



*Bonita Beach Nourishment in 2014. Photo courtesy of Lee County.*

***Beach Management Funding Assistance Program  
Fixed Capital Outlay Local Government Funding Requests  
Fiscal Year 2016-17***

**Division of Water Restoration Assistance  
Florida Department of Environmental Protection  
October 30, 2015**

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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. Each state dollar spent protecting Florida's beaches with widespread public access prevents the loss of \$8 in state taxes paid by out-of-state tourists and resident users of Florida's beaches (Florida Atlantic University, 2003).

Florida's beach management program, pursuant to Chapter 161, Florida Statutes (F.S.), the "Dennis L. Jones Beach and Shore Preservation Act," 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, such as storm protection, recreational beach area and habitat enhancement. Inlet management and inlet sand bypassing is also critical to account for the disruption of sand transport along the shoreline caused by dredging of inlets.

The Florida Department of Environmental Protection (DEP) is charged, in Sections 161.091, 161.101, 161.143 and 161.161, F.S., with developing and implementing a comprehensive, long-range statewide beach management plan. DEP has developed, in coordination with local sponsors and the United States Army Corps of Engineers (Corps), a Strategic Beach Management Plan (Strategic Plan), Long Range Budget Plan and annual inventory of beach erosion control projects proposing activities 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.

DEP currently designates 409.9 miles of sandy shoreline as critically eroded. Since 1998, when the Florida Legislature dedicated a portion of the Ecosystem Management and Restoration Trust Fund for beach management, \$658.7 million has been appropriated to cost-share 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 has resulted in the restoration and subsequent maintenance of more than 227.4 miles, or nearly 55 percent, of the state's critically eroded beaches.

The funding requests for FY 2016-17 consist of 57 different projects, which total nearly \$98 million. The prioritized list of beach erosion control projects is organized in two sections: Beach Restoration and Nourishment Projects and Inlet Sand Bypassing/Inlet Management Plan Implementation 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. Projects have been evaluated by DEP based on consistency with the Strategic Plan, permitting status, readiness to proceed with the proposed funding phase, and the appropriateness of the amount of funding requested.

This document is organized with an overview of the beach restoration and nourishment projects, followed by a summary funding table with beach projects listed in priority order. Next, the document provides an overview of the inlet sand bypassing/inlet management plan implementation projects, followed by a summary funding table with inlet projects listed in priority order. Lastly, project descriptions of individual beach and inlet projects, including local sponsor contact information, are provided in the order that they appeared in the funding tables.

## **BEACH RESTORATION AND NOURISHMENT PROJECTS**

DEP has developed a multiyear repair and maintenance strategy to implement the state 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 those 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 Restoration and Nourishment Projects (Beach Projects) for FY 2016-17 total nearly \$80 million. Projects are presented in the following order:

- The Post-construction Monitoring list: a comprehensive list of 16 projects requesting funds for state and federal permit-required monitoring;
- Beach Restoration and Nourishment Projects: a total of 35 projects requesting funds for feasibility studies, design and permitting, construction and year 1 monitoring (10 of these projects are also listed on the post-construction monitoring list above); and
- Regional Monitoring.

Projects have been evaluated by DEP and ranked in priority order. The descriptions of the proposed projects are based primarily on information provided by local governments. Funding eligibility and state cost share are calculated individually for each project based on public access, as defined by program rule, but have yet to be field verified.

**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	\$341,223	<b>\$1,180,045</b>	\$1,654,514	\$3,175,782	<b>\$1,180,045</b>
<b>1</b>	<b>St. Johns County Shore Protection Project</b>	St. Johns County	Construction	\$14,490,000	<b>\$1,703,196</b>	\$2,206,804	\$18,400,000	<b>\$2,883,241</b>
<b>2</b>	<b>Duval County Shore Protection Project</b>	City of Jacksonville	Construction	\$2,492,632	<b>\$826,300</b>	\$935,910	\$4,254,842	<b>\$3,709,541</b>
<b>3</b>	<b>Ft. Pierce Shore Protection Project</b>	St. Lucie County	Construction	\$6,221,000	<b>\$1,044,500</b>	\$1,044,500	\$8,310,000	<b>\$4,754,041</b>
<b>4</b>	<b>Segment III/Broward County Shore Protection Project</b>	Broward County	Design	\$707,154	<b>\$250,237</b>	\$252,247	\$1,209,638	<b>\$5,004,278</b>
<b>5</b>	<b>Blind Pass Ecozone Restoration</b>	Lee County	Construction	\$0	<b>\$877,500</b>	\$877,500	\$1,755,000	<b>\$5,881,778</b>
<b>6</b>	<b>Long Key/Upham Beach Groin Replacement</b>	Pinellas County	Design, Construction	\$0	<b>\$2,735,000</b>	\$2,735,000	\$5,470,000	<b>\$8,616,778</b>
<b>7</b>	<b>South Amelia Island Beach Nourishment</b>	Nassau County/SAISSA	Design, Construction	\$0	<b>\$313,680</b>	\$486,320	\$800,000	<b>\$8,930,458</b>
<b>8</b>	<b>North Boca Raton Segment/ Palm Beach County Shore Protection Project</b>	City of Boca Raton	Design	\$287,700	<b>\$106,150</b>	\$106,150	\$500,000	<b>\$9,036,608</b>
<b>9</b>	<b>Nassau County Shore Protection Project</b>	City of Fernandina Beach	Construction	\$632,800	<b>\$107,834</b>	\$124,366	\$865,000	<b>\$9,144,442</b>
<b>10</b>	<b>St. Joseph Peninsula Beach Nourishment</b>	Gulf County	Construction	\$0	<b>\$5,967,570</b>	\$10,847,223	\$16,814,793	<b>\$15,112,012</b>

- (1) Environmental 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 2016-17. A complete monitoring project listing can be found on Page 12. First-year monitoring has been included with construction funds.
- (2) Federal funding is provided by the Federal Emergency Management Agency (FEMA) for storm recovery nourishment.
- (3) Project includes funding for reimbursement for construction either that has been completed prior to the funding request submittal or that will be completed prior to the end of FY 2015-16.
- (4) Funds provided by third party are included in the local share.

**BEACH RESTORATION AND NOURISHMENT PROJECTS (CONTINUED)**

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
11	<b>Miami Beach Segment/Dade County Shore Protection Project</b>	Miami-Dade County	Construction	\$3,019,445	<b>\$1,400,000</b>	\$1,420,875	\$5,840,320	<b>\$16,512,012</b>
12	<b>Charlotte County Beach Restoration</b>	Charlotte County	Construction	\$0	<b>\$1,061,747</b>	\$1,311,402	\$2,373,149	<b>\$17,573,759</b>
13	<b>Jupiter Island Beach Nourishment (2)</b>	Town of Jupiter Island	Design, Construction	\$3,227,438	<b>\$1,065,561</b>	\$5,108,022	\$9,401,021	<b>\$18,639,320</b>
14	<b>Longboat Key Beach Nourishment</b>	Town of Longboat Key	Design, Construction	\$0	<b>\$1,449,284</b>	\$4,910,015	\$6,359,299	<b>\$20,088,604</b>
15	<b>Wabasso Beach Restoration</b>	Indian River County	Design, Construction	\$0	<b>\$900,000</b>	\$900,000	\$1,800,000	<b>\$20,988,604</b>
16	<b>Navarre Beach Nourishment (2)</b>	Santa Rosa County	Design, Construction	\$2,317,187	<b>\$5,657,689</b>	\$5,657,690	\$13,632,566	<b>\$26,646,293</b>
17	<b>Sand Key Segment/Pinellas County Shore Protection Project</b>	Pinellas County	Construction	\$15,700,000	<b>\$4,647,520</b>	\$4,722,480	\$25,070,000	<b>\$31,293,813</b>
18	<b>South St. Lucie County Federal Feasibility Study</b>	St. Lucie County	Construction	\$50,000	<b>\$25,000</b>	\$25,000	\$100,000	<b>\$31,318,813</b>
19	<b>Bonita Beach Nourishment (3)</b>	Lee County	Construction	\$0	<b>\$118,435</b>	\$230,828	\$349,263	<b>\$31,437,248</b>
20	<b>South Siesta Key Beach Nourishment</b>	Sarasota County	Construction	\$0	<b>\$4,941,397</b>	\$8,106,918	\$13,048,315	<b>\$36,378,645</b>
21	<b>Central Boca Raton Beach Nourishment</b>	City of Boca Raton	Design, Construction	\$0	<b>\$4,781,020</b>	\$6,714,580	\$11,495,600	<b>\$41,159,665</b>
22	<b>Mid-Town Beach Nourishment (3)</b>	Town of Palm Beach	Design, Construction	\$0	<b>\$7,856,800</b>	\$9,223,200	\$17,080,000	<b>\$49,016,465</b>

- (1) Environmental 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 2016-17. A complete monitoring project listing can be found on Page 12. First-year monitoring has been included with construction funds.
- (2) Federal funding is provided by FEMA for storm recovery nourishment.
- (3) Project includes funding for reimbursement for construction either that has been completed prior to the funding request submittal or that will be completed prior to the end of FY 2015-16.
- (4) Funds provided by third party are included in the local share.

**BEACH RESTORATION AND NOURISHMENT PROJECTS (CONTINUED)**

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
23	<b>South Boca Raton Beach Nourishment (3)</b>	City of Boca Raton	Construction	\$0	<b>\$812,718</b>	\$849,282	\$1,662,000	<b>\$49,829,183</b>
24	<b>Juno Beach Nourishment</b>	Palm Beach County	Design, Construction	\$0	<b>\$5,110,000</b>	\$5,110,000	\$10,220,000	<b>\$54,939,183</b>
25	<b>Phipps Ocean Park Beach Nourishment (3)</b>	Town of Palm Beach	Construction	\$0	<b>\$7,437,300</b>	\$11,632,700	\$19,070,000	<b>\$62,376,483</b>
26	<b>Captiva Island Beach Nourishment</b>	Captiva Erosion Prevention District	Design	\$0	<b>\$64,155</b>	\$285,845	\$350,000	<b>\$62,440,638</b>
27	<b>Mid-Reach Segment/Brevard County Shore Protection Project</b>	Brevard County	Design, Construction	\$16,335,000	<b>\$6,990,750</b>	\$7,634,250	\$30,960,000	<b>\$69,431,388</b>
28	<b>Perdido Key Beach Restoration</b>	Escambia County	Design, Construction	\$0	<b>\$4,155,244</b>	\$8,417,356	\$12,572,600	<b>\$73,586,632</b>
29	<b>Rest Beach Nourishment (4)</b>	City of Key West	Construction	\$0	<b>\$651,593</b>	\$888,005	\$1,539,598	<b>\$74,238,225</b>
30	<b>Southern Palm Beach Island Restoration (4)</b>	Palm Beach County	Feasibility, Design	\$0	<b>\$2,628,460</b>	\$3,942,690	\$6,571,150	<b>\$76,866,685</b>
31	<b>Coral Cove Park Dune Nourishment</b>	Palm Beach County	Construction	\$0	<b>\$400,000</b>	\$400,000	\$800,000	<b>\$77,266,685</b>
32	<b>Key Biscayne Beach Nourishment</b>	Village of Key Biscayne	Construction	\$0	<b>\$1,207,500</b>	\$1,207,500	\$2,415,000	<b>\$78,474,185</b>
33	<b>South Ponte Vedra/Vilano Beach/Summerhaven Federal Feasibility Study</b>	St. Johns County	Feasibility	\$550,000	<b>\$275,000</b>	\$275,000	\$1,100,000	<b>\$78,749,185</b>

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- (2) Federal funding is provided by FEMA for storm recovery nourishment.
- (3) Project includes funding for reimbursement for construction either that has been completed prior to the funding request submittal or that will be completed prior to the end of FY 2015-16.
- (4) Funds provided by third party are included in the local share.



**BEACH RESTORATION AND NOURISHMENT PROJECTS (CONTINUED)**

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
34	Higgs Beach Restoration	Monroe County	Design, Construction	\$0	\$750,000	\$750,000	\$1,500,000	\$79,499,185
35	Vero Beach Feasibility Study	Indian River County	Feasibility	\$0	\$50,000	\$50,000	\$100,000	\$79,549,185
36	Regional Monitoring	DEP	Monitoring	\$0	\$250,000	\$0	\$250,000	\$79,799,185
	<b>TOTAL</b>			<b>\$66,371,579</b>	<b>\$79,799,185</b>	<b>\$111,044,172</b>	<b>\$257,214,936</b>	

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- (2) Federal funding is provided by FEMA for storm recovery nourishment.
- (3) Project includes funding for reimbursement for construction that either has been completed prior to the funding request submittal or that will be completed prior to the end of FY 2015-16.
- (4) Funds provided by third party are included in the local share.

## **INLET SAND BYPASSING/INLET MANAGEMENT PLAN IMPLEMENTATION PROJECTS**

Navigational inlets are 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, the Legislature has directed DEP further 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 inlet management plan.

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. It further establishes funding priorities and ranking criteria for inlet projects and requires DEP to provide an annual inlet project list to the Legislature for funding. Rule 62B-36, F.A.C., was amended in August 2013 to incorporate new ranking criteria specific to inlet projects. These new criteria were used in ranking projects for FY 2016-17.

The funding requirements provided in Section 161.143, F.S., also include provisions that:

- At least 10 percent of the total amount that the Legislature appropriates will be used for the three highest-ranked inlet projects;
- At least 50 percent of the funds appropriated for the feasibility and design category will be made available for inlet management projects which involve the study, design or development of an inlet management project; and
- Inlet projects may receive 75 percent state cost share for the proposed activity.

In FY 2016-17, funding requests for 15 Inlet Sand Bypassing/Inlet Management Plan Implementation Projects (Inlet Projects) are included in the Beach Management Funding Assistance Program. These projects total nearly \$18 million in requested state funding. 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.

**INLET SAND BYPASSING/INLET MANAGEMENT PLAN IMPLEMENTATION PROJECTS**

Rank	Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
1	<b>Port Canaveral IMP Implementation</b>	Canaveral Port Authority	Design, Construction, Monitoring	\$350,000	<b>\$273,375</b>	\$91,125	\$714,500	\$273,375
2	<b>Lake Worth IMP Implementation</b>	Town of Palm Beach	Monitoring	\$0	<b>\$196,500</b>	\$65,500	\$262,000	\$469,875
3	<b>St. Lucie IMP Implementation</b>	Martin County	Construction, Monitoring	\$0	<b>\$5,318,750</b>	\$1,772,917	\$7,091,667	\$5,788,625
4	<b>Port Everglades IMP Implementation</b>	Broward County	Design, Construction	\$0	<b>\$9,533,250</b>	\$3,177,750	\$12,711,000	\$15,321,875
5	<b>Ponce de Leon Inlet IMP Study</b>	Volusia County	Feasibility	\$0	<b>\$375,000</b>	\$125,000	\$500,000	\$15,696,875
6	<b>South Lake Worth IMP Implementation</b>	Palm Beach County	Monitoring	\$0	<b>\$90,000</b>	\$30,000	\$120,000	\$15,786,875
7	<b>Blind Pass IMP Study</b>	Lee County	Feasibility	\$0	<b>\$225,000</b>	\$75,000	\$300,000	\$16,011,875
8	<b>Pass-a-Grille IMP Study</b>	Pinellas County	Feasibility	\$0	<b>\$91,500</b>	\$108,500	\$200,000	\$16,103,375
9	<b>Boca Raton IMP Implementation</b>	City of Boca Raton	Construction, Monitoring	\$0	<b>\$439,950</b>	\$146,650	\$586,600	\$16,543,325
10	<b>Longboat Pass IMP Implementation</b>	West Coast Inland Navigation District, Manatee County	Feasibility, Monitoring	\$0	<b>\$146,250</b>	\$48,750	\$195,000	\$16,689,575
11	<b>Bakers-Haulover IMP Study</b>	Miami-Dade County	Feasibility	\$0	<b>\$131,250</b>	\$43,750	\$175,000	\$16,820,825
12	<b>Mexico Beach Inlet Sand Bypassing</b>	City of Mexico Beach	Design, Construction	\$0	<b>\$465,750</b>	\$155,250	\$621,000	\$17,286,575
13	<b>Passage Key Inlet IMP Study</b>	Manatee County	Feasibility	\$0	<b>\$262,500</b>	\$87,500	\$350,000	\$17,549,075
14	<b>Big Carlos Pass IMP Study</b>	West Coast Inland Navigation District	Feasibility	\$0	<b>\$109,500</b>	\$36,500	\$146,000	\$17,658,575
15	<b>Redfish Pass IMP Study</b>	Captiva Erosion Prevention District	Feasibility	\$0	<b>\$187,500</b>	\$62,500	\$250,000	\$17,846,075
	<b>TOTAL</b>			<b>\$350,000</b>	<b>\$17,846,075</b>	<b>\$6,026,692</b>	<b>\$24,222,767</b>	

**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. 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>South Amelia Island Beach Nourishment</b>	\$0	<b>\$73,832</b>	\$114,468	\$188,300
<b>North Boca Raton Segment/Palm Beach County Shore Protection Project</b>	\$0	<b>\$52,500</b>	\$52,500	\$105,000
<b>St. Joseph Peninsula Beach Restoration</b>	\$0	<b>\$70,980</b>	\$129,020	\$200,000
<b>Pensacola Beach Nourishment</b>	\$0	<b>\$39,475</b>	\$39,475	\$78,950
<b>Jupiter/Carlin Segment/Palm Beach County Shore Protection Project</b>	\$0	<b>\$100,000</b>	\$100,000	\$200,000
<b>Longboat Key Beach Nourishment</b>	\$0	<b>\$133,595</b>	\$452,605	\$586,200
<b>Wabasso Beach Restoration</b>	\$0	<b>\$125,000</b>	\$125,000	\$250,000
<b>Delray Beach Segment/Palm Beach County Shore Protection Project</b>	\$65,823	<b>\$25,514</b>	\$25,515	\$116,852
<b>South St. Lucie Beach Restoration</b>	\$0	<b>\$52,188</b>	\$67,812	\$120,000
<b>Bonita Beach Nourishment</b>	\$0	<b>\$1,248</b>	\$2,432	\$3,680
<b>Central Boca Raton Beach Nourishment</b>	\$0	<b>\$12,560</b>	\$17,640	\$30,200
<b>Ocean Ridge Segment/Palm Beach County Shore Protection Project</b>	\$0	<b>\$100,000</b>	\$100,000	\$200,000
<b>South Boca Raton Beach Nourishment</b>	\$0	<b>\$191,492</b>	\$200,108	\$391,600
<b>Segment II/ Broward County Shore Protection Project</b>	\$275,400	<b>\$99,161</b>	\$125,439	\$500,000
<b>Estero Island Segment/Lee County Shore Protection Project</b>	\$0	<b>\$15,000</b>	\$15,000	\$30,000
<b>Key Biscayne Beach Nourishment</b>	\$0	<b>\$87,500</b>	\$87,500	\$175,000
	<b>\$341,223</b>	<b>\$1,180,045</b>	<b>\$1,654,514</b>	<b>\$3,175,782</b>

**NAME OF PROJECT:** St. Johns County Shore Protection Project

**LOCAL SPONSOR:** St. John's County

**LOCAL CONTACT:** Press Tompkins **PHONE:** (904) 209-0113

**PROJECT DESCRIPTION:**

The St. Johns County Shore Protection project consists of approximately 2.9 miles of shoreline between DEP Monuments R137 - R151 in St. Johns County. The project includes 0.9 miles of beach within Anastasia Island State Recreation Area. Restoration of the federal project and the non-federal extension within the state recreation area was completed in 2003. Emergency nourishment was completed in 2005 to repair damages sustained during the 2004 hurricane season. Nourishment was completed in 2012 with a subsequent nourishment planned for FY 2016-17. Staff has determined that 78.87 percent 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>
\$14,490,000	\$1,703,196	\$2,206,804	\$18,400,000

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

**LOCAL SPONSOR:** Duval County

**LOCAL CONTACT:** Thomas W. Heal, P.E. **PHONE:** (904) 255-8749

**PROJECT DESCRIPTION:**

The Duval County Shore Protection project consists of approximately 10.1 miles of Atlantic shoreline between DEP Monuments R31 - R80 in Duval County. Initial restoration of this federal project was completed between 1978 and 1980. Additional nourishments occurred in 1985, 1987, 1991, 1995, 2003, 2005 and 2011. Design of the FY 2016-17 nourishment is ongoing. Staff has determined that 94.41 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (funding shortfall required for federal nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$2,492,632	\$826,300	\$935,910	\$4,254,842

**NAME OF PROJECT:** Ft. Pierce Shore Protection Project

**LOCAL SPONSOR:** St. Lucie County

**LOCAL CONTACT:** Richard Bouchard **PHONE:** (772) 462-1710

**PROJECT DESCRIPTION:**

The federal Ft. Pierce Shore Protection project consists of nourishment of approximately 1.3 miles of shoreline between DEP Monuments R34 - R41 in St. Lucie County. The federal project was initially constructed in 1971, with initial nourishments in 1981 and 1999. Since 1999, 11 nourishments were completed totaling placement of approximately 4.34 million cubic yards of beach compatible material. All of these events used an offshore borrow area except for an emergency truck haul in 2011, which used upland sand source. The next nourishment is scheduled for FY 2016-17. Staff has determined that 100 percent 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>
\$6,221,000	\$1,044,500	\$1,044,500	\$8,310,000

**NAME OF PROJECT:** Segment III/Broward County Shore Protection Project

**LOCAL SPONSOR:** Broward County

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

**PROJECT DESCRIPTION:**

The Segment III/Broward County Shore Protection project includes 6.9 miles of critically eroded shoreline between DEP Monuments R86 - R92 and R99 - R128 in Broward County. The federally authorized project was restored in FY 2005-06 using an offshore borrow site. The project also constructed a spur groin connected to the south jetty of Port Everglades Inlet, installation of two T-head groins offshore of John U. Lloyd State Park, and construction of 8.9 acres of artificial reef as mitigation. The current project is in the design phase, with anticipated nourishment construction in FY 2017-18. Staff has determined that 99.6 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design (nourishment).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$707,154	\$250,237	\$252,247	\$1,209,638



**NAME OF PROJECT:** Blind Pass Ecozone Restoration

**LOCAL SPONSOR:** Lee County

**LOCAL CONTACT:** Stephen Boutelle **PHONE:** (239) 533-8128

**PROJECT DESCRIPTION:**

The Blind Pass Ecosystem Restoration project maintains flushing with Pine Island Sound between DEP Monuments R109 - R118 in Lee County. The channel was restored in 2009 with supplemental dredging in FY 2012-13. Dredge material is placed on downdrift critically eroded shoreline on Sanibel Island. Construction is planned for FY 2016-17. Staff has determined that 100 percent 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>
\$0	\$877,500	\$877,500	\$1,755,000

**NAME OF PROJECT:** Long Key/Upham Beach Groin Replacement

**LOCAL SPONSOR:** Pinellas County

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

**PROJECT DESCRIPTION:**

The Upham Beach Groin Replacement project consists of design and construction of permanent rock structures to stabilize approximately 1,929 feet of shoreline located at Upham Beach on the north end of Long Key between DEP Monuments R144 - R146 in Pinellas County. The project also includes the design and construction of beach nourishment. The federal nourishment project was initially constructed in 1980 with nourishment occurring on a four-year cycle. Five geotextile groins were installed in 2005-2006 to extend the nourishment interval of the federal project to six years. Construction of a nourishment project and interim repair of damaged geotextile groins was completed in 2011. The FY 2016-17 project consists of the replacement of the geotextile groins with permanent rock groins and design and construction of a supplemental beach nourishment project. Staff has determined that 100 percent of the project area is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design (supplemental nourishment), construction (unfunded portion of construction of permanent rock structures and supplemental nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$2,735,000	\$2,735,000	\$5,470,000

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

**LOCAL SPONSOR:** South Amelia Island Shore Stabilization Association, Nassau County

**LOCAL CONTACT:** Bill Moore, Ted Selby **PHONE:** (904) 277-5103, (904) 530-6010

**PROJECT DESCRIPTION:**

The South Amelia Island Beach Nourishment project consists of approximately 3.4 miles of shoreline between DEP Monuments R60 - R79 in Nassau County. Restoration was completed in 1994 with subsequent placement of sand dredged from the Atlantic Intracoastal Waterway (AIWW) following in 1997 and 2001. Nourishment was completed in 2002 with cost sharing between the South Amelia Island Shore Stabilization Association and DEP's Division of Recreation and Parks. Construction of a terminal groin and breakwater was completed in 2005. Nourishment was completed again in 2011. A sand search for the next full nourishment is underway and federal dredging of AIWW is planned for FY 2016-17 with disposal in the project template. Staff has determined that 78.41 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design (sand search) and construction (coordination with federal dredge disposal).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$313,680	\$486,320	\$800,000

**NAME OF PROJECT:** North Boca Raton Segment/Palm Beach County Shore Protection Project

**LOCAL SPONSOR:** City of Boca Raton

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

**PROJECT DESCRIPTION:**

The North Boca Raton Segment of the federal Palm Beach County 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. The federal Hurricane Sandy storm repair project was completed in 2014. A sand search is proposed for the next nourishment. Staff has determined that 100 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design (sand search).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$287,700	\$106,150	\$106,150	\$500,000

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

**LOCAL SPONSOR:** City of Fernandina Beach

**LOCAL CONTACT:** Cheryl Lilly **PHONE:** (904) 310-3104

**PROJECT DESCRIPTION:**

The federal Nassau County Shore Protection project consists of approximately 3.8 miles of Atlantic shoreline between DEP Monuments R11 - R34 in Nassau County. Restoration was completed in 2008 and nourishment is scheduled for FY 2016-17. Staff has determined that 92.88 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (partial funding for nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$632,800	\$107,834	\$124,366	\$865,000

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

**LOCAL SPONSOR:** Gulf County

**LOCAL CONTACT:** Don Butler **PHONE:** (850) 229-6111

**PROJECT DESCRIPTION:**

The St. Joseph Peninsula Beach Nourishment project consists of approximately 7.5 miles of shoreline between DEP Monuments R69 - R105.5 in Gulf County. Restoration was completed in 2009 and monitoring is ongoing. Due to damages sustained from Tropical Storm Gustav in 2008 during the restoration, the County is working with FEMA to construct a hurricane recovery project between DEP Monuments R74.8 - R95.3. The first full nourishment is scheduled for FY 2016-17. Staff has determined that 70.98 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$5,967,570	\$10,847,223	\$16,814,793

**NAME OF PROJECT:** Miami Beach Segment/Dade County Shore Protection Project

**LOCAL SPONSOR:** Miami-Dade County

**LOCAL CONTACT:** Brian Flynn **PHONE:** (305) 372-6850

**PROJECT DESCRIPTION:**

The federal Dade County Shore Protection project consists of the nourishment of approximately 13.4 miles of shoreline within the municipal boundaries of Sunny Isles, Bal Harbour, Surfside and Miami Beach between DEP Monuments R7 - R74 in Miami-Dade County. Restoration was first initiated in 1972 with the final segments being added in 1986. Federal nourishment projects are constructed periodically and on an “as needed” basis, with hot spot nourishment being conducted by the County using upland sand between federal projects. The upcoming federal nourishment will place 220,000 cubic yards of sand within the Miami Beach Segment via truck haul, using the County’s existing permit. Staff has determined that the project is 99.26 percent eligible for state funding.

**FUNDS WILL BE USED FOR:**

Construction (partial funding for nourishment).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$3,019,445	\$1,400,000	\$1,420,875	\$5,840,320

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

**LOCAL SPONSOR:** Charlotte County

**LOCAL CONTACT:** Charles Mopps **PHONE:** (941) 575-3685

**PROJECT DESCRIPTION:**

The Charlotte County Beach Nourishment project consists of approximately 2.1 miles of shoreline between DEP Monuments R28 - R39 and restoration of 1.7 miles of shoreline between R9.1 - R17 in Charlotte County. Restoration of the southern segment was completed in 2003. The first nourishment was completed in 2006. Nourishment was completed in 2011 using FEMA funds received to repair damages sustained during Tropical Storm Faye. A feasibility study for the stabilization of the south end of Manasota Key/Stump Pass Beach State Park is complete, with design ongoing for the nourishment in FY 2015-16. Staff has estimated that 89.48 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (partial funding for nourishment and terminal groin) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$1,061,747	\$1,311,402	\$2,373,149



**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 consists of nourishment of approximately 6.1 miles of shoreline between DEP Monuments R75 - R111 in Martin County. Restoration was completed in 1973. Nourishments are completed on a 3 - 4 year cycle. The last nourishment was conducted in 2012 using FEMA storm recovery funds to repair storm-related damages. Emergency nourishment was completed in 2014 in response to Hurricane Sandy and the full storm repair will be completed in winter of FY 2015-16 as a component of the next nourishment event. Staff has determined that 34.52 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design, construction (partial funding for nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$3,227,438	\$1,065,561	\$5,108,022	\$9,401,021

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

**LOCAL SPONSOR:** Town of Longboat Key

**LOCAL CONTACT:** Juan Florensa **PHONE:** (941) 316-1988

**PROJECT DESCRIPTION:**

The Longboat Key Beach Nourishment project consists of 9.8 miles of shoreline between DEP Monuments R44 - R67 in Manatee County and R1 - R29.5 in Sarasota County. The project was restored in 1993. Nourishment to address storm impacts occurred in 1997. Nourishment of the entire project area was completed in 2006. 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 is scheduled in segments for FY 2015-16 and FY 2016-17, including placement of dredge material from Longboat Pass on the north end, placement of dredge material from New Pass on the south end and truck haul placement of upland sand in the central portion of the island. Staff has determined that 45.58 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design (including reimbursement), construction (partial funding for nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$1,449,284	\$4,910,015	\$6,359,299

**NAME OF PROJECT:** Wabasso (Indian River Sector 3) Beach Restoration

**LOCAL SPONSOR:** Indian River County

**LOCAL CONTACT:** James Gray **PHONE:** (772) 226-1344

**PROJECT DESCRIPTION:**

The Wabasso (Indian River Sector 3) Beach Restoration project consists of restoration of approximately 6.1 miles of shoreline between DEP Monuments R20 - R51.3 (critically eroded section) in Indian River County (Sector 3). Phase I construction was completed in 2010. Phase II construction was initiated in 2011 and completed in 2012. Due to damages sustained during Hurricane Sandy, minor emergency repairs were constructed in 2012 and a full repair nourishment was constructed in the winter of 2014 - 2015. Design of the mitigation reef is underway and construction is scheduled for FY 2016-17. Staff has determined that 100 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design and construction (mitigation reef).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$900,000	\$900,000	\$1,800,000

**NAME OF PROJECT:** Navarre Beach Nourishment

**LOCAL SPONSOR:** Santa Rosa County

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

**PROJECT DESCRIPTION:**

The Navarre Beach Nourishment project consists of approximately 4.1 miles of shoreline between DEP Monuments R192.5 - R213.5 in Santa Rosa County. The restoration was completed in 2006. A small truck haul hot spot nourishment was completed in April 2010 from DEP Monuments R192 - R194 to repair damages sustained in 2008. The first nourishment of the entire project is scheduled for FY 2015-16. The project will include a storm repair to replace losses sustained during Tropical Storm Debby. Staff has determined that 100 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (partial funding for nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$2,317,187	\$5,657,689	\$5,657,690	\$13,632,566

**NAME OF PROJECT:** Sand Key Segment/Pinellas County Shore Protection Project

**LOCAL SPONSOR:** Pinellas County

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

**PROJECT DESCRIPTION:**

The Sand Key Segment/Pinellas County Shore Protection project consists of nourishment of 8.3 miles of critically eroded shoreline within the 11.3-mile Sand Key portion of the federal Pinellas County Shore Protection project between DEP Monuments R56 - R107 in Pinellas County. Initial nourishment occurred in 1988 and five fill placement events have occurred under the current federally authorized project. The most recent nourishment project was completed in November 2012 with subsequent nourishment scheduled for 2017. Staff has determined that 99.2 percent 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>
\$15,700,000	\$4,647,520	\$4,722,480	\$25,070,000

**NAME OF PROJECT:** South St. Lucie County Federal Feasibility Study

**LOCAL SPONSOR:** St. Lucie County

**LOCAL CONTACT:** Richard Bouchard **PHONE:** (772) 462-1710

**PROJECT DESCRIPTION:**

The South St. Lucie County Beach Restoration project consists of the restoration of 3.4 miles of shoreline between DEP Monuments R98 - R115 in St. Lucie County. In 2004, a federal feasibility study was initiated. The project was restored as a non-federal project in 2013. In coordination with the restoration, the project incorporated a dune repair for damages sustained during Hurricane Sandy. The mitigation reef was completed in 2015. A federal feasibility study is ongoing. Staff has determined that the feasibility study is 100 percent eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Feasibility (federal study).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$50,000	\$25,000	\$25,000	\$100,000

**NAME OF PROJECT:** Bonita Beach Nourishment

**LOCAL SPONSOR:** Lee County

**LOCAL CONTACT:** Stephen Boutelle **PHONE:** (239) 533-8128

**PROJECT DESCRIPTION:**

The Bonita Beach Nourishment project consists of approximately 0.8 mile of shoreline between DEP Monuments R226 - R230 in Lee County. Restoration was completed in 1995 with nourishment in 2004 and 2014. Staff has determined that 67.81 percent 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>
\$0	\$118,435	\$230,828	\$349,263

**NAME OF PROJECT:** South Siesta Key Beach Nourishment

**LOCAL SPONSOR:** Sarasota County

**LOCAL CONTACT:** Laird Wreford **PHONE:** (941) 809-7491

**PROJECT DESCRIPTION:**

The South Siesta Key Beach Nourishment project consists of 1.9 miles of shoreline along South Siesta Key between DEP Monuments R67 - R77 in Sarasota County. Restoration was completed in 2007. Nourishment is scheduled for FY 2015-16. Staff has determined that 75.74 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (partial funding for nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$4,941,397	\$8,106,918	\$13,048,315



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

**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 - R222.9 in Palm Beach County. Restoration was completed in 2004, with a nourishment in 2006 following storm impacts. The next nourishment is scheduled for FY 2015-16. Staff has determined that 83.18 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design (reimbursement), construction (partial funding for nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$4,781,020	\$6,714,580	\$11,495,600

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

**LOCAL SPONSOR:** Town of Palm Beach

**LOCAL CONTACT:** Robert Weber **PHONE:** (561) 383-5440

**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. The project included construction of 11 groins, which were completed in 1996. In 2003, nourishment expanded the project length to R90.4 - R101.4. The project was nourished using FEMA funds in 2006 in response to the 2004 – 2005 Atlantic Hurricane Seasons and again in 2010-2011 to repair damages sustained during Tropical Storm Fay. The subsequent nourishment was completed in 2015, extending the project tapers on either end to the current project length. Preliminary estimated eligibility is calculated as 92 percent for state cost sharing (subject to verification).

**FUNDS WILL BE USED FOR:**

Construction (reimbursement for FY 2014-15 nourishment) and year one monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$7,856,800	\$9,223,200	\$17,080,000

**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 1.0 mile of shoreline between DEP Monuments R223.3 - R227.9 in Palm Beach County. Restoration was completed in 1985 with nourishment in 1996, 2002 and 2010. The project area also receives bypass material from maintenance dredging of the Boca Raton Inlet conducted annually by the City of Boca Raton's dredge. Nourishment was last completed in 2013 in coordination with regional storm repair projects. Staff has determined that 97.8 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design (permit) and construction (reimbursement for 2013 nourishment).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$812,718	\$849,282	\$1,662,000

**NAME OF PROJECT:** Juno Beach Nourishment

**LOCAL SPONSOR:** Palm Beach County

**LOCAL CONTACT:** Leanne Welch **PHONE:** (561) 233-2434

**PROJECT DESCRIPTION:**

The Juno Beach Nourishment project includes approximately 2.4 miles of critically eroding shoreline downdrift of Jupiter Inlet located between DEP Monuments R26 - R38 in Palm Beach County. The original project was restored in 2001 but subsequently impacted by the hurricanes of 2004, 2005 and 2008. In 2009, the 0.75-acre Juno Mitigation Reef was constructed of limestone rock pods on concrete reef modules in advance of nourishment that was completed in 2010. Interim truck-haul nourishment is scheduled again for FY 2016-17. Staff has determined that the project is 100 percent eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design, construction (nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$5,110,000	\$5,110,000	\$10,220,000

**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 1.4 miles of shoreline located between DEP Monuments R118.7 - R126 in Palm Beach County. In 2004, a 3.1-acre mitigation reef was constructed to compensate for anticipated impacts to hardbottom resources. Restoration was completed in 2006. FEMA dune restoration 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 project. A full nourishment is scheduled for FY 2015-16. An expansion of the project limits is proposed which will change the project eligibility. The proposed eligibility of 78 percent is a preliminary estimate (subject to verification).

**FUNDS WILL BE USED FOR:**

Construction (FY 2014-15 interim project), construction (FY 2015-16 full nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$7,437,300	\$11,632,700	\$19,070,000

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

**LOCAL SPONSOR:** Captiva Erosion Prevention District

**LOCAL CONTACT:** Kathy Rooker **PHONE:** (239) 472-2472

**PROJECT DESCRIPTION:**

The Captiva Island Beach Nourishment project consists of 4.9 miles of shoreline between DEP Monuments R84 - 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 placement on Sanibel Island as a local option. The 2014 project nourished both sections as a non-federal project. A sand search is proposed for future nourishment events. Staff has determined that 36.66 percent of the project is eligible for cost sharing.

**FUNDS WILL BE USED FOR:**

Design (sand search).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$64,155	\$285,845	\$350,000

**NAME OF PROJECT:** Mid-Reach Segment/Brevard County Shore Protection Project

**LOCAL SPONSOR:** Brevard County

**LOCAL CONTACT:** Mike McGarry **PHONE:** (321) 633-2016, ext. 52696

**PROJECT DESCRIPTION:**

The Mid-Reach Segment of the Brevard County Shore Protection project consists of approximately 7.8 miles of shoreline between DEP Monuments R75 - R118 in Brevard County. The Mid-Reach Segment, as well as the Patrick Air Force Base federally managed shoreline, are located between the North and South Reaches of the federal Brevard County Shore Protection project. The Mid Reach segment was federally authorized in 2014 and preliminary engineering and design are ongoing. Construction of a mitigation reef will be initiated when federal funds become available, with beach fill scheduled to follow in FY 2016-17. Staff has determined that 81.06 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design, construction (partial funding for nourishment) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$16,335,000	\$6,990,750	\$7,634,250	\$30,960,000

**NAME OF PROJECT:** Perdido Key Beach Restoration

**LOCAL SPONSOR:** Escambia County

**LOCAL CONTACT:** Tim Day **PHONE:** (850) 595-1144

**PROJECT DESCRIPTION:**

The Perdido Key Beach Restoration project consists of approximately 3.0 miles of shoreline between DEP Monuments R19 - R34 in Escambia County. Beach and dune restoration was originally proposed for a 3.0-mile beach segment between R19 and R34, with a protective berm construction proposed from R12.5 to R19 and dune restoration proposed for 2.4 miles between R01 to R12.5. Construction is scheduled for FY 2016-17 to include only the beach and dune segment between R19 - R34. Staff has determined that 51.7 percent of the project is eligible for state 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>
\$0	\$4,155,244	\$8,417,356	\$12,572,600



**NAME OF PROJECT:** Rest Beach Nourishment

**LOCAL SPONSOR:** Monroe County

**LOCAL CONTACT:** Janet Mucino **PHONE:** (305) 809-3867

**PROJECT DESCRIPTION:**

The Rest Beach Nourishment project consists of the nourishment of 0.12 miles of shoreline fronting the Straits of Florida in Key West in Monroe County. Restoration was completed in 1995. FEMA dune repair was completed in 2009. Nourishment is scheduled for FY 2015-16, along with seagrass mitigation. Staff has determined that 100 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (nourishment, seagrass mitigation) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$651,593	\$888,005	\$1,539,598

**NAME OF PROJECT:** Southern Palm Beach Island Beach Restoration

**LOCAL SPONSOR:** Palm Beach County

**LOCAL CONTACT:** Leanne Welch **PHONE:** (561) 233-2434

**PROJECT DESCRIPTION:**

The Southern Palm Beach Island Restoration consists of feasibility analysis, design of beach restoration project and advanced mitigation construction along 2.06 miles of critically eroded beach between DEP Monuments R-128.9 to R-138.4 in Palm Beach County. In 2004, the Legislature designated emergency funding in conjunction with FEMA funds for a feasibility study in the southern portion of the project south of the Town of Palm Beach. Dune maintenance projects were conducted in 2007 and 2009. The project was expanded and redesigned from the South Palm Beach project area as originally described in DEP's Strategic Beach Management Plan. Several alternatives have been explored including the use of breakwaters. An Environmental Impact Statement (EIS) is in progress in order to construct a future erosion control alternative. Feasibility phase analysis provides up to 50 percent cost sharing for approved work. Preliminary estimated eligibility is calculated as 100 percent eligible for state cost sharing subject to verification prior to contracting.

**FUNDS WILL BE USED FOR:**

Feasibility (EIS), design (permit for dune project) and construction (mitigation reef).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$2,628,460	\$3,942,690	\$6,571,150

**NAME OF PROJECT:** Coral Cove Park Dune Nourishment

**LOCAL SPONSOR:** Palm Beach County

**LOCAL CONTACT:** Leanne Welch **PHONE:** (561) 233-2434

**PROJECT DESCRIPTION:**

The Coral Cove Park Dune Nourishment project is located between DEP monuments R5 - R7.6 in Palm Beach County. The initial dune restoration was completed in 1993 using sand from an upland sand source. In 2004, the Legislature designated emergency funding in combination with FEMA funds for a dune maintenance project. The project required no additional maintenance until significant erosion occurred in the winter of 2011-2012. A dune repair project was completed in 2012 to address storm impacts from Hurricane Sandy and again in 2014. Staff has determined the project is 100 percent eligible for cost sharing.

**FUNDS WILL BE USED FOR:**

Construction (reimbursement for 2014 nourishment).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$400,000	\$400,000	\$800,000

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

**LOCAL SPONSOR:** Village of Key Biscayne

**LOCAL CONTACT:** John Gilbert **PHONE:** (305) 365-5514

**PROJECT DESCRIPTION:**

The Key Biscayne Beach project consists of nourishment of approximately 1.2 miles of shoreline between DEP Monuments R101 - R108 in Dade County. Restoration was completed in 1987 with nourishment following in 2002 and 2012. The next nourishment is planned for FY 2015-16. Staff has determined that 97 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design and construction (nourishment).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$1,207,500	\$1,207,500	\$2,415,000

**NAME OF PROJECT:** South Ponte Vedra/Vilano/Summer Haven Federal Feasibility Study

**LOCAL SPONSOR:** St. Johns County

**LOCAL CONTACT:** Press Tompkins **PHONE:** (904) 209-0113

**PROJECT DESCRIPTION:**

The South Ponte Vedra/Vilano/Summer Haven Beach Restoration project consists of approximately 6 miles of shoreline in three segments within St. Johns County: South Ponte Vedra (DEP Monuments R84 - R94), Vilano Beach (DEP Monuments R109 - R117) and Summerhaven (DEP Monuments R197 - R209). Federal feasibility studies began in 2005 with Vilano Beach and Summerhaven Beach. In 2007, the South Ponte Vedra segment was added. The federal feasibility study is ongoing. Staff has determined that 100 percent of the project is eligible for state cost sharing for feasibility.

**FUNDS WILL BE USED FOR:**

Feasibility Study.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$550,000	\$275,000	\$275,000	\$1,100,000

**NAME OF PROJECT:** Higgs Beach Restoration

**LOCAL SPONSOR:** Monroe County

**LOCAL CONTACT:** Dan Bensley **PHONE:** (305) 292-4468

**PROJECT DESCRIPTION:**

The Higgs Beach Restoration project consists of restoration of 540 feet of critically eroded shoreline fronting the Straits of Florida in Key West, Monroe County. Restoration will be conducted in two phases: Phase I will place sand above mean high water and Phase II will incorporate placement below mean high water. Staff has determined that 100 percent of the project is eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Design and Construction (nourishment).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$750,000	\$750,000	\$1,500,000

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

**LOCAL SPONSOR:** Indian River County

**LOCAL CONTACT:** James Gray **PHONE:** (772) 226-1344

**PROJECT DESCRIPTION:**

The Vero Beach Restoration project consists of a non-federal feasibility study for the restoration of 14,212 feet (2.7 miles) of shoreline between DEP Monuments R72 - R86 in Indian River County.

**FUNDS WILL BE USED FOR:**

Feasibility (Environmental Impact Statement).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$50,000	\$50,000	\$100,000

**NAME OF PROJECT:** Regional Monitoring

**LOCAL SPONSOR:** Florida Department of Environmental Protection

**LOCAL CONTACT:** Gene Chalecki **PHONE:** (850) 488-7813

**PROJECT DESCRIPTION:**

The Regional Data Collection and Processing Program is designed to address statewide coastal erosion and change analysis and outlines the minimum data collection efforts necessary to accomplish the program goals. It includes a combination of in-house and contracted work efforts that provide for complete statewide coverage of the program jurisdictional areas on an eight-year cycle. The data collection cycle includes the acquisition and development of:

- Aerial photography;
- Aerial oblique photography for reconnaissance and emergency response;
- Conventional topographic and bathymetric surveys
- Laser remote sensing technologies including topographic and bathymetric data (LIDAR); and
- Computer-based stereo photo modeling.

These data are used to support all aspects of the statewide beach management and coastal permitting programs, including the planning and design of beach restoration and nourishment, post-hurricane response and recovery activities and the development of the critically eroded beaches inventory. The collection and analysis of the data is coordinated with other statewide initiatives including the annual aerial digital photo acquisition initiative, the U. S. Army Corps of Engineers' Regional Sediment Management efforts and local government project sponsors to increase cost efficiency and avoid duplication of efforts.

**FUNDS WILL BE USED FOR:**

Funds will be used for the collection and processing of aerial photography of the Southwest region from Pinellas to Collier County.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$250,000	\$0	\$250,000



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

**LOCAL SPONSOR:** Canaveral Port Authority

**LOCAL CONTACT:** Carol Noble **PHONE:** (321) 783-7831, ext. 256

**PROJECT DESCRIPTION:**

The Port Canaveral Inlet is a federally authorized and maintained inlet. The U.S. Army Corps of Engineers has completed structural improvements to the north and south jetties and periodically bypasses sediment to the downdrift beaches and nearshore. The IMP was initially adopted in 1996 and updated in 2014. Federally funded bypassing events using material excavated from the 1.6 mile-long fillet updrift of the north jetty began in 1995 and the fourth event was completed in 2010. All bypass material is placed between DEP Monuments R1 - R14 south of the inlet. Permitting of the next bypassing event is ongoing and construction is planned for 2017.

**FUNDS WILL BE USED FOR:**

Design, construction (compliance oversight) and first year monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$350,000	\$273,375	\$91,125	\$714,500

**NAME OF PROJECT:** Lake Worth Inlet IMP Implementation

**LOCAL SPONSOR:** Town of Palm Beach

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

**PROJECT DESCRIPTION:**

Lake Worth Inlet (also known as Palm Beach Inlet) is a federally authorized and maintained inlet located between DEP Monuments R75 - R76 in Palm Beach County. A fixed sand transfer plant (STP) was constructed on the north jetty in 1958. It was not operational between May 1990 and May 1996. The Lake Worth IMP was adopted in 1996 but a bypassing objective was not established until 2000, when a sediment budget study recommended an annual bypassing objective of 202,000 cubic yards. The STP was reconstructed in 2010 replacing the diesel powered pump with an electric pump. Storm conditions associated with Hurricane Sandy rendered the STP inoperable from October 2012 to September 2013. In December 2014, the STP again was out of service due to an electrical failure. Repairs were completed in 2015. The STP has not been able to pump at an increased capacity since its 2010 reconstruction due to a deficit of sand in the system. Federal maintenance dredging occurs almost every year in order to maintain required navigational clearances. Federal maintenance projects place beach-compatible material on downdrift beaches when possible.

**FUNDS WILL BE USED FOR:**

Monitoring (biological and turtle).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$196,500	\$65,500	\$262,000

**NAME OF PROJECT:** St. Lucie Inlet IMP Implementation

**LOCAL SPONSOR:** Martin County

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

**PROJECT DESCRIPTION:**

St. Lucie Inlet is a federally authorized inlet. Federally authorized improvements began in 1982 with the construction of a sand trap inside the inlet. Regular sand bypassing from the sand trap was completed on a 4 - 5 year cycle with placement of sand on the beaches of Jupiter Island south of the inlet. Deepening of the sand trap in 2000 and emergency dredging in 2002 resulted in nearshore disposal of material. The sand trap was dredged in 2007 and 2010. The last sand bypassing event was completed in 2014. A revised IMP was drafted in 2015. Martin County will supplement the next nourishment of the Jupiter Island project with the placement of 500,000 cubic yards of sand from the Town's approved borrow area.

**FUNDS WILL BE USED FOR:**

Construction (2016 bypassing) and monitoring (Year 2 reimbursement and Year 3).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$5,318,750	\$1,772,917	\$7,091,667

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

**LOCAL SPONSOR:** Broward County

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

**PROJECT DESCRIPTION:**

Port Everglades Inlet (also known as the Port Everglades Entrance) is a federally maintained navigation channel and the entrance to Port Everglades located between DEP Monuments R85 - R86 in Broward County. DEP adopted the Port Everglades Inlet Management Study Implementation Plan in May 1999. The plan established an annualized bypassing objective of 44,000 cubic yards. In 2002, design of a spur groin attached to the south jetty and two groins located on the shore south of the inlet (in lieu of breakwaters) was completed as recommended in the adopted inlet management plan. Construction was completed as part of the 2006 Segment III/Broward County Shore Protection project. Design efforts to remove rock spoil north of the inlet and create a sand trap to initiate a bypassing protocol are ongoing. Construction is planned for FY 2016-17.

**FUNDS WILL BE USED FOR:**

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

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$9,533,250	\$3,177,750	\$12,711,000

**NAME OF PROJECT:** Ponce de Leon Inlet IMP Study

**LOCAL SPONSOR:** Volusia County

**LOCAL CONTACT:** Joe Nolin **PHONE:** (386) 248-8072

**PROJECT DESCRIPTION:**

Ponce de Leon Inlet is a natural tidal inlet located between DEP Monuments R160.8 - R207.8 in Volusia County. The inlet contains the federally authorized Ponce De Leon Inlet navigation channel. DEP adopted the Ponce de Leon Inlet Management Study Implementation Plan in March 1997, which defined corrective measures to mitigate the adverse impacts of Ponce de Leon Inlet including establishing an average annual bypassing objective of 43,000 cubic yards. Maintenance dredging of the entrance channel was performed approximately every three years prior to 1989 with dredged material placed on the shoreline north of the inlet. Modification of the north jetty has stabilized the shoreline north of the inlet and future maintenance dredging events are anticipated to place material south of the inlet. The south jetty has been authorized for an extension of 1,000 feet and re-alignment with construction pending receipt of federal funding. The proposed feasibility study will recalculate the inlet sediment budget.

**FUNDS WILL BE USED FOR:**

Feasibility (IMP update).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$375,000	\$125,000	\$500,000

**NAME OF PROJECT:** South Lake Worth Inlet IMP Implementation

**LOCAL SPONSOR:** Palm Beach County

**LOCAL CONTACT:** Leanne Welch **PHONE:** (561) 233-2434

**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 Inlet Management Plan was adopted in March 1999, establishing a bypassing objective of 88,000 cubic yards annually with 60,000 cubic yards to be bypassed by the sand transfer plant (STP). In August 2002, the inlet sand trap was expanded. In 2011, the STP was reconstructed including conversion of the power plant from diesel to electric and increasing the size of the discharge pipe. A second expansion of the sand trap required the establishment of a seagrass mitigation site that was completed in June 2014. The sand trap expansion and sand bypassing event were completed in January 2015.

**FUNDS WILL BE USED FOR:**

Monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$90,000	\$30,000	\$120,000

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

**LOCAL SPONSOR:** Lee County

**LOCAL CONTACT:** Stephen Boutelle **PHONE:** (239) 533-8128

**PROJECT DESCRIPTION:**

The Blind Pass IMP project includes the development of an IMP study for Blind Pass in Lee County. The study will evaluate options and provide a recommendation for the ongoing management of Blind Pass and the adjacent Gulf shore beaches within its area of influence, approximately between DEP Monuments R-99 - R120. The study will be developed and utilized collaboratively by Lee County, the Captiva Erosion Prevention District and City of Sanibel. Staff has determined that the project is 100 percent eligible for state cost sharing.

**FUNDS WILL BE USED FOR:**

Feasibility (inlet management study).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$225,000	\$75,000	\$300,000

**NAME OF PROJECT:** Pass-a-Grille IMP Study

**LOCAL SPONSOR:** Pinellas County

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

**PROJECT DESCRIPTION:**

The Pass-a-Grille Inlet Management Study project consists of an inlet management study to include two inlets, Pass-a-Grille Channel and Bunces Pass, which are located in the southern half of Pinellas County between Pass-a-Grille and Fort De Soto Park on Mullet Key (DEP Monuments R166 - R168). These inlets are separated by the 1.6-mile wide Shell Key. This study will develop a sediment budget for Pass-a-Grille Channel and Bunces Pass, describe and quantify the circulation processes that link the inlets, evaluate inlet management alternatives and provide the scientific and modeling framework from which the State can develop an IMP. Only the Pass-a-Grille portion of the study is eligible for state cost reimbursement as an approved strategy listed in the Strategic Beach Management Plan (2015).

**FUNDS WILL BE USED FOR:**

Feasibility (inlet management study).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$91,500	\$108,500	\$200,000



**NAME OF PROJECT:** Boca Raton IMP Implementation

**LOCAL SPONSOR:** City of Boca Raton

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

**PROJECT DESCRIPTION:**

Boca Raton Inlet is located at DEP Monument R223 in Palm Beach County. The Boca Raton IMP was adopted in 1997. The plan established a bypassing objective of 71,300 cubic yards annually. In 2004, the bypassing objective was revised and increased to 83,000 cubic yards. The weir on the north jetty was extended 50 feet seaward to allow for the creation of a wider beach in conjunction with nourishment north of the inlet in 2004. In 2008, the wooden crib structure of the north jetty was rehabilitated with quarried rock. Bypassing activities occur annually using a City-owned dredge that bypasses sand to a fixed outfall located on the beach south of the inlet.

**FUNDS WILL BE USED FOR:**

Construction (bypassing) and annual monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$439,950	\$146,650	\$586,600

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

**LOCAL SPONSOR:** West Coast Inland Navigation District, Manatee County

**LOCAL CONTACT:**  
Justin McBride, West Coast Inland Navigation District  
Charles Hunsicker, Manatee County

**PHONE:**  
(941) 485-9402  
(941) 745-3727

**PROJECT DESCRIPTION:**

The Longboat Pass IMP project area consists of a federally authorized navigation channel located between the south end of Anna Maria Island and the north end of Longboat Key from DEP Monuments R41 - R42 in Manatee County. Inlet management studies were completed in 1993, 2008 and 2011, although no IMP has yet been adopted by DEP. Dredging of the flood shoal sand trap with placement on the north end of Longboat Key was completed in 2014. A study to determine the feasibility of extending the north jetty is proposed for FY 2016-17.

**FUNDS WILL BE USED FOR:**

Feasibility (jetty re-design study) and annual monitoring.

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$146,250	\$48,750	\$195,000

**NAME OF PROJECT:** Bakers-Haulover IMP Study

**LOCAL SPONSOR:** Miami-Dade County

**LOCAL CONTACT:** Brian Flynn **PHONE:** (305) 372-6850

**PROJECT DESCRIPTION:**

Bakers-Haulover Inlet, located between DEP Monuments R26 - R27 in Miami-Dade County, is a man-made inlet within a federally maintained navigation channel. DEP adopted the Bakers-Haulover Inlet Management Study Implementation Plan in September 1997, adopting a bypass objective of 26,700 cubic yards annually and recommending placement of all beach compatible maintenance dredged material on downdrift beaches in areas of greatest need or on updrift beaches if justified by monitoring data.

Extension of the south jetty was completed in 1975 during the Bal Harbour nourishment. Sand tightening and extension of the north jetty was completed in December 1986. Maintenance dredging of the navigation channel and the ebb shoal has been conducted periodically and the material is placed on the adjacent beaches. The last bypass event was completed in 2014. The proposed study will update the sediment budget, determine a bypass objective and investigate the potential for redesign of the north jetty to increase natural bypassing.

**FUNDS WILL BE USED FOR:**

Feasibility Study (IMP update).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$131,250	\$43,750	\$175,000

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

**LOCAL SPONSOR:** City of Mexico Beach

**LOCAL CONTACT:** Mell Smigielski                      **PHONE:** (850) 648-5700

**PROJECT DESCRIPTION:**

Mexico Beach Inlet, located between DEP Monuments R127A - R128 in Bay County, connects the Gulf of Mexico to a dredged basin and channel system. The City of Mexico Beach proposes to construct a mobile sand bypassing system to improve its current maintenance system and provide adequate sand bypassing around the inlet to the downdrift shoreline. Future improvements to the canal's jetty system would ensure the canal's longevity and usefulness.

**FUNDS WILL BE USED FOR:**

Design (jetty modifications and bypassing) and construction (discharge pipe replacement and bypassing).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$465,750	\$155,250	\$621,000

**NAME OF PROJECT:** Passage Key Inlet IMP Study

**LOCAL SPONSOR:** Manatee County

**LOCAL CONTACT:** Charlie Hunsicker **PHONE:** (941) 745-3727

**PROJECT DESCRIPTION:**

Passage Key Inlet is the southern pass in the entrance to Tampa Bay, south of Passage Key and north of Anna Maria Island, on the boundary of Hillsborough and Manatee counties. Dredging has been proposed in the ebb shoal and there is a need to evaluate the impact of dredging this borrow site.

**FUNDS WILL BE USED FOR:**

Feasibility (inlet management study.)

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$262,500	\$87,500	\$350,000

**NAME OF PROJECT:** Big Carlos Pass IMP Study

**LOCAL SPONSOR:** West Coast Inland Navigation District

**LOCAL CONTACT:** Justin McBride **PHONE:** (941) 485-9402

**PROJECT DESCRIPTION:**

The Big Carlos Pass IMP project proposes to develop an inlet management study for Big Carlos Pass located between DEP Monuments R210 - R211 between Estero Island to the north and Lovers Key to the south in Lee County. The ebb shoal of Big Carlos Pass has been previously authorized for dredging as a sand source for Lovers Key and Bonita Beach. The study will include inlet morphology modeling and evaluation of inlet channel sustainability, sediment budget analysis and inlet management strategies.

**FUNDS WILL BE USED FOR:**

Feasibility (inlet management study).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$109,500	\$36,500	\$146,000

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

**LOCAL SPONSOR:** Captiva Erosion Prevention District

**LOCAL CONTACT:** Kathy Rooker **PHONE:** (239) 472-2472

**PROJECT DESCRIPTION:**

The Redfish Pass Inlet Management Study area is located from DEP Monuments R82 - R83 between North Captiva Island and Captiva Island in Lee County. An Inlet Management Study was completed in 1995, although an IMP was not adopted by DEP. An update to the study is proposed to evaluate the current conditions, update the sediment budget and evaluate to potential use of ebb shoal complex as a borrow source for the adjacent beach project on Captiva Island.

**FUNDS WILL BE USED FOR:**

Feasibility (inlet management study).

<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
\$0	\$187,500	\$62,500	\$250,000