

***Beach Management Funding Assistance Program***  
***Fixed Capital Outlay Local Government Funding Request***  
***Fiscal Year 2020-2021***

**Division of Water Resource Management**  
**Florida Department of Environmental Protection**

**November 2019**



*Florida Department of Environmental Protection  
Beach Management Funding Assistance Program Fiscal Year 2020-2021 Local Government Funding Requests*



*2018 Sand Key Segment – Pinellas County Shore Protection Project.  
Photo credit: John Bishop, Pinellas County*

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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 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 dredging of inlets.

DEP currently designates 419.6 miles of sandy shoreline as critically eroded. Since 1998, the Florida Legislature has dedicated over \$882 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 program. This funding has resulted in the restoration and subsequent maintenance of more than 229.7 miles, or 55 percent, of the state's critically eroded beaches.

The funding requests for Fiscal Year (FY) 2020/21 consist of 46 different projects, which total \$82.1 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 2013. 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., will not take effect until July 1, 2020. Post-construction monitoring, 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 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 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.

### ***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 beach projects for FY 2020/21 total \$71.3 million. Projects are presented in the following order:

- Beach Restoration and Nourishment Projects: a total of 30 projects requesting funds for feasibility studies, design and permitting, construction, and first year post-construction monitoring (three of these projects are also listed on the post-construction monitoring list below).
- Post-Construction Monitoring: a combined list of eight projects requesting funds for state and federal permit-required monitoring.

Projects have been evaluated by DEP and ranked in priority order in accordance with Rule 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 |
|-----------|------------------------------------------------------------------|-------------------------------------|-----------------------------------|--------------|---------------------|--------------|--------------|------------------------|
|           | <b>Post-Construction Monitoring (1)</b>                          | Various                             | Monitoring                        | \$0          | <b>\$685,853</b>    | \$962,747    | \$1,648,600  | <b>\$685,853</b>       |
| <b>1</b>  | <b>Pinellas County Shore Protection Project (Pass-a-Grille)</b>  | Pinellas County                     | Construction                      | \$3,135,000  | <b>\$940,500</b>    | \$940,500    | \$5,016,000  | <b>\$1,626,353</b>     |
| <b>2</b>  | <b>Charlotte County Beach Nourishment (2) (3)</b>                | Charlotte County                    | Design, Construction              | \$224,421    | <b>\$548,380</b>    | \$953,620    | \$1,726,421  | <b>\$2,174,733</b>     |
| <b>3</b>  | <b>St. Joseph Peninsula Beach Nourishment</b>                    | Gulf County                         | Design                            | \$0          | <b>\$95,000</b>     | \$155,000    | \$250,000    | <b>\$2,269,733</b>     |
| <b>4</b>  | <b>Jupiter/Carlin Shore Protection Project</b>                   | Palm Beach County                   | Construction                      | \$0          | <b>\$130,000</b>    | \$130,000    | \$260,000    | <b>\$2,399,733</b>     |
| <b>5</b>  | <b>Panama City Beaches Shore Protection Project</b>              | Bay County                          | Construction                      | \$26,365,491 | <b>\$3,139,957</b>  | \$5,206,552  | \$34,712,000 | <b>\$5,539,690</b>     |
| <b>6</b>  | <b>Anna Maria Island Beach Nourishment (Non-federal) (2) (3)</b> | Manatee County                      | Construction                      | \$2,116,319  | <b>\$3,527,550</b>  | \$3,527,550  | \$9,171,419  | <b>\$9,067,240</b>     |
| <b>7</b>  | <b>South Ponte Vedra and Vilano Beach Restoration</b>            | St. Johns County                    | Design, Construction              | \$6,084,000  | <b>\$7,077,834</b>  | \$13,390,166 | \$26,552,000 | <b>\$16,145,074</b>    |
| <b>8</b>  | <b>Delray Beach Shore Protection Project</b>                     | City of Delray Beach                | Construction                      | \$8,286,184  | <b>\$3,211,945</b>  | \$3,211,945  | \$14,710,074 | <b>\$19,357,019</b>    |
| <b>9</b>  | <b>Longboat Key Beach Nourishment (2)</b>                        | Town of Longboat Key                | Feasibility, Design, Construction | \$1,004,052  | <b>\$10,979,271</b> | \$29,261,677 | \$41,245,000 | <b>\$30,336,290</b>    |
| <b>10</b> | <b>Mid-Town Beach Nourishment (2) (3)</b>                        | Town of Palm Beach                  | Construction                      | \$10,350,000 | <b>\$4,378,456</b>  | \$6,313,744  | \$21,042,200 | <b>\$34,714,746</b>    |
| <b>11</b> | <b>Ocean Ridge Beach Nourishment Project</b>                     | Palm Beach County                   | Construction                      | \$0          | <b>\$100,000</b>    | \$100,000    | \$200,000    | <b>\$34,814,746</b>    |
| <b>12</b> | <b>Captiva Island Beach Nourishment (2)</b>                      | Captiva Erosion Prevention District | Design, Construction              | \$847,384    | <b>\$6,054,450</b>  | \$22,680,482 | \$29,582,316 | <b>\$40,869,196</b>    |

- (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 eight previously constructed projects require monitoring activities for FY 2020/21. A complete monitoring project listing can be found on Page 7. 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 2019/20.



**Beach Restoration and Nourishment Projects (continued)**

| Rank | Project                                                     | Local Sponsor           | Project Phase        | Federal     | State              | Local       | Total        | Cumulative State Total |
|------|-------------------------------------------------------------|-------------------------|----------------------|-------------|--------------------|-------------|--------------|------------------------|
| 13   | <b>North Boca Raton Shore Protection Project</b>            | City of Boca Raton      | Design               | \$391,200   | <b>\$144,400</b>   | \$144,400   | \$680,000    | <b>\$41,013,596</b>    |
| 14   | <b>Broward County Shore Protection Project - Segment II</b> | Broward County          | Construction         | \$3,797,118 | <b>\$1,259,960</b> | \$1,834,243 | \$6,891,321  | <b>\$42,273,556</b>    |
| 15   | <b>Martin County Shore Protection Project</b>               | Martin County           | Design               | \$0         | <b>\$114,925</b>   | \$135,075   | \$250,000    | <b>\$42,388,481</b>    |
| 16   | <b>Collier County Beach Nourishment</b>                     | Collier County          | Construction         | \$0         | <b>\$5,888,065</b> | \$8,005,435 | \$13,893,500 | <b>\$48,276,546</b>    |
| 17   | <b>Phipps Ocean Park Beach Nourishment (2) (3)</b>          | Town of Palm Beach      | Construction         | \$7,500,000 | <b>\$975,000</b>   | \$1,525,000 | \$10,000,000 | <b>\$49,251,546</b>    |
| 18   | <b>Jupiter Island Beach Nourishment (3)</b>                 | Town of Jupiter Island  | Design, Construction | \$0         | <b>\$111,487</b>   | \$372,396   | \$483,883    | <b>\$49,363,033</b>    |
| 19   | <b>Deerfield Beach Feasibility Study (3)</b>                | City of Deerfield Beach | Feasibility          | \$0         | <b>\$100,000</b>   | \$100,000   | \$200,000    | <b>\$49,463,033</b>    |
| 20   | <b>South Marco Island Beach Nourishment (3)</b>             | Collier County          | Design, Construction | \$0         | <b>\$697,395</b>   | \$1,887,464 | \$2,584,859  | <b>\$50,160,428</b>    |
| 21   | <b>Bathtub Beach/Sailfish Point Beach Nourishment</b>       | Martin County           | Design, Construction | \$0         | <b>\$1,202,175</b> | \$2,047,825 | \$3,250,000  | <b>\$51,362,603</b>    |
| 22   | <b>Central Boca Raton Beach Nourishment</b>                 | City of Boca Raton      | Design               | \$0         | <b>\$16,928</b>    | \$23,072    | \$40,000     | <b>\$51,379,531</b>    |
| 23   | <b>Vero Beach Restoration Project (2) (3)</b>               | Indian River County     | Construction         | \$111,876   | <b>\$326,329</b>   | \$373,197   | \$811,401    | <b>\$51,705,860</b>    |
| 24   | <b>South Boca Raton Beach Nourishment</b>                   | City of Boca Raton      | Design               | \$0         | <b>\$13,527</b>    | \$21,473    | \$35,000     | <b>\$51,719,387</b>    |
| 25   | <b>Key Biscayne Beach Nourishment (2)</b>                   | Village of Key Biscayne | Construction         | \$258,273   | <b>\$39,369</b>    | \$46,721    | \$344,363    | <b>\$51,758,756</b>    |

- (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 eight previously constructed projects require monitoring activities for FY 2020/21. A complete monitoring project listing can be found on Page 7. 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 2019/20.

**Beach Restoration and Nourishment Projects (continued)**

| Rank | Project                                                 | Local Sponsor     | Project Phase        | Federal             | State               | Local                | Total                | Cumulative State Total |
|------|---------------------------------------------------------|-------------------|----------------------|---------------------|---------------------|----------------------|----------------------|------------------------|
| 26   | <b>South Jupiter Beach Feasibility Study</b>            | Palm Beach County | Feasibility, Design  | \$0                 | <b>\$133,292</b>    | \$133,293            | \$266,585            | <b>\$51,892,048</b>    |
| 27   | <b>St. Andrews State Park Beach Restoration Project</b> | Bay County        | Design, Construction | \$0                 | <b>\$14,540,000</b> | \$200,000            | \$14,740,000         | <b>\$66,432,048</b>    |
| 28   | <b>Mexico Beach Restoration Project</b>                 | Bay County        | Construction         | \$0                 | <b>\$4,614,750</b>  | \$4,614,750          | \$9,229,500          | <b>\$71,046,798</b>    |
| 29   | <b>South Ponte Vedra Dune Restoration</b>               | St. Johns County  | Design               | \$0                 | <b>\$109,080</b>    | \$490,920            | \$600,000            | <b>\$71,155,878</b>    |
| 30   | <b>Alligator Point Beach Restoration Project</b>        | Franklin County   | Design               | \$0                 | <b>\$100,000</b>    | \$100,000            | \$200,000            | <b>\$71,255,878</b>    |
|      | <b>TOTAL</b>                                            |                   |                      | <b>\$70,471,318</b> | <b>\$71,255,878</b> | <b>\$108,889,247</b> | <b>\$250,616,442</b> |                        |

- (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 eight previously constructed projects require monitoring activities for FY 2020/21. A complete monitoring project listing can be found on Page 7. 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 2019/20.

## ***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 monitoring and beyond. First year monitoring required by permit is included in the construction funds on the Beach Projects list.

| <b>Project</b>                                   | <b>Federal</b> | <b>State</b>     | <b>Local</b>     | <b>Total</b>       |
|--------------------------------------------------|----------------|------------------|------------------|--------------------|
| <b>St. Johns County Shore Protection Project</b> | \$0            | <b>\$65,340</b>  | \$84,660         | \$150,000          |
| <b>Ft. Pierce Shore Protection Project</b>       | \$0            | <b>\$140,000</b> | \$140,000        | \$280,000          |
| <b>St. Joseph Peninsula Beach Nourishment</b>    | \$0            | <b>\$66,500</b>  | \$108,500        | \$175,000          |
| <b>Pensacola Beach Nourishment</b>               | \$0            | <b>\$82,000</b>  | \$82,000         | \$164,000          |
| <b>Martin County Shore Protection Project</b>    | \$0            | <b>\$206,865</b> | \$243,135        | \$450,000          |
| <b>Jupiter Island Beach Nourishment</b>          | \$0            | <b>\$62,116</b>  | \$207,484        | \$269,600          |
| <b>Navarre Beach Nourishment Project</b>         | \$0            | <b>\$20,000</b>  | \$20,000         | \$40,000           |
| <b>Singer Island Dune Nourishment</b>            | \$0            | <b>\$43,032</b>  | \$76,968         | \$120,000          |
| <b>TOTAL</b>                                     | <b>\$0</b>     | <b>\$685,853</b> | <b>\$962,747</b> | <b>\$1,648,600</b> |

## ***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 new ranking criteria specific to inlet projects. These new criteria were used in ranking projects for FY 2020/21. Post-construction monitoring is consolidated into a single category, pursuant to Rule 62B-36.003, F.A.C.

The funding requirements provided in section 161.143, F.S., also include provisions that the department 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.” Changes to the ranking procedure outlined in Chapter 62B-36, F.A.C., will not take effect until July 1, 2020.

For FY 2020/21, the funding requests for Inlet Sand Bypassing/Inlet Management Plan Implementation Projects (Inlet Projects) total \$10.8 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 eight projects requesting funds for feasibility studies, design and permitting activities, construction, and first year post-construction monitoring (three of these projects are also listed on the post-construction monitoring list).
- Post-Construction Monitoring – a combined list of six projects requesting funds for state and federal permit–required monitoring.

***Inlet Sand Bypassing/Inlet Management Plan Implementation Projects***

| Rank | Project Name                                     | Local Sponsor            | Project Phase        | Federal            | State               | Local               | Total               | Cumulative State Total |
|------|--------------------------------------------------|--------------------------|----------------------|--------------------|---------------------|---------------------|---------------------|------------------------|
|      | <b>Post Construction Monitoring (1)</b>          | Various                  | Monitoring           | \$0                | <b>\$519,100</b>    | \$519,100           | \$1,038,200         | <b>\$519,100</b>       |
| 1    | <b>St. Lucie IMP Implementation</b>              | Martin County            | Design, Construction | \$0                | <b>\$7,203,772</b>  | \$7,203,771         | \$14,407,543        | <b>\$7,722,872</b>     |
| 2    | <b>South Lake Worth IMP Implementation</b>       | Palm Beach County        | Design, Construction | \$0                | <b>\$850,000</b>    | \$850,000           | \$1,700,000         | <b>\$8,572,872</b>     |
| 3    | <b>Port Everglades IMP Implementation</b>        | Broward County           | Construction         | \$7,500,000        | <b>\$355,000</b>    | \$355,000           | \$8,210,000         | <b>\$8,927,872</b>     |
| 4    | <b>Blind Pass IMP Study</b>                      | Lee County               | Design               | \$0                | <b>\$170,000</b>    | \$170,000           | \$340,000           | <b>\$9,097,872</b>     |
| 5    | <b>Wiggins Pass IMP Implementation</b>           | Collier County           | Design, Construction | \$0                | <b>\$162,500</b>    | \$162,500           | \$325,000           | <b>\$9,260,372</b>     |
| 6    | <b>Sebastian Inlet IMP Implementation</b>        | Sebastian Inlet District | Construction         | \$0                | <b>\$332,500</b>    | \$332,500           | \$665,000           | <b>\$9,592,872</b>     |
| 7    | <b>Boca Raton IMP Implementation</b>             | City of Boca Raton       | Design, Construction | \$0                | <b>\$753,600</b>    | \$251,200           | \$1,004,800         | <b>\$10,346,472</b>    |
| 8    | <b>Mexico Beach Inlet Sand Bypassing Project</b> | City of Mexico Beach     | Design, Construction | \$0                | <b>\$535,875</b>    | \$178,625           | \$714,500           | <b>\$10,882,347</b>    |
|      | <b>TOTAL</b>                                     |                          |                      | <b>\$7,500,000</b> | <b>\$10,882,347</b> | <b>\$10,022,696</b> | <b>\$28,405,043</b> |                        |

- (1) Biological and physical monitoring required by state and federal permits has been consolidated on the Post-Construction Monitoring list. A total of six previously constructed projects require monitoring activities for FY 2020/21. 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 2019/20.

***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.

| <b>Project</b>                             | <b>Federal</b> | <b>State</b>     | <b>Local</b>     | <b>Total</b>       |
|--------------------------------------------|----------------|------------------|------------------|--------------------|
| <b>Port Canaveral IMP Implementation</b>   | \$0            | <b>\$45,500</b>  | \$45,500         | \$91,000           |
| <b>Lake Worth IMP Implementation</b>       | \$0            | <b>\$309,500</b> | \$309,500        | \$619,000          |
| <b>South Lake Worth IMP Implementation</b> | \$0            | <b>\$75,000</b>  | \$75,000         | \$150,000          |
| <b>Wiggins Pass IMP Implementation</b>     | \$0            | <b>\$50,000</b>  | \$50,000         | \$100,000          |
| <b>Ft. Pierce IMP Implementation</b>       | \$0            | <b>\$27,500</b>  | \$27,500         | \$55,000           |
| <b>Boca Raton IMP Implementation</b>       | \$0            | <b>\$11,600</b>  | \$11,600         | \$23,200           |
| <b>TOTAL</b>                               | <b>\$0</b>     | <b>\$519,100</b> | <b>\$519,100</b> | <b>\$1,038,200</b> |

**NAME OF PROJECT:** Pinellas County Shore Protection Project (Pass-a-Grille)

**LOCAL SPONSOR:** Pinellas County

**LOCAL CONTACT:** John Bishop **PHONE:** 727-464-8766

**PROJECT DESCRIPTION:**

The Pass-a-Grille segment of the Pinellas County Shore Protection Project includes one mile of shoreline between DEP monuments R160 – R165 in Pinellas County. Pass-A-Grille Beach is located at the southern end of the Long Key Segment of the federal Pinellas County Shore Protection Project. Pass-A-Grille was restored in 1986 and a segment of approximately 5,000 feet of beach that was impacted by Hurricanes Frances and Jeanne was nourished using sand from Pass-a-Grille Channel in November 2004. The USACE completed a nourishment in 2014 with sand from Egmont Channel Shoal to repair damages sustained during Tropical Storm Debby in 2012. The next nourishment is scheduled for FY 2020/21. Staff has determined that 100% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$3,135,000    | \$940,500    | \$940,500    | \$5,016,000  |



**NAME OF PROJECT:** Charlotte County Beach Nourishment

**LOCAL SPONSOR:** Charlotte County

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

**PROJECT DESCRIPTION:**

The Charlotte County Beach Nourishment project consists of nourishment of 2.3 miles of shoreline between DEP monuments R28 – R40.5 and restoration of 3.9 miles of shoreline between R1 – R21.2 in Charlotte County; and restoration of 1.6 miles of shoreline between R173 – R183.7 in Sarasota County. Restoration of the southern segment in Charlotte County was completed in 2003, and the first nourishment was completed in 2006. A second nourishment was completed 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 was completed with FEMA funds in 2017 to repair damages sustained during Tropical Storm Debby. A feasibility analysis for the north segment of Charlotte County (R1 – R9) and the Sarasota County segment is complete. The design phase is proceeding through permit modification. Restoration of the northern segment and additional Sarasota County segment as well as nourishment of the Knight Island segment (R28 – R40.5) is scheduled for FY 2019/20. Staff has determined that 73.02% of the joint project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design and construction (reimbursement).

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$224,421      | \$548,380    | \$953,620    | \$1,726,421  |

**NAME OF PROJECT:** St. Joseph Peninsula Beach Nourishment

**LOCAL SPONSOR:** Gulf County

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

**PROJECT DESCRIPTION:**

The St. Joseph Peninsula Beach Nourishment Project includes 7.3 miles of critically-eroded shoreline between DEP monuments R67 – R105.5 in Gulf County. The project was restored in 2008 with beach compatible sand obtained from offshore borrow sites. A nourishment project is scheduled for 2019 and erosion control structures are scheduled to be constructed in 2021. Staff has determined that 76% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$95,000     | \$155,000    | \$250,000    |

**NAME OF PROJECT:** Jupiter/Carlin Shore Protection Project

**LOCAL SPONSOR:** Palm Beach County

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

**PROJECT DESCRIPTION:**

The Jupiter/Carlin Shore Protection Project includes approximately 1.1 miles of shoreline between DEP monuments R13 – R19 in Palm Beach County. The federally-authorized project was restored in 1995 and nourished in 2002. Multiple dune nourishments were completed between 2002 and 2013. The project receives routine bypass material from Jupiter Inlet. A federal storm repair project was completed by the USACE in April 2015, and this project was combined with sand bypassing from the Jupiter Inlet District (JID) and a truck haul project from Palm Beach County. Sand was placed within the project by the JID each year from 2016 to 2018. A federal storm recovery project is scheduled for FY 2019/20 to restore storm losses incurred from Hurricane Irma. The third nourishment is proposed for FY 2020/21 to fill the entire design template. Funds are being requested for permit-required post-construction monitoring of the FY 2019/20 federal project. Staff has determined that 100% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

First year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$130,000    | \$130,000    | \$260,000    |

**NAME OF PROJECT:** Panama City Beaches Shore Protection Project

**LOCAL SPONSOR:** Bay County

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

**PROJECT DESCRIPTION:**

The Panama City Beaches Shore Protection Project includes 18 miles of shoreline between the west end of the Pinnacle Port development and the west end of St. Andrews State Recreation Area, from DEP monuments R1 – R91 in Bay County. Initial construction was completed in April 1999, with over nine million cubic yards of sand placed along the entire project length. A federal nourishment by the USACE was completed in 2006 following impacts from Hurricane Ivan. A full-scale dune vegetation project was constructed in 2010, a second nourishment was completed in 2011, and an interim nourishment project to address four erosional hotspots was completed in 2017. The requested funds will be used for the upcoming 2020 USACE repair project to replace losses from Hurricane Michael in 2018 and bring the project back to the full design template. Staff has determined that 75.24% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$26,365,491   | \$3,139,957  | \$5,206,552  | \$34,712,000 |

**NAME OF PROJECT:** Anna Maria Island Beach Nourishment (Non-federal)

**LOCAL SPONSOR:** Manatee County

**LOCAL CONTACT:** Charlie Hunsicker                      **PHONE:** 941-737-4765

**PROJECT DESCRIPTION:**

The Anna Maria Island Beach Nourishment Project consists of nourishment of approximately one mile of shoreline between DEP monuments R36 – R41.3 in Manatee County. Restoration of the Coquina Beach segment (R36 – R41.3) and the City of Anna Maria segment (R7 – R10) was completed in 2011. Nourishment of the Coquina Segment R36 – R41.3 was completed in 2014 and reconstruction of the Cortez Groins was completed in 2016. The county is planning a Hurricanes Hermine and Irma storm repair project and nourishment in combination with the federal Anna Maria Island Shore Protection Project in FY 2019/20. Staff has determined that 100% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (reimbursement) and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$2,116,319    | \$3,527,550  | \$3,527,550  | \$9,171,419  |

**NAME OF PROJECT:** South Ponte Vedra and Vilano Beach Restoration

**LOCAL SPONSOR:** St. Johns County

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

**PROJECT DESCRIPTION:**

The project consists of the federal restoration and maintenance of approximately 2.6 miles of shoreline from DEP monuments R103.5 – R116.5 in St. Johns County. The project includes placement of approximately 1.31 million cubic yards of sand to complete the beach and dune restoration project and is scheduled for FY 2020/21. A new eligibility determination has been proposed for cost sharing. Staff has completed a preliminary estimation and determined that 69.16% of the project is eligible for state cost sharing (subject to verification).

**FUNDS WILL BE USED FOR:**

Design, construction, and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$6,084,000    | \$7,077,834  | \$13,390,166 | \$26,552,000 |

**NAME OF PROJECT:** Delray Beach Shore Protection Project

**LOCAL SPONSOR:** City of Delray Beach

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

**PROJECT DESCRIPTION:**

The Delray Beach Shore Protection Project includes 2.7 miles of shoreline between DEP monuments R175+300 – R188A in Palm Beach County. The federal project was initially constructed in 1973, with nourishments in 1978, 1984, 1992, 2002, 2005, and 2013. A federal flood control and coastal emergency storm repair project was constructed in 2014 to address damages from Hurricane Sandy. A federal storm recovery project is planned for FY 2019/20 to address storm losses from Hurricane Irma, requiring pre-construction sea turtle monitoring. The sixth periodic nourishment is scheduled for FY 2020/21 to fill the design template. Staff has determined that 100% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$8,286,184    | \$3,211,945  | \$3,211,945  | \$14,710,074 |

**NAME OF PROJECT:** Longboat Key Beach Nourishment

**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 mile of shoreline between 100 feet north of DEP monument R44 – R47.5 in Manatee County. The northern 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 northern end from Longboat Pass. A feasibility study is proposed for the Sarasota County portion of Longboat Key and will be cost shared by the USACE. Construction of the North End stabilization groins and large-scale nourishment are planned for FY 2020/21, with FEMA funds, to repair damages sustained during Hurricane Hermine. Staff has determined that 53.88% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Feasibility, design, construction, and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$1,004,052    | \$10,979,271 | \$29,261,677 | \$41,245,000 |



**NAME OF PROJECT:** Mid-Town Beach Nourishment

**LOCAL SPONSOR:** Town of Palm Beach

**LOCAL CONTACT:** Robert Weber

**PHONE:** 561-838-5440

**PROJECT DESCRIPTION:**

The Mid-Town Beach Nourishment includes 2.8 miles of shoreline between DEP monuments R89 – R102 in Palm Beach County. Restoration was completed in 1995 from R95 – R100 and included construction of eleven groins, which were completed in 1996. In 2003, nourishment was completed for an extended shoreline length between R90.4 – R101.4. The project was nourished using FEMA funds in 2006 in response to the 2004 and 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. A nourishment was completed in April 2015 to extend the project tapers on both ends, which reduced the overall project volume density. Construction of an additional groin at R99 was completed in May 2018. The next nourishment is scheduled for FY 2019/20 and includes federal cost sharing from FEMA to address damages from Hurricanes Matthew and Irma. Staff has determined that 81.90% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (reimbursement).

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$10,350,000   | \$4,378,456  | \$6,313,744  | \$21,042,200 |

**NAME OF PROJECT:** Ocean Ridge Shore Protection Project

**LOCAL SPONSOR:** Palm Beach County

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

**PROJECT DESCRIPTION:**

The Ocean Ridge Shore Protection Project extends along 1.4 miles of shoreline between DEP monuments R152 – R159 in Palm Beach County. Restoration of the federally-authorized project was completed in 1998 and included the construction of eight T-head groins and two acres of mitigation reef. Additional hardbottom impacts were mitigated in 2010, with the construction of 2.25 acres of artificial reef. The first nourishment was completed in 2005, and a federal storm repair project was completed in 2014 to replace losses sustained during Hurricane Sandy. Bypass material from the South Lake Worth Inlet sand transfer plant and maintenance disposal material from the interior deposition basin are placed in the project area. A federal storm repair project is scheduled for FY 2019/20 to restore storm losses sustained from Hurricane Irma. Staff has determined that 100% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

First year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$100,000    | \$100,000    | \$200,000    |

**NAME OF PROJECT:** Captiva Island Beach Nourishment

**LOCAL SPONSOR:** Captiva Erosion Prevention District

**LOCAL CONTACT:** Carolyn Weaver                      **PHONE:** 239-472-2472

**PROJECT DESCRIPTION:**

The Captiva Island Beach Nourishment project consists of five miles of shoreline between DEP monuments R83 – R109 in Lee County. The Captiva Island Restoration was constructed in 1981 as a part of the federal Lee County Shore Protection Project and nourished in 1989. Subsequent nourishments in 1996 and 2006 were built in conjunction with sand placement on Sanibel Island, as a local option. In 2014, the project nourished both sections as a non-federal project. A sand search and project design are proposed for a Captiva Island nourishment scheduled for FY 2020/21, in combination with FEMA funds to repair damages sustained during Hurricane Irma. Staff has determined that 42.13% of the project is eligible for cost-sharing.

**FUNDS WILL BE USED FOR:**

Design, construction, and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$847,384      | \$6,054,450  | \$22,680,482 | \$29,582,316 |

**NAME OF PROJECT:** North Boca Raton Shore Protection Project

**LOCAL SPONSOR:** City of Boca Raton

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

**PROJECT DESCRIPTION:**

The North Boca Raton Shore Protection Project includes 1.5 miles of shoreline between DEP monuments R205 – R212 in Palm Beach County. Restoration was completed in 1988 with nourishments in 1998 and 2010. A federal storm repair project was completed in 2014 to address impacts from Hurricane Sandy. The project is currently in the post-construction monitoring phase for the 2014 nourishment and design phase (General Re-evaluation Report/Limited Re-evaluation Report and permitting) for the next nourishment, scheduled for FY 2024/25. Staff has determined that 100% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$391,200      | \$144,400    | \$144,400    | \$680,000    |

**NAME OF PROJECT:** Broward County Shore Protection Project – Segment II

**LOCAL SPONSOR:** Broward County Board of County Commissioners

**LOCAL CONTACT:** Nicole Sharp **PHONE:** 954-519-1231

**PROJECT DESCRIPTION:**

Segment II of the federal Broward County Shore Protection Project includes the nourishment of critically-eroded shoreline along 10 miles of the Atlantic coast between the Hillsboro Inlet and Port Everglades in Broward County. The project was initially restored in 1970 from DEP monuments R32 – R49 and then was expanded from R25 – R53 during a nourishment in 1983. Storm damage repair projects were conducted in 2012 and 2014. The most recent nourishment was completed in 2016, which placed upland sand along 4.9 miles of shoreline from R36 – R41.3 and R52 – R72. A 6.8-acre artificial reef is planned for construction in FY 2020/21 as mitigation for direct impacts to nearshore hardbottom. Permit-required post-construction monitoring is ongoing. Staff has determined that 81.44% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$3,797,118    | \$1,259,960* | \$1,834,243  | \$6,891,321  |

\*Total construction cost of the mitigation reef is \$14,905,985. Partial funding (\$1,473,571 state share) is already available in a DEP agreement.

**NAME OF PROJECT:** Martin County Shore Protection Project

**LOCAL SPONSOR:** Martin County

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

**PROJECT DESCRIPTION:**

The Martin County Shore Protection Project includes 4.2 miles of shoreline between DEP monuments R1 – R25.6 in Martin County. The federal project was initially constructed in 1995-96. Nourishment of a portion of the project was conducted in 2001 and 2002. Full nourishment projects were completed in 2005 and 2015. The project shoreline suffered storm losses from Hurricanes Matthew and Irma. The USACE provided FCCE funds to fully reconstruct the federal project, and the project was completed in April 2018. A design template analysis for improved resiliency is scheduled for FY 2020/21. Staff has determined that 91.94% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$114,925    | \$135,075    | \$250,000    |

**NAME OF PROJECT:** Collier County Beach Nourishment

**LOCAL SPONSOR:** Collier County

**LOCAL CONTACT:** Gary McAlpin **PHONE:** 239-252-5342

**PROJECT DESCRIPTION:**

Collier County Beach Nourishment project include three segments along 7.7 miles of shoreline: Vanderbilt Beach, approximately 1.5 miles between DEP monuments R22 – R31; Park Shore, approximately 2.5 miles between R42 – R54.4; and Naples, approximately 3.7 miles between R58 – R79. Restoration was completed in 1996 and the first nourishment was completed in 2006. A second nourishment was completed in early 2014 to address storm losses from Tropical Storm Fay (2008), with additional material placed in late 2014 in the Naples segment to address storm losses from Tropical Storm Debby (2012). Both events received funding from FEMA. In late 2016, nourishment was completed to repair hotspots in Park Shore and Vanderbilt Beach. The FY 2019/20 project replaces storm losses from Hurricane Irma and is limited to the following sections: Vanderbilt Beach (R22 – R30), Park Shore (R42 – R54), and Naples (R58A – R79). Construction for the FY 2020/21 project will be completed in the same area of Vanderbilt Beach and Naples. Staff has determined that 85.94% of Vanderbilt Beach, 68.70% of Park Shore, and 95.02% of Naples are eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$5,888,065  | \$8,005,435  | \$13,893,500 |

**NAME OF PROJECT:** Phipps Ocean Park Beach Nourishment

**LOCAL SPONSOR:** Town of Palm Beach

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

**PROJECT DESCRIPTION:**

The Phipps Ocean Park Beach Nourishment includes 2.1 miles of shoreline located between DEP monuments R116+390 – R127+87 in Palm Beach County. In 2004, a 3.1-acre mitigation reef was constructed to compensate 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. An interim dune nourishment was completed in 2015 in coordination with the Mid-Town Beach Nourishment project. A full nourishment was completed in April 2016, with an expansion of the project limit. The next nourishment is scheduled for FY 2019/20. The federal cost share is from FEMA to replace losses from Hurricanes Matthew and Irma. Staff has determined that 78% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (reimbursement).

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$7,500,000    | \$975,000    | \$1,525,000  | \$10,000,000 |



**NAME OF PROJECT:** Jupiter Island Beach Nourishment

**LOCAL SPONSOR:** Town of Jupiter Island

**LOCAL CONTACT:** John Duchock **PHONE:** 772-545-0100

**PROJECT DESCRIPTION:**

The Jupiter Island Beach Nourishment Project includes 6.47 miles of shoreline between DEP monuments R73 – R115 in Martin County. Restoration was completed in 1974 and nourishments have been completed on a 3.5-year interval. The most recent nourishment was completed in May 2019. Staff has determined that 46.09% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design (reimbursement) and construction (reimbursement).

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$111,487    | \$372,396    | \$483,883    |

**NAME OF PROJECT:** Deerfield Beach Feasibility Study

**LOCAL SPONSOR:** City of Deerfield Beach

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

**PROJECT DESCRIPTION:**

The Deerfield Beach project is located between DEP monuments R6 – 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. A feasibility study is underway to evaluate a separate nourishment project for the segment of Deerfield Beach currently designated as critically eroded (R6 – R6.6) and to evaluate whether the critically eroded designation should be expanded further north. Feasibility phase analysis is eligible for 50% state cost sharing.

**FUNDS WILL BE USED FOR:**

Feasibility (reimbursement).

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$100,000    | \$100,000    | \$200,000    |

**NAME OF PROJECT:** South Marco Island Beach Nourishment

**LOCAL SPONSOR:** Collier County

**LOCAL CONTACT:** Gary McAlpin **PHONE:** 239-252-5342

**PROJECT DESCRIPTION:**

The project consists of nourishment of 1.1 miles of shoreline between DEP monuments R143 – R148+600 (G4) in Collier County. The South Marco Island Beach Restoration was completed in 1997, with nourishment following in 2007. A second nourishment was completed in 2013, including a storm recovery component partially funded by FEMA to address damages sustained during Tropical Storm Fay. The structural repair of five existing erosion control structures was completed in coordination with the 2013 nourishment project. Nourishment was completed again in 2016, including a storm recovery component partially funded by FEMA to address damages sustained during Tropical Storm Debby. The FY 2019/20 project repairs storm damages from Hurricane Irma. Staff has determined that 53.96% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design, construction (reimbursement), and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$697,395    | \$1,887,464  | \$2,584,859  |

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

**LOCAL SPONSOR:** Martin County

**LOCAL CONTACT:** Kathy Fitzpatrick **PHONE:** 772-288-5429

**PROJECT DESCRIPTION:**

The Bathtub Beach/Sailfish Point Beach Nourishment Project includes 0.93 mile of shoreline between DEP monuments R34.3 – R38 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 impacts from Hurricanes Matthew and Irma, respectively. The next sand placement event is scheduled for FY 2020/21. Design efforts are ongoing for the next nourishment in FY 2023/24. Staff has determined that 73.98% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design and construction.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$1,202,175  | \$2,047,825  | \$3,250,000  |

**NAME OF PROJECT:** Central Boca Raton Beach Nourishment Project

**LOCAL SPONSOR:** City of Boca Raton

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

**PROJECT DESCRIPTION:**

The Central Boca Raton Beach Nourishment project includes 1.5 miles of shoreline between DEP monuments R216 – R222 in Palm Beach County. Restoration was completed in 2004, with a nourishment in 2006 to address storm impacts. Construction of the first design interval nourishment was completed in March 2017. The project is currently in the post-construction monitoring phase for the 2017 nourishment and design phase for the second design interval nourishment, scheduled for FY 2024/25. Staff has determined that 84.64% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$16,928     | \$23,072     | \$40,000     |

**NAME OF PROJECT:** Vero Beach Restoration

**LOCAL SPONSOR:** Indian River County

**LOCAL CONTACT:** Kendra Cope

**PHONE:** 772-226-1569

**PROJECT DESCRIPTION:**

The Vero Beach Restoration Project includes 3.1 miles of shoreline between DEP monuments R70 – R86 in Indian River County. A feasibility study was conducted in 2017 and amended in March 2018. The final design was completed in 2018. The restoration project will be cost-shared by FEMA to address damages from Hurricanes Matthew and Irma. Construction is scheduled for FY 2019/20. Staff has determined that 93.3% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (reimbursement) and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$111,876      | \$326,329    | \$373,197    | \$811,401    |

**NAME OF PROJECT:** South Boca Raton Beach Nourishment

**LOCAL SPONSOR:** City of Boca Raton

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

**PROJECT DESCRIPTION:**

The South Boca Raton Beach Nourishment project includes approximately one mile of shoreline between DEP monuments R223.3 – R227.9 in Palm Beach County. Restoration was completed in 1985 with subsequent nourishments in 1996, 2002, 2010, and 2013. The project area also receives bypass material from maintenance dredging of the Boca Raton Inlet, conducted annually by the city’s dredge. To alleviate significant shoaling in the Boca Raton Inlet, an interim project was completed in 2017. The project filled the beach template to capacity by placing dredged sand along the south beach project area. The project is currently in the post-construction monitoring phase for the 2017 nourishment and design phase for the next nourishment, scheduled for FY 2022/23. Staff has determined that 77.29% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$13,527     | \$21,473     | \$35,000     |

**NAME OF PROJECT:** Key Biscayne Beach Nourishment

**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 – R108 in Miami-Dade County. The project was restored as a federally-authorized restoration in 1987. In 1990, the project was de-authorized and three non-federal nourishments were conducted 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 proposed for FY 2020/21 to address erosion caused by Hurricane Irma. Staff has determined that 91.46% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$258,273      | \$39,369     | \$46,721     | \$344,363    |



**NAME OF PROJECT:** South Jupiter Beach Feasibility Study

**LOCAL SPONSOR:** Palm Beach County

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

**PROJECT DESCRIPTION:**

The South Jupiter Beach Feasibility Study consists of a study to evaluate alternatives for beach restoration along 1.45 miles of critically eroded shoreline between DEP monuments R19 – R26 in Palm Beach County. In 2016, a dune restoration was conducted to provide storm protection to A1A/Ocean Boulevard. A feasibility study is being conducted to investigate the option of incorporating the Jupiter/Carlin, South Jupiter and Juno Beach projects into a single fill event to reduce project construction costs and increase project performance of all three segments. Staff has determined that 100% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Feasibility (reimbursement) and design.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$133,292    | \$133,293    | \$266,585    |

**NAME OF PROJECT:** St. Andrews State Park Beach Restoration Project

**LOCAL SPONSOR:** Bay County

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

**PROJECT DESCRIPTION:**

The project consists of the restoration of approximately 0.8 mile of shoreline between DEP monuments R92 – R97 within St. Andrews State Park in Bay County. In 2018, Hurricane Matthew impacted the project and caused an erosional loss of 27,000 cubic yards of sand. The project includes the placement of approximately 600,000 cubic yards of sand within the St. Andrews State Park with a goal to incorporate the shoreline into the larger Panama City Beaches Shore Protection Project. The county will assume all design and permitting costs for the project, but staff has determined that 100% of the construction and monitoring phases of the project are eligible for state cost sharing. Construction is planned for 2020.

**FUNDS WILL BE USED FOR:**

Design, construction, and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$14,540,000 | \$200,000    | \$14,740,000 |

**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 entire 1.1-mile critically-eroded shoreline between DEP monuments R132 – R137.8 in Bay County. The shoreline was impacted by Hurricane Michael in 2018 and the entire project length experienced significant erosion. Construction is planned for FY 2020/21 and will place approximately 550,000 cubic yards of sand on the beach. Staff has completed a preliminary estimation and determined that 100% of the project is eligible for state cost sharing (subject to verification).

**FUNDS WILL BE USED FOR:**

Construction.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$4,614,750  | \$4,614,750  | \$9,229,500  |

**NAME OF PROJECT:** South Ponte Vedra Dune Restoration Project

**LOCAL SPONSOR:** St. Johns County

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

**PROJECT DESCRIPTION:**

The South Ponte Vedra Dune Restoration Project consists of a dune and berm restoration project from DEP monuments R76 – R101.5 in St. Johns County. Work to be completed in this phase includes design, permitting, and post-construction physical and biological monitoring. Project request does not include construction costs; only first year monitoring. The county received funds from a state legislative hurricane appropriation for Hurricane Matthew recovery that is already available in a DEP agreement and will be used for the construction phase of this project. Staff has determined that 36.36% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$109,080    | \$490,920    | \$600,000    |

**NAME OF PROJECT:** Alligator Point Beach Restoration Project

**LOCAL SPONSOR:** Franklin County

**LOCAL CONTACT:** Michael Morón **PHONE:** 850-653-5373

**PROJECT DESCRIPTION:**

The Alligator Point Beach Restoration Project consists of a 1.1-mile beach and dune restoration project along the County Park Segment between DEP monuments R210 – R216 in Franklin County. This project will mitigate for long-term erosion and provide an increased measure of storm protection for upland structures. Staff has determined that 100% of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$100,000    | \$100,000    | \$200,000    |

**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 – R45 in Martin County. Federal improvements began in 1974 with the construction of the first extension of the north jetty, a small southern jetty, and a detached breakwater. Since the construction of the sediment impoundment basin in 2002, regular sand bypassing has been conducted on a four- to five-year cycle, with the placement of sand to the south of the inlet on the beaches of Jupiter Island. Extensive monitoring and modeling efforts were conducted after the construction of the sediment impoundment basin to investigate the impact and functioning of the basin. As a result, a revised IMP was adopted in 2016. The project request includes design (sediment budget analysis, south jetty design, and infilling report) and construction (sand placement and post-construction monitoring between R34 – R42 and R45 – R59). Construction is planned for FY 2020/21. State cost share is 50% pursuant to section 161.143(3), F.S. The proposed project does not consist of construction of an initial major inlet management project component.

**FUNDS WILL BE USED FOR:**

Design, construction, and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$7,203,772  | \$7,203,771  | \$14,407,543 |

**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 – R152 in Palm Beach County. The South Lake Worth 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. 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 FY 2020/21. State cost share is 50% pursuant to section 161.143(3), F.S. The proposed project does not consist of construction of an initial major inlet management project component.

**FUNDS WILL BE USED FOR:**

Design and construction.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$850,000    | \$850,000    | \$1,700,000  |

**NAME OF PROJECT:** Port Everglades IMP Implementation

**LOCAL SPONSOR:** Broward County Board of County Commissioners

**LOCAL CONTACT:** Nicole Sharp **PHONE:** 954-519-1231

**PROJECT DESCRIPTION:**

Port Everglades Inlet is a federally-maintained navigation channel located between DEP monuments R85 – R86 in Broward County. The Department adopted the Port Everglades IMP in May 1999. The plan established an annualized bypassing objective of 44,000 cubic yards of sand. In 2002, the design of a spur groin attached to the south jetty and two groins located on the shore south the inlet (in lieu of breakwaters) was completed as recommended in the adopted IMP. Design efforts to remove rock spoil north of the inlet and create a sand trap to initiate a bypassing protocol are ongoing. The 2019 federal dredging has an estimated federal cost share at 100%. The non-federal share is the cost difference to place beach compatible sand onto the beach of Dr. Von D. Mizell-Eula Johnson State Park, between R86 and R92, as opposed to using an offshore disposal site. State cost share is 50% pursuant to section 161.143(3), F.S. The proposed project does not consist of construction of an initial major inlet management project component.

**FUNDS WILL BE USED FOR:**

Construction (reimbursement).

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$7,500,000    | \$355,000    | \$355,000    | \$8,210,000  |



**NAME OF PROJECT:** Blind Pass IMP Study

**LOCAL SPONSOR:** Lee County

**LOCAL CONTACT:** Steve Boutelle

**PHONE:** 239-533-8128

**PROJECT DESCRIPTION:**

The project includes the development of an IMP study for Blind Pass, located between DEP monuments R143 – R144 in Lee County. The study evaluated options and provided recommendations for the ongoing management of the pass and the adjacent Gulf shore beaches within its area of influence, approximately DEP monuments R100 – R116. The study is in the final stage of review by DEP, and DEP staff will develop an IMP for agency adoption. Funds for FY 2020/21 are requested for the design phase, which will include surveys, environmental assessments, and engineering analysis to refine project design for permit modifications in preparation for new construction, consistent with the IMP. State cost share is 50% pursuant to section 161.143(3), F.S. The proposed project does not consist of construction of an initial major inlet management project component.

**FUNDS WILL BE USED FOR:**

Design.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$170,000    | \$170,000    | \$340,000    |

**NAME OF PROJECT:** Wiggins Pass IMP Implementation

**LOCAL SPONSOR:** Collier County

**LOCAL CONTACT:** Gary McAlpin **PHONE:** 239-252-5342

**PROJECT DESCRIPTION:**

Wiggins Pass is located between DEP monuments R16 – R17 in Collier County. The county completed maintenance dredging and initial realignment of the channel in 2013. In 2015, an interim maintenance dredging project cleared the shoal across the main inlet entrance channel. The Department finalized the IMP in 2018, which has been implemented with the 2018 maintenance dredging event. Dredging of Wiggins Pass is planned again for FY 2019/20. State cost share is 50% pursuant to section 161.143(3), F.S. The proposed project does not consist of construction of an initial major inlet management project component.

**FUNDS WILL BE USED FOR:**

Design and construction (reimbursement).

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$162,500    | \$162,500    | \$325,000    |

**NAME OF PROJECT:** Sebastian Inlet IMP Implementation

**LOCAL SPONSOR:** Sebastian Inlet District

**LOCAL CONTACT:** James Gray, Jr. **PHONE:** 321-724-5175

**PROJECT DESCRIPTION:**

Sebastian Inlet is located between DEP monuments R219 in Brevard County and R1 in Indian River County. The inlet channel, sand trap and associated structures are maintained by the Sebastian Inlet District. Maintenance dredging of the channel and sand trap occur periodically, with placement of suitable material on the beaches located south of the inlet. Proposed activities over the next 20 years involve major dredging events of the sand trap and channel, which will result in the placement of approximately 150,000 cubic yards of sand on the beach every four years. During each major dredging event, at least 30,000 cubic yards will be placed in the Dredged Material Management Area to create a stockpile of beach-quality sand. This material will be truck hauled to the beach in response to storm events during interval dredging years. State cost share is 50% pursuant to section 161.143(3), F.S. The proposed project does not consist of construction of an initial major inlet management project component.

**FUNDS WILL BE USED FOR:**

Construction (reimbursement) and first year monitoring.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$332,500    | \$332,500    | \$665,000    |

**NAME OF PROJECT:** Boca Raton Inlet 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 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 FY 2020/21. State cost share is 75% for the construction and associated costs (feasibility, design and first year monitoring) of an initial major inlet management project. State cost share is 50% for monitoring after the year one post construction monitoring.

**FUNDS WILL BE USED FOR:**

Design and construction.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$753,600    | \$251,200    | \$1,004,800  |

**NAME OF PROJECT:** Mexico Beach Inlet Sand Bypassing Project

**LOCAL SPONSOR:** City of Mexico Beach

**LOCAL CONTACT:** Andy Anderson                      **PHONE:** 850-648-5700

**PROJECT DESCRIPTION:**

The project consists of the maintenance of the Mexico Beach Inlet, between DEP monuments R127 – R128 in Bay County. The requested funds will be used to design and construct improvements to the east jetty at the Mexico Beach Inlet. The 2017 Mexico Beach Restoration and Inlet Bypassing Feasibility Study investigated several alternatives for management of the beach and inlet, including improvements to the east jetty. Proposed design efforts incorporate extension of the east jetty seaward with the addition of armoring. State cost share is 75% because the proposed project consists of construction of an initial major inlet management project component.

**FUNDS WILL BE USED FOR:**

Design and construction.

| <b>Federal</b> | <b>State</b> | <b>Local</b> | <b>Total</b> |
|----------------|--------------|--------------|--------------|
| \$0            | \$535,875    | \$178,625    | \$714,500    |