ends and reducing the overall project volume density. Construction of an additional groin at R-99 was completed in May 2018. The most recent nourishment was completed in May 2020 and it was the first nourishment performed with federal cost share. The Town signed a Project Partnership Agreement with the U.S. Army Corps of Engineers in 2019 to have the Mid-Town Segment included within the Palm Beach County Federal Shore Protection Project. Staff have determined that 81.9% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design, construction (FY2021/22 and reimbursement for FY2020/21), and year 1 monitoring.

Federal	State	Local	Total
\$11,518,700	\$4,763,017	\$6,868,283	\$23,150,000

*Federal cost share from the USACE.

NAME OF PROJECT: St. Johns County Shore Protection Project

LOCAL SPONSOR: St. Johns County

LOCAL CONTACT: Damon Douglas **PHONE:** 904-209-0794

PROJECT DESCRIPTION:

The project consists of a multi-year federal commitment to design, construct, and monitor beach restoration of the severely eroded beaches of Anastasia State Park and St. Augustine Beach. The scope focuses on the Department-designated critical erosion areas between R137 and R151 at the center of St. Johns County and just south of the St. Augustine Inlet. The third nourishment was constructed in 2018. The proposed activity includes year 3 post-construction monitoring and design for the next nourishment. Staff have determined that 87.12% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$805,000	\$84,942	\$110,058	\$1,000,000

*Federal cost share from the USACE.

NAME OF PROJECT: Lido Key Beach Nourishment Project

LOCAL SPONSOR: City of Sarasota

LOCAL CONTACT: Alexandra Davis-Shaw **PHONE:** 941-954-4181

PROJECT DESCRIPTION:

The Lido Key Beach Nourishment Project consists of approximately 2.2 miles of shoreline between DEP monuments R31 to R44 in Sarasota County. Restoration of the northern 1.2 miles was conducted in 1998. The remainder of the project area was restored in 2000/2001. The first nourishment was conducted in 2003. Hurricane recovery nourishment of the project was completed in 2009 with funding from FEMA. Subsequent hurricane recovery nourishment to repair damages sustained during Tropical Storm Debby was completed in 2015. The county completed a Hurricanes Hermine/Irma storm repair project in 2019 with funding from FEMA. The federal nourishment is underway during FY2020/21. Dune construction is planned for FY2021/22, with a pending USACE federal cost share. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Construction and year 1 monitoring.

Federal	State	Local	Total
\$1,139,500	\$1,119,750	\$1,119,750	\$3,379,000

*Federal cost share from the USACE.

NAME OF PROJECT: Broward County Shore Protection Project – Segment III

LOCAL SPONSOR: Broward County

LOCAL CONTACT: Samantha Danchuk **PHONE:** 954-519-1295

PROJECT DESCRIPTION:

Segment III of the Broward County Shore Protection Project is an 8.1 mile segment located between DEP monuments R86-200' and R128 in Broward County, between the Port Everglades south jetty and the Miami-Dade County line. The project includes Dr. Von D. Mizzell-Eula Johnson State Park, City of Dania Beach, City of Hollywood Beach, and the City of Hallandale Beach. The project was federally authorized in 1965 and was federally nourished for the first time in 1989. Between 1971 and 2020, over 7.4 million cubic yards of sand have been placed along Segment III beaches from 12 nourishment events. The project is in the design and permitting phase for the next nourishment event in 2022/2023. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design (FY2021/22 and reimbursement for FY2018/19, FY2019/20, and FY2020/21).

Federal	State	Local	Total
\$1,596,184	\$567,101.50	\$567,101.50	\$2,730,387

*Federal cost share from the USACE.

NAME OF PROJECT: Bonita Beach Nourishment Project

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Steve Boutelle **PHONE:** 239-533-8128

PROJECT DESCRIPTION:

The Bonita Beach Nourishment Project consists of approximately 0.8 miles of shoreline between DEP monuments R226 to R230 in Lee County. Restoration was completed in 1995 and nourishments were completed in 2004 and 2014. The next nourishment is scheduled for FY2021/22 in coordination with the Lovers Key Beach Nourishment and Estero Island Beach Nourishment projects. Staff have determined that 74% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design (reimbursement for FY2020/21), construction, and year 1 monitoring.

Federal	State	Local	Total
\$0.00	\$946,090	\$1,610,910	\$2,557,000

NAME OF PROJECT: Jupiter Island and Blowing Rocks Nourishment Project

LOCAL SPONSOR: Town of Jupiter Island

LOCAL CONTACT: John Duchock **PHONE:** 772-545-0187

PROJECT DESCRIPTION:

The Jupiter Island Beach Nourishment and Blowing Rocks project consists of restoration and maintenance of approximately 7 miles of shoreline from R73 to R111 in Martin County. The project also consists of a dune-only segment at Blowing Rocks, from 250 feet south of R125 to the county line 400 feet south of R127. The length of this segment is approximately 1,073 feet, providing a total length of 35,225 feet for both projects. The Jupiter Island project has had regular nourishments since 1973, with the most recent nourishment completed in 2019. Blowing Rocks was last nourished in 2017 with FEMA funds to address impacts from Hurricane Irma. The funding request includes reimbursement for feasibility phase work, the 2017 Blowing Rocks nourishment, and 2018/19 dune planting. The request also includes a FY2021/22 request for construction of both the Jupiter Island and Blowing Rocks nourishments to address impacts from Hurricane Dorian. The state cost share for each phase varies, but staff have determined that 37.44% of the non-federal construction, 86.48% of the federal construction, and 48.26% of the post-construction monitoring are eligible for state cost share.

FUNDS WILL BE USED FOR:

Feasibility and construction (FY2021/22 and reimbursement for FY2018/19, FY2019/20, and FY2020/21 for both phases).

Federal	State	Local	Total
\$12,062,621	\$621,566	\$814,990	\$13,499,177

*Federal cost share from FEMA for Hurricane Irma.

NAME OF PROJECT: Longboat Key Beach Nourishment Project

LOCAL SPONSOR: Town of Longboat Key

LOCAL CONTACT: Isaac Brownman **PHONE:** 941-316-1988

PROJECT DESCRIPTION:

The Longboat Key Beach Nourishment (North End Structural Stabilization) project consists of 0.8 miles of shoreline between DEP monuments 100 feet north of R44 to R47.5 in Manatee County. The north end of the island received emergency sand placement in 2011, flood shoal sand trap material in 2014, and the construction of two permeable groins in 2015. Nourishment of the entire island was completed in segments in 2016, including dredge placement on the north end from Longboat Pass. A feasibility study is proposed for the entire Gulf of Mexico shoreline of Longboat Key. Construction of the south end terminal groin tightening and nourishment is planned for FY2021/22. Staff have determined that 53.88% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Feasibility, design, construction, and year 1 monitoring.

Federal	State	Local	Total
\$600,000	\$2,013,132	\$4,945,933	\$7,559,065

*Federal cost share from the USACE.

NAME OF PROJECT: Lovers Key Beach Nourishment Project

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Steve Boutelle **PHONE:** 239-533-8128

PROJECT DESCRIPTION:

The Lovers Key Beach Nourishment Project is located between DEP monuments R214.5 and R220.5, within Lovers Key State Park, in Lee County. The project’s local sponsor, Lee County, works in cooperation with DEP’s Division of Recreation and Parks. The project was restored in October 2004 and consisted of placing approximately 570,240 cy of material from a borrow site in Big Carlos Pass ebb shoal complex along 1.1 miles of beach and dune shoreline. Nourishment was completed in December 2014 in conjunction with the Bonita Beach project to the south. In anticipation of future nourishment events, additional sand sources investigations are underway. The final report is expected Fall 2021 and permit modifications will follow. The next nourishment is scheduled for FY2021/22 in coordination with the Bonita Beach Nourishment and Estero Island Beach Nourishment projects. Lee County is responsible for 11.76% of the State Park property, so staff have determined that the remaining 88.24% of the construction phase will be reimbursed by the state and 100% of the monitoring phase is eligible for state cost share.

FUNDS WILL BE USED FOR:

Construction and year 1 monitoring.

Federal	State	Local	Total
\$0.00	\$9,991,120	\$1,348,880	\$11,340,000

NAME OF PROJECT: Wabasso Beach Restoration Project – Sector 3

LOCAL SPONSOR: Indian River County

LOCAL CONTACT: Eric Charest **PHONE:** 772-226-1569

PROJECT DESCRIPTION:

The Wabasso Beach Restoration Project – Sector 3 consists of beach and dune nourishment along 6.1 miles of shoreline between DEP monuments R20 and R51.3 in Indian River County. The proposed construction event will place beach-compatible sand and plant native dune plants. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Construction and year 1 monitoring (FY2021/22 and reimbursement for FY2020/21 for both phases).

Federal	State	Local	Total
\$9,750,112	\$7,322,869	\$7,322,869	\$24,395,850

*Federal cost share from FEMA for Hurricane Irma.

NAME OF PROJECT: Mexico Beach Restoration Project

LOCAL SPONSOR: Bay County

LOCAL CONTACT: Robert Majka Jr. **PHONE:** 850-248-8140

PROJECT DESCRIPTION:

The Mexico Beach Restoration Project consists of a full restoration of the beach and dune system along 1.14 miles of shoreline between DEP monuments R132 and R137.8 in Bay County. As a response to damages caused by Hurricane Michael in 2018, the full project proposes to place approximately 1.5 million cubic yards of sand, including a 150-foot wide berm with an upland dune system. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Construction and year 1 monitoring.

Federal	State	Local	Total
\$0.00	\$4,614,750	\$4,614,750	\$9,229,500

NAME OF PROJECT: South Boca Raton Beach Nourishment Project

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga **PHONE:** 561-416-3397

PROJECT DESCRIPTION:

The South Boca Raton Beach Nourishment Project is located between DEP monuments R223+269' and R227+946' in Palm Beach County. Restoration was completed in 1985 with additional nourishments in 1996, 2002, 2010, and 2013. An interim project was completed in 2017 along a smaller segment of shoreline. The project is currently in the post-construction monitoring phase from the 2017 nourishment and the design phase for the next nourishment, scheduled for FY2022/23. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design (FY2021/22 and reimbursement for FY2020/21), construction, and year 1 monitoring.

Federal	State	Local	Total
\$0.00	\$4,121,520.05	\$6,542,179.95	\$10,663,700

NAME OF PROJECT: Singer Island Dune Restoration

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Andy Studt **PHONE:** 561-233-2539

PROJECT DESCRIPTION:

The Singer Island Dune Restoration Project consists of the nourishment and maintenance of 1.31 miles of dunes on Singer Island between DEP monuments R60.6 and R66.8 in Palm Beach County. The County has conducted five dune nourishments since 2012 and are planned to continue under the Coastal Construction Control Line permit on a biennial basis. The most recent project was completed in February 2020 to address damages caused by Hurricane Irma and the next dune nourishment is scheduled for FY2021/22. Funds are requested for the reimbursement of permit required post-construction monitoring of the 2017/2018 project and construction of the 2021/22 project. Staff have determined that 71.72% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Construction and year 1 monitoring (FY2021/22 and reimbursement for FY2018/19).

Federal	State	Local	Total
\$0.00	\$800,228.87	\$1,431,307.30	\$2,231,536.17

NAME OF PROJECT: Charlotte County Beach Nourishment Project

LOCAL SPONSOR: Charlotte County

LOCAL CONTACT: Matthew Logan **PHONE:** 941-575-3610

PROJECT DESCRIPTION:

The Charlotte County Beach Nourishment project consists of restoration of 1.6 miles of shoreline between R173 and R183.7 in Sarasota County (North Beach Fill), restoration of 3.9 miles of shoreline between R1 and R21.2 in Charlotte County (Updrift Beach Fill), and nourishment of 2.3 miles of shoreline between DEP monuments R28 and R40.5 in Charlotte County (Knight Island/South Beach Fill). Restoration of the South Beach Fill was completed in 2003 and nourishments were completed in 2006 and then again in 2011 with FEMA funds to repair damages sustained during Tropical Storm Fay. A terminal groin stabilization of the south end of Manasota Key/Stump Pass Beach State Park, and nourishment north of the groin with FEMA funds to repair damages sustained during Tropical Storm Debby, was completed in 2017. Restoration of the Updrift Beach Fill, Sarasota County segment, and South Beach Fill was completed in 2020. Nourishment of the Updrift and North Beach Fill is planned for FY2021/22 with FEMA funds to repair damages sustained during Hurricane Irma. The Updrift Beach Fill is located within Stump Pass Beach State Park and therefore the construction phase for this work is eligible for 100% reimbursement by the state. Staff have determined that 71.30% of the design and year 1 monitoring phase is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design, construction, and year 1 monitoring.

Federal	State	Local	Total
\$902,113	\$1,101,438	\$163,449	\$2,167,000

*Federal cost share from FEMA for Hurricane Irma.

NAME OF PROJECT: St. Andrews State Park Restoration Project

LOCAL SPONSOR: Bay County

LOCAL CONTACT: Lisa Armbruster **PHONE:** 850-510-8004

PROJECT DESCRIPTION:

The St. Andrews State Park Restoration Project consists of the full restoration of 0.92 miles of shoreline between DEP monuments R92 and R97 in Bay County. The project begins at the eastern terminus of the federal Panama City Beaches Shore Protection Project and ends at the St. Andrews Inlet jetty. The requested funds for FY2021/22 are for the shortfall request from FY2020/21 for the construction and year 1 monitoring of the upcoming restoration project, scheduled for 2021. Staff have determined that the project is eligible for 100% reimbursement by the state.

FUNDS WILL BE USED FOR:

Construction and year 1 monitoring.

Federal	State	Local	Total
\$0.00	\$11,040,000	\$0.00	\$11,040,000

NAME OF PROJECT: Higgs Beach Nourishment Project

LOCAL SPONSOR: Monroe County

LOCAL CONTACT: Cary Vick

PHONE: 305-504-3119

PROJECT DESCRIPTION:

The Higgs Beach Nourishment Project is approximately 570 feet of shoreline located at DEP monument V413 in the Clarence Higgs Beach Park on Key West in Monroe County. The nourishment event is scheduled for 2021. Requested funds are for the reimbursement of the design and construction phase as well as year one post construction monitoring. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design (reimbursement for FY2019/20 and FY2018/19), construction (reimbursement for FY2020/21), and year 1 monitoring.

Federal	State	Local	Total
\$0.00	\$381,058.50	\$381,058.50	\$762,117

NAME OF PROJECT: Deerfield Beach Nourishment Project

LOCAL SPONSOR: City of Deerfield Beach

LOCAL CONTACT: Patrick Bardes **PHONE:** 954-480-1426

PROJECT DESCRIPTION:

The Deerfield Beach Nourishment Project is located between DEP monuments R6 and R6+750 in Broward County. The restoration was completed in 1998, and subsequent nourishments were completed in 2009, 2011, and 2015, in conjunction with the Hillsboro Beach Nourishment Project. A feasibility study is underway to evaluate a separate nourishment project for the segment of Deerfield Beach currently designated as critically eroded (R6 to R6.6) and to evaluate whether the critically-eroded designation should be expanded further north. Funds requested for FY2021/22 will be used for design and permitting. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$35,900	\$44,550	\$44,550	\$125,000

*Federal cost share from FEMA for Hurricane Matthew.

NAME OF PROJECT: Smathers Beach Nourishment Project

LOCAL SPONSOR: City of Key West

LOCAL CONTACT: Johnnie Yongue **PHONE:** 305-809-3867

PROJECT DESCRIPTION:

The Smathers Beach Nourishment Project is located at the limits of DEP monument V412 on Key West in Monroe County. Nourishment of Smathers Beach was completed in 2013 and again in 2019 with sand placement along Simonton, Smathers, South and Dog beaches. The 2019 event included placement of sand below the waterline and reconstruction of dunes lost in major storm events including Hurricane Irma. The requested funds are for the reimbursement for the design, construction, and year 1 post-construction monitoring phases. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design (reimbursement for FY2018/19), construction (reimbursement for FY2018/19), and year 1 monitoring (reimbursement for FY2019/20).

Federal	State	Local	Total
\$0.00	\$762,491.50	\$762,491.50	\$1,524,983

NAME OF PROJECT: Alligator Point Beach Restoration Project

LOCAL SPONSOR: Franklin County

LOCAL CONTACT: Michael Moron **PHONE:** 850-653-9783

PROJECT DESCRIPTION:

The Alligator Point Beach Restoration Project consists of the restoration and maintenance of a 1.1 mile segment of shoreline from DEP monuments R210 to R216 in Franklin County. The request includes design and permitting activities for a future restoration project, scheduled for FY2022/23. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$0.00	\$100,000	\$100,000	\$200,000

NAME OF PROJECT: Key Biscayne Beach Nourishment Project

LOCAL SPONSOR: Village of Key Biscayne

LOCAL CONTACT: Jake Ozyman **PHONE:** 305-365-7568

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 project in 1987. In 1990, the project was de-authorized and was subsequently followed by three non-federal nourishments in 2002, 2008, and 2012. The most recent nourishment was completed in May 2017 to address erosion caused by Hurricane Matthew. The next nourishment is scheduled for 2021 to address erosion caused by Hurricane Irma. The requested funds are for the future design and permitting of the next truck haul nourishment event that is scheduled for 2025. Staff have determined that 91.46% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$0.00	\$54,876	\$65,124	\$120,000

NAME OF PROJECT: St. Joseph Peninsula Nourishment Project

LOCAL SPONSOR: Gulf County

LOCAL CONTACT: Michael Hammond **PHONE:** 850-229-6106

PROJECT DESCRIPTION:

The St. Joseph Peninsula Nourishment Project consists of sand placement in advance of the construction of seven submerged breakwaters between R101.5 and R104 and three t-groins between R104 and R105 on St. Joseph Peninsula in Gulf County. The feasibility study has been approved by the Department and the design and permitting funds were appropriated into an agreement from the FY2020/21 request. One t-groin would be constructed along a parcel owned by FDOT and funded at 100% state cost. The remaining structures would be cost shared with 38% state funds. Staff have determined that the project has an average state cost share of 44%.

FUNDS WILL BE USED FOR:

Construction.

Federal	State	Local	Total
\$0.00	\$6,820,000	\$8,680,000	\$15,500,000

NAME OF PROJECT: Lee County Shore Protection Project – Estero Island Segment

LOCAL SPONSOR: Town of Fort Myers Beach

LOCAL CONTACT: Chadd Chustz **PHONE:** 239-765-0202

PROJECT DESCRIPTION:

The Lee County Shore Protection Project – Estero Island Segment consists of the nourishment of 1.3 miles of shoreline between DEP monuments C174A.5 and R181.5 in Lee County. The project was restored in 2011 along the northern segment of the island, including the addition of a terminal groin on the northern end of the beach fill. In 2020 the Town of Fort Myers Beach took over the local sponsorship from Lee County. The design phase is planned for FY2021/22. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$0.00	\$150,000	\$150,000	\$300,000

NAME OF PROJECT: Navarre Beach Nourishment Project

LOCAL SPONSOR: Santa Rosa County

LOCAL CONTACT: Roger Blaylock **PHONE:** 850-981-7100

PROJECT DESCRIPTION:

The Navarre Beach Nourishment Project is located between DEP monuments R192+460' and R213.5+500' in Santa Rosa County. The initial construction of the project was completed in November 2006. A small truck haul project was completed in April 2010 to address spreading losses on the west end of the project area. From April to July 2016, the project was nourished with sand from an offshore borrow area. Proposed activities for FY2021/22 include the design phase to determine storm damages from Hurricane Sally in 2020. Staff have determined that 100% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$0.00	\$189,758.50	\$189,758.50	\$379,517

NAME OF PROJECT: St. Lucie Inlet IMP Implementation

LOCAL SPONSOR: Martin County

LOCAL CONTACT: Kathy Fitzpatrick **PHONE:** 727-288-5429

PROJECT DESCRIPTION:

St. Lucie Inlet is a federally-authorized inlet 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. Since the construction of the sediment impoundment basin in 2002, regular sand bypassing from the sediment impoundment basin has been conducted on a 4-5-year cycle, with the placement 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 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 and Bathtub Beach/Sailfish Point. The FY2021/22 funding request includes additional construction funds for a shortfall from the FY2020/21 funding request and year one post-construction monitoring. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Construction (reimbursement for FY2020/21) and year 1 monitoring.

Federal	State	Local	Total
\$0.00	\$1,450,000	\$1,450,000	\$2,900,000

NAME OF PROJECT: South Lake Worth IMP Implementation

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Andy Studt **PHONE:** 561-233-2539

PROJECT DESCRIPTION:

South Lake Worth Inlet (also known as Boynton Inlet) is located between DEP monuments R151 and R152 in Palm Beach County. The South Lake Worth IMP was adopted in March 1999. A new sediment budget study is being finalized and will be a component of an updated IMP. The interior deposition basin (sand trap) was expanded in 2002 and 2015 and the next dredging project is scheduled for FY2020/21. Proposed activities include ongoing sea turtle monitoring and the installation of a new 30" diameter steel pipe casing under State Road A1A, which is currently in the permitting stage. Staff have determined that the design and construction phases are eligible for a 75% state cost share and the monitoring phase is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Design, construction, and year 1 monitoring.

Federal	State	Local	Total
\$0.00	\$1,350,000	\$500,000	\$1,850,000

NAME OF PROJECT: Sebastian IMP Implementation

LOCAL SPONSOR: Sebastian Inlet District

LOCAL CONTACT: James Gray **PHONE:** 321-724-5175

PROJECT DESCRIPTION:

Sebastian Inlet is located at the boundary between Brevard and Indian River County, between DEP monuments R219 and R1. In 2011, the design, permitting, and construction of the Dredged Material Management Area (DMMA) was authorized by the Department, allowing the District to store more than 30,000 cy of beach compatible sand. As of the 2018/19 inlet dredging project, 55,000 cy of sand is currently in the DMMA. The FY2021/22 funds include the construction costs to place the currently-stored DMMA sand onto the shoreline adjacent to the inlet via a truck haul and also include post-construction biological and physical monitoring. Staff have determined the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Construction and year 1 monitoring.

Federal	State	Local	Total
\$0.00	\$697,250	\$697,250	\$1,394,500

NAME OF PROJECT: Ft. Pierce IMP Implementation

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Joshua Revord **PHONE:** 772-462-1269

PROJECT DESCRIPTION:

The Ft. Pierce Inlet is located between DEP monuments R33 and R34 in St. Lucie County. The inlet is federally authorized and maintained and the IMP was adopted in 1997. A draft feasibility study to evaluate sand bypassing alternatives was completed in 2003. A 2009 design study, using additional data and computer modeling, recommended construction of a sand trap inside the inlet. The design and permitting was completed in 2019 and it recommended that the sand trap be located just inside the north jetty. The FY2021/22 funding request is for additional construction funds for the sand trap. Staff have determined that the project is eligible for a 75% state cost share.

FUNDS WILL BE USED FOR:

Construction.

Federal	State	Local	Total
\$0.00	\$675,000	\$225,000	\$900,000

NAME OF PROJECT: New Pass Inlet Management Study

LOCAL SPONSOR: City of Sarasota

LOCAL CONTACT: Alexandra Davis-Shaw **PHONE:** 941-954-4181

PROJECT DESCRIPTION:

New Pass is located between DEP monuments R29 and R30, separating Longboat Key and Lido Key in Sarasota County. The Pass has been dredged several times with material bypassed to adjacent shorelines to mitigate beach erosion. The inlet was last dredged in 2019 with placement on Lido Key. An Inlet Management Study (IMS) was completed in 1993, but an inlet management plan was not adopted by the Department at that time. The City is proposing a new IMS to update the sediment budget for New Pass and provide a recommendation for the maintenance of the adjacent beaches within its area of inlet influence. Staff have determined the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Feasibility.

Federal	State	Local	Total
\$0	\$74,970	\$74,970	\$149,940

NAME OF PROJECT: Boca Raton IMP Implementation

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga **PHONE:** 561-416-3397

PROJECT DESCRIPTION:

The Boca Raton Inlet is located at DEP monument R223 in Palm Beach County. The Boca Raton IMP was adopted in 1997. The plan established an annual bypassing objective of 71,300 cubic yards of sand. 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 proposed for FY2020/21. The requested funds for FY2021/22 are for maintenance dredging of the inlet and permit-required monitoring. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Construction and year 1 monitoring.

Federal	State	Local	Total
\$0	\$76,000	\$76,000	\$152,000

NAME OF PROJECT: Jupiter IMP Implementation

LOCAL SPONSOR: Jupiter Inlet District

LOCAL CONTACT: Joe Chaison **PHONE:** 561-746-2223

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 IMP was adopted in 1997. The sand bypassing project involves periodic maintenance dredging of approximately 60,000 cubic yards of sand per year from the 6.58 acre sand trap. In March 2017, sand was dredged from the Atlantic Intracoastal Waterway and placed on the Jupiter/Carlin Shore Protection Project. In March 2019, a dredging event placed sand between DEP monuments R13 and R17. The FY2021/22 funds are for the construction and monitoring associated with annual maintenance dredging from the sand trap inside Jupiter Inlet and beach placement. Staff have determined the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Construction and year 1 monitoring (FY2021/22 and reimbursement for FY2018/19, FY2019/20, and FY2020/21 for both phases).

Federal	State	Local	Total
\$0.00	\$1,518,525	\$1,518,525	\$3,037,050

NAME OF PROJECT: Ponce de Leon Inlet Sand Bypassing

LOCAL SPONSOR: Volusia County

LOCAL CONTACT: Jessica Winterwerp **PHONE:** 386-248-8072

PROJECT DESCRIPTION:

Ponce de Leon Inlet is located at DEP monument R148 in Volusia County. The Department is in the process of formally adopting an updated IMP, which includes strategies to bypass sand to the beaches and nearshore areas located north and south of the inlet. The FY2021/22 funding request includes permitting and preliminary engineering design for a north beach placement area in support of the north beach sand bypassing strategy. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Design.

Federal	State	Local	Total
\$0	\$73,500	\$73,500	\$147,000

NAME OF PROJECT: Estero Barriers Regional Inlet Management Study

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Steve Boutelle **PHONE:** 239-533-8128

PROJECT DESCRIPTION:

The Estero Barriers regional Inlet Management Study will develop sediment budgets for three inlets within Lee County: Big Carlos Pass, New Pass, and Big Hickory Pass, which are located between DEP reference monuments R209 and R227. The study will also evaluate potential strategies for regional inlet sediment management which will result in balancing the sediment budget between the inlets and adjacent beaches. Partial funds for this project were provided in FY2019/20. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Feasibility.

Federal	State	Local	Total
\$0.00	\$67,806	\$67,806	\$135,612

NAME OF PROJECT: Blind Pass IMP Implementation

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Steve Boutelle

PHONE: 239-533-8128

PROJECT DESCRIPTION:

Blind Pass is located between DEP monument R109 and R110 in Lee County. The Department adopted the IMP in 2019 and it recommended placing dredge material within the area of influence between DEP monuments R100 through R116 on Sanibel Island. Funds for FY2021/22 are requested for design modification to adjust the permitted beach template to fill between R110.5 and R116 for the upcoming maintenance dredging event. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Design, construction, and year 1 monitoring.

Federal	State	Local	Total
\$0.00	\$1,450,852	\$1,450,852	\$2,901,704