



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

PART I: GENERAL INFORMATION

Local Sponsor	St. Lucie County Erosion District		
Federal ID Number (FEID)	59-6000835		
Primary Contact Name	Joshua Revord	Title	Sr. Coastal Engineer
Mailing Address Line 1	3071 Oleander Ave.		
Mailing Address Line 2			
City	Fort Pierce, Florida	Zip Code	34982
Telephone Number	772-462-1269		
Email Address	revordjo@stlucieco.org		

Additional Contact Information

N/A

PART II: CERTIFICATION

I hereby certify that all information provided with this application is true and complete to the best of my knowledge.

Signature of Local Sponsor

Electronic or scanned signatures accepted.

Printed Name

Joshua Revord

Date

7-30-2021



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

PART III: EVALUATION CRITERIA

1. Project Name: (as listed in the Strategic Beach Management Plan)

Ft. Pierce Shore Protection Project

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

The Ft. Pierce Shore Protection project is an extension of a federally authorized project and consists of the restoration and maintenance of 2.3 miles of Atlantic shoreline in Ft. Pierce, St. Lucie County (R-34 through R-46). Initial restoration of the project area began in 1971 with the construction (718,000 cubic yards) of a 1.3-mile segment (R-34 through R-41) immediately south of the Ft. Pierce Inlet. Prior to the expiration of the federal project life (1985), a second restoration (346,000 c.y.) was completed in 1981. Later, Congress reauthorized (WRDA, 1996) the project life to the year 2020. Subsequently, WRDA 2018 provided for a six (6) year project life extension through November 2026. Since 1999, fifteen (15) shoreline nourishments were undertaken that included placement of approximately 5.6 million c.y. of beach compatible material. Eleven (11) of these events (5.15 million c.y.) included sand from an offshore shoal (Capron), one (1) event with sand (164,000 cy) from inlet maintenance dredging, two (2) emergency truck haul event with sand (62,700 c.y. (2011) & 81,000 c.y. (2020)) from upland sand sources, and one (1) event with beneficially used, beach quality sand (74,326 c.y.) dredged from the Atlantic Intracoastal Waterway (2017 F.I.N.D. Project). St. Lucie County currently anticipates the next Federal nourishment in winter 2022/spring 2023. The present long-term management plan for restoration of the entire 2.3-mile shoreline (R-34 through R-46) consists of sand placement in the original northern 1.3-mile segment, creating a natural feeder beach for the southerly one-mile extension.

The 2014 federal WRDA Bill provided local sponsors the ability to undertake various federal studies on their own. This is the case for the Ft. Pierce General Re-evaluation Report (GRR), which the County had taken full control of in order to expedite the completion. The draft GRR was submitted to the ASA's Office (Civil Works) in March of 2017 with the intent on providing justification for 1) a new 50-year federal project life and 2) shoreline structures along the northern segment of the beach to combat the high erosion rate. After multiple RAI's, meetings and discussions regarding the project, it was determined that the final version of the GRR report was to be approved as a new (modified) project under Section 203 of the Water Resources Development Act (WRDA) of 1986, as amended by Section 1014(a) of the Water Resources Reform and Development Act (WRRDA) of 2014 (33 U.S.C. § 2231). The final Section 203/GRR report was submitted to the Assistant Secretary of the Army (Civil Works) on June 7, 2018. This report then went on to be Congressionally approved in WRDA 2020. Currently, the County is waiting for USACE funding to transition the report into the Planning, Engineering, and Design (PED) phase. We anticipate a future cost share agreement with the USACE to transition the study into full Corps control.

The Fort Pierce Inlet Sand Trap (Phase I) project is currently in the bidding phase and the County will proceed accordingly.



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

3. Use of Requested Program Funds: Provide a brief description of tasks to be completed in each requested phase (Feasibility, Design, Construction, Monitoring, or USACE Multiphase). Indicate which tasks are cost reimbursement from previous fiscal years.

New Funding Requests:

Monitoring: Annual post-construction physical and biological monitoring (2023 event, including tilling) which is required by both FDEP/USACE permits.

4. Map: Provide as an attachment. The map(s) of the project area must be formatted at a minimum of 1" = 200' scale and include a compass rose and legend.

Map elements must include:

1. **Project boundary:** DEP reference monuments and shoreline designated as critically eroded
2. **Eligibility:** Indicate lengths of eligible shoreline based on criteria outlined in Chapter 62B-36.007, F.A.C.
 - a. **Beach access locations:** indicate primary or secondary access, and include the shoreline length, number and location of auto parking spaces, mass transit stops, bike parking spaces, and public restroom facilities within 1/4 mile walking distance of each access
 - b. **Public lodging establishments:** include the length fronting the project shoreline, and include the length of street-side frontage for lodging within 1/4 mile walking distance of a secondary beach access location
3. **Recreational benefits:** Comprehensive list of current land use designations of properties fronting the project shoreline
4. **Value of upland property:** Include one-quarter mile buffer and provide a comprehensive list of the values of properties (data from year 2020) that are enclosed or intersected by the buffer. The 2020 property value tax roll data and ArcGIS shapefiles can be obtained from the Department of Revenue website: https://floridarevenue.com/property/Pages/DataPortal_RequestAssessmentRollGISData.aspx. See Guidance Document for more information.

5. Project length: Total restored project length (in feet) of the critically eroded area (as listed in the Strategic Beach Management Plan).

7,045 Linear Feet



- **Location/Access Name:** Use the official name of the park or road that is associated with the public access.
- **DEP Reference Monument:** Use the DEP monument that is closest to the main public access location.
- **Type of Access:** Indicate Primary or Secondary beach access in accordance with the definitions in Chapter 62B-36, F.A.C.
- **Width of Access/Frontage:** The length of the legal boundary (in feet) of the public access or lodging along the beach project shoreline. For public lodging establishments that do not front the beach, indicate the street-side length of the legal property boundary (in feet) that is used as the main access to the establishment.
- **Number of Eligible Units:** A unit is defined as one automobile parking space, one rental unit in a public lodging establishment, one mass transit stop, or four bicycle parking spots.
- **Additional Width from Eligible Units:** Total distance (feet) added to the Width of Access/Frontage. If there are multiple types of eligibility units used for this calculation, show the calculation separately for each.
- **Total Eligible Shoreline:** Sum of the Width of Access/Frontage and Additional Width from Eligible Units columns. Eligible shorelines cannot overlap.
- **Website Link for DBPR License:** Provide the link to the Department of Business and Professional Regulation (DBPR) website for proof of licensure for any public lodging establishments used for eligibility or the Recreational Benefits ranking criteria.

[illegible]



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

- 7. Schedule and Budget:** Provide as a separate attachment, if needed. Clearly indicate project phase: Feasibility (F), Design (D), Construction (C), Monitoring (M), or USACE Multiphase (USACE). Include the year of post-construction monitoring in the description.
- **Cost Reimbursement:** Specify eligible costs incurred during the three years prior to the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed (this includes fiscal years 19/20, 20/21, and 21/22). Eligible costs will be added to the current funding request.
 - **Current and Future Costs:** Specify eligible costs for the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed as well as the estimated costs for the next 4 years. Note: If Construction costs are requested in the current fiscal year, then the Year 1 Post-Construction Monitoring costs will be added to the current funding request.

Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
19/20	N/A	N/A				
19/20	N/A	N/A				
19/20	N/A	N/A				
20/21	N/A	N/A				
20/21	N/A	N/A				
20/21	N/A	N/A				
21/22	N/A	N/A				
21/22	N/A	N/A				
21/22	N/A	N/A				
22/23	Monitoring	2023/24 Physical and Biological Monitoring/ Tilling	0	150,000	150,000	300,000
22/23						
22/23						
23/24	Monitoring	2024/25 Physical and Biological Monitoring/ Tilling	0	150,000	150,000	300,000
23/24	Construction	Structures/T-Groins (Federal Project/Section 203)	7,288,000	4,356,000	4,356,000	16,000,000
23/24	Construction	Beach Nourishment (Federal Project/Section 203)	4,555,000	2,722,500	2,722,500	10,000,000



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
24/25	Monitoring	2025/26 Physical and Biological Monitoring/ Tilling	0	175,000	175,000	350,000
24/25						
24/25						
25/26	Monitoring	2026/27 Physical and Biological Monitoring/ Tilling	0	175,000	175,000	350,000
25/26						
25/26						
26/27	Monitoring	2027/28 Physical and Biological Monitoring/ Tilling	0	175,000	175,000	350,000
26/27						
26/27						

8. Tourism-related impacts: Criteria is calculated by the Department using 2020 data. For reference, tax data can be obtained from the Department of Revenue website: https://floridarevenue.com/taxes/pages/colls_from_7_2003.aspx. See Guidance Document for more information.

- ☐ Current funding request includes construction and year one post-construction monitoring
- ☐ Project is managed by two or more counties

Additional comments

N/A; Monitoring Only

9. Federal involvement: The documentation to verify authorization, federal cost share percentage, and status of funding award must be provided with the application materials for the award of points.

Is the project Federally authorized by the USACE?

Authorization Year:

Expiration Year:

Does this project have a signed USACE Chief's report or Civil Works Congressional authorization for the requested phase?

USACE federal cost share percentage for this project (excluding FCCE):



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

Select all that apply for the requested project phase(s) and include documentation with application materials.

- ☐ Executed USACE project agreement
- ☐ Included in USACE work plan
- ☐ Approved FEMA Project Worksheet
- ☐ Included in Congressional Appropriations Act
- ☐ Other documentation:

10. Storm damage reduction benefits: Criteria is calculated by the Department.

What is the volume (cy) of advanced nourishment lost since the last sand placement event of a beach restoration or nourishment project as measured above the Mean High Water contour? Data should be consistent with the annual post-construction monitoring reports.

For restoration projects, what is the historical erosion rate?

11. Cost effectiveness: Criteria is calculated by the Department. A project design analysis and supporting documentation must be provided with the application materials for the award of points. See Guidance Document for more information.

What is the proposed sand placement volume (cy)?

What is the nourishment interval (years)?

Select all that apply for the current project funding request:

- ☐ Enhanced longevity: Propose structural or design components that could extend the beach nourishment interval
- ☐ Dune addition: Incorporate new or enhanced dune structures or new or existing dune restoration and revegetation projects
- ☐ Innovative technology: Propose innovative technologies designed to reduce project costs
- ☐ Regionalization: Two or more local sponsors manage projects together or projects propose regional sediment management strategies to conserve sand resources or reduce project costs

Additional comments
for storm damage
reduction benefits and
cost effectiveness



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

12. Previous state commitment

Has the Department previously reviewed, approved, and cost-shared on a feasibility or design phase for this project?

☐

Has the current proposed project phase(s) received a partial state appropriation within 3 years of phase completion?

☐

Additional comments

13. Accessible beach area: Criteria is calculated by the Department. Provide additional information for consideration.

Describe the landward and seaward edge of the accessible beach width

Provide the project boundaries (R-monuments)

Provide citations of reference sources

14. Recreational benefits: Provide the percentage of linear footage within the project boundaries which is zoned recreational or open space; for commercial use; or to allow for public lodging establishment, or the equivalent. Provide additional documentation and DBPR website link in a separate attachment, if needed.

15. Mitigation of inlet effects: Criteria is calculated by the Department.

Additional comments

16. Successive unfunded requests

Is the current proposed project phase(s) a successive, unfunded request? If so, how many years of successive request(s) is the current application?

Does the successive request add the construction phase?



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

17. Environmental habitat enhancement: Criteria is calculated by the Department. See Guidance Document for more information.

Is the project within a designated critical habitat area for threatened or endangered species that is subject to extensive shoreline armoring?

Is the project within a non-designated area where extensive shoreline armoring threatens the habitat of threatened or endangered species?

If yes to either of the above, does the project exceed best management practices to incorporate turtle-friendly designs and management strategies to protect resources or benefit critical habitat preservation?

Provide an explanation and supporting documentation for the strategies which exceed best management practices

18. Readiness to construct

Does the project have an active state permit?

Does the project have an active federal permit?

Permit number

Permit number

Authorization date

Authorization date

Expiration date

Expiration date

Have all necessary easements been acquired for the upcoming or proposed construction phase?

Has the necessary local funding been secured for the proposed project? If so, provide a copy of the draft Resolution. The signed Resolution is due by September 21, 2021.

Is an Erosion Control Line established along the project length?

Additional comments for readiness to construct



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

Provide additional information and comments below or attach supporting documents.

10-YEAR COMPREHENSIVE BEACH MANAGEMENT PROJECT LIST - ST. LUCIE COUNTY
(Fiscal Years 2022 - 2032)

Recommended Plan Elements	Estimated Ten (10) Year Total Cost	Estimated Five (5) Year County Cost	Estimated Ten (10) Year County Cost	Fiscal Year 2022/23			Fiscal Year 2023/24			Fiscal Year 2024/25			Fiscal Year 2025/26			Fiscal Year 2026/27			Fiscal Year 2027/32		
				Estimated County Share	Estimated State Share	Estimated Federal Share	Estimated County Share	Estimated State Share	Estimated Federal Share	Estimated County Share	Estimated State Share	Estimated Federal Share	Estimated County Share	Estimated State Share	Estimated Federal Share	Estimated County Share	Estimated State Share	Estimated Federal Share	Estimated County Share	Estimated State Share	Estimated Federal Share
<i>Ft. Pierce 1.3-Mile Beach Project</i> ⁽¹⁾																					
Section 203 Report Post-Authorization (NEPA, Environmental) ⁽²⁾ - FDEP Grant 20SL1	\$0	\$0	\$0																\$0	\$0	\$0
Construction Oversight	\$150,000	\$50,000	\$75,000				\$50,000	\$50,000											\$25,000	\$25,000	\$0
<i>Shoreline Stabilization Alternatives</i>																					
Design & Permitting (Structures /T-groins) ^(4a) - FDEP Grant 20SL1	\$0	\$0	\$0																\$0	\$0	\$0
Design & Permitting - Section 111 (LRR) ⁽³⁾	\$100,000	\$0	\$50,000																\$50,000	\$50,000	\$0
Structure/ T-Groin Construction (concurrent w/Nourishment) ^{(4)(5)(5b)}	\$16,300,000	\$4,356,000	\$4,506,000				\$4,356,000	\$4,356,000	\$7,288,000										\$150,000	\$150,000	\$0
Emergency Truck Haul Project (Fall 2019/Spring 2020) ^(5a)	\$0	\$0	\$0																\$0	\$0	\$0
Long Term Beach Monitoring (Physical and Biological) - Including Required Tilling	\$3,400,000	\$825,000	\$1,700,000	\$150,000	\$150,000		\$150,000	\$150,000		\$175,000	\$175,000		\$175,000	\$175,000		\$175,000	\$175,000		\$875,000	\$875,000	\$0
Long Term Beach Maintenance-Renourishment ^{(6)(6)(5b)}	\$22,000,000	\$2,722,500	\$6,620,100				\$2,722,500	\$2,722,500	\$4,555,000										\$3,897,600	\$3,897,600	\$4,204,800
SUB-TOTAL	\$41,950,000	\$7,953,500	\$12,951,100	\$150,000	\$150,000	\$0	\$7,278,500	\$7,278,500	\$11,843,000	\$175,000	\$175,000	\$0	\$175,000	\$175,000	\$0	\$175,000	\$175,000	\$0	\$4,997,600	\$4,997,600	\$4,204,800
<i>Inlet Management Plan Sand By-Passing (Inlet Sand Trap)</i> ⁽⁷⁾																					
Construction (Phase 1) - Engineering - FDEP Grant 18SL1	\$0	\$0	\$0																\$0	\$0	\$0
Construction (Phase 1) - Monitoring - FDEP Grant 18SL1	\$0	\$0	\$0																\$0	\$0	\$0
Construction (Phase 1) - Inlet Sand Trap w/Mitigation Reef ^{7B} - Partial, FDEP Grant 18SL1	\$1,440,000	\$360,000	\$360,000	\$360,000	\$1,080,000														\$0	\$0	\$0
Design & Permitting (Phase 2) - Inlet Sand Trap	\$200,000	\$50,000	\$50,000							\$50,000	\$150,000								\$0	\$0	\$0
Construction (Phase 2) - Inlet Sand Trap (assumes 75% cost share)	\$8,000,000	\$2,000,000	\$2,000,000										\$2,000,000	\$6,000,000					\$0	\$0	\$0
Long Term Inlet Monitoring (Physical/ Biological) - FDEP Grant 20SL2 (Y1) / New Grant (Y2)	\$1,565,000	\$232,500	\$732,500	\$27,500	\$27,500		\$27,500	\$27,500		\$27,500	\$27,500		\$50,000	\$150,000		\$100,000	\$100,000		\$500,000	\$500,000	\$0
Long Term Operation & Maintenance ^(7A) (assumes 50% cost share)	\$12,000,000	\$2,000,000	\$6,000,000				\$1,000,000	\$1,000,000					\$1,000,000	\$1,000,000					\$4,000,000	\$4,000,000	\$0
Spur Jetty Repairs - Post Irma ⁽⁸⁾	\$0	\$0	\$0																\$0	\$0	\$0
SUB-TOTAL	\$23,205,000	\$4,642,500	\$9,142,500	\$387,500	\$1,107,500	\$0	\$1,027,500	\$1,027,500	\$0	\$77,500	\$177,500	\$0	\$3,050,000	\$7,150,000	\$0	\$100,000	\$100,000	\$0	\$4,500,000	\$4,500,000	\$0
<i>South County Beach Restoration</i> ⁽⁹⁾																					
Federal Feasibility Phase/Studies (50%cost share w/Corps)	\$0	\$0	\$0																\$0	\$0	\$0
Design & Permitting (Federal SPP)	\$100,000	\$0	\$56,510																\$56,510	\$43,490	\$0
Construction Oversight ^(9a)	\$0	\$0	\$0																\$0	\$0	\$0
Perpetual Easements (Ongoing Effort)	\$0	\$0	\$0																\$0	\$0	\$0
Long Term Beach Monitoring (USACE Federal Project) ⁽¹¹⁾ - Future FDEP Grants	\$1,320,000	\$745,932	\$745,932	\$248,644	\$191,356		\$248,644	\$191,356		\$248,644	\$191,356								\$0	\$0	\$0
Annual Beach Profiles (2013 Project)	\$0	\$0	\$0																\$0	\$0	\$0
Annual Beach Profiles (2021 Federal Project)	\$315,000	\$64,571	\$230,859										\$45,000			\$19,571	\$25,430		\$166,289	\$58,712	\$0
Future Federal Beach Maintenance-Renourishment ⁽¹⁰⁾ - FDEP Grants 19SL4 & 20SL3	\$0	\$0	\$0																\$0	\$0	\$0
Public Beach Access Easements - Init. Const./Future Maintenance ⁽¹²⁾ - FDEP Grant 18SL2	\$0	\$0	\$0																\$0	\$0	\$0
SUB-TOTAL	\$1,735,000	\$810,502	\$1,033,301	\$248,644	\$191,356	\$0	\$248,644	\$191,356	\$0	\$248,644	\$191,356	\$0	\$45,000	\$0	\$0	\$19,571	\$25,430	\$0	\$222,799	\$102,202	\$0
<i>Emergency Maintenance</i>																					
Beach & Dune Upland Sand Source Contract(s)	\$150,000	\$90,000	\$150,000	\$30,000						\$30,000						\$30,000			\$60,000	\$0	\$0
SUB-TOTAL	\$150,000	\$90,000	\$150,000	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000	\$0	\$0	\$60,000	\$0	\$0
<i>Inlet Spur Jetty</i>																					
Long Term Maintenance	\$125,000	\$75,000	\$125,000	\$25,000						\$25,000						\$25,000			\$50,000	\$0	\$0
SUB-TOTAL	\$125,000	\$75,000	\$125,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$50,000	\$0	\$0
ANNUAL TOTAL COST	\$67,165,000	\$13,571,502	\$23,401,901	\$841,144	\$1,448,856	\$0	\$8,554,644	\$8,497,356	\$11,843,000	\$556,144	\$543,856	\$0	\$3,270,000	\$7,325,000	\$0	\$349,571	\$300,430	\$0	\$9,830,399	\$9,599,802	\$4,204,800

(1) Project Cost Share: Federal (77.76%), Non-Federal (22.24%) - State typically provides 50% of the non-federal share (11.12%, County = 11.12% State). Existing cost share good thru November 2026 or until new Section 203 project authorization and construction, whichever comes first?

(2) Anticipated cost to address outstanding comments and NEPA/Environmental requirements associated with the Section 203 Report. Recent conversations with Jacksonville/ASA's offices suggest a cost share agreement for the PED phase of project development (FDEP Grant 21SL1 - Design Funding)

(3) Improved cost share may be possible through a Limited Reevaluation Report (LRR), under a new 50 year project life. Preliminary discussions with Jacksonville USACE indicate possibility; effort likely after Congressional Authorization is achieved (Spring 2022). Unknown as to whether or not the improvement can be attained before new design structure implementation (23/24). FDEP Grant 20SL1

(4) Anticipated construction cost for T-Groin structures based on cost estimate provided in the final Section 203 Report submitted to the ASA's office June 7, 2018.

(4a) State permitting to begin as soon as final Congressional Authorization is attained and outstanding Section 203 comments are addressed.

(5) Assuming future beach projects are under existing Federal cost share until reauthorization (see note 1). Federal participation associated with a new 50 year project @ 45.55%, Non-Federal @ 54.45%; Section 111 benefits NOT recognized in final Section 203 report (per ASA determination). Recurring Federal Renourishments after initial construction @35.04% Federal, 64.96% Non-Federal. State funding possible up to 50% of the non federal share. See note 6 for more information.

(5a) Emergency truck haul initiated March 2020 @ 100% County expense. 50% State reimbursement included in future Grant approved FY 21-22.

(5b) Section 203 Congressional Authorization in 2020. Resolve NEPA and Final Report with ASA by 2022. State permitting effort to follow as soon as possible.

(6) Cost estimates for future projects are based on 500,000 c.y. nourishments each - Actual size and cost will be dependent on need and/or Federal appropriations.

(7) Construction of the Phase 1 Sand Trap (60,000 cy trap) anticipated to begin Summer/Fall 2021.

(7a) Future inlet maintenance efforts may be subject to a 50% Local / 50% State cost share. Staff assumes future State funds for future inlet efforts will be secured but cannot guarantee this will be the case.

(7b) Cost of construction will likely be more than original estimate. 75% of the additional cost could be state cost shared in the future, pending successful LGFR application and State appropriation.

(8) Project was completed FY 2018/19. Status of future FEMA reimbursement pending....

(9) The 2013 non-federal Project cost share: State (43.49%), Local (56.51%). Project now Federally Authorized via WRDA 2018 (Preliminary Federal Cost Share @ 35%, Local @ 65%); Future Nourishment (27% Federal; 73% non-Federal). Additional funding option has been made available (South Hutchinson Island MSTU).

(9a) Construction oversight for FDEP compliance included in FDEP Grant 19SL4 and 20SL3.

(10) Initial Federal nourishment costs (\$22,803,000) identified in the Draft PPA dated 11/1/2018 (distributed to County January 2019). Cost further refined, and Non-Federal share due August 4, 2021.

(11) Post -Construction Biological/Physical Monitoring Per GEC. Anticipate three (3) years of post-construction monitoring (Draft PPA to include WIK Credit for post-construction monitoring). Assuming State funding @43.49% but cannot guarantee this will be the case. To date, sufficient funds in FDEP Grant 20SL3 (No 2022/2023 LGFR request needed).

(12) This effort was postponed due to the lack of participation.

RESOLUTION 2021-316

A RESOLUTION OF THE ST. LUCIE COUNTY EROSION DISTRICT AUTHORIZING THE SUBMITTAL OF AN APPLICATION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR FISCAL YEAR 2022/23 FUNDS UNDER THE FLORIDA BEACH MANAGEMENT FUNDING ASSISTANCE PROGRAM; SETTING FORTH FINDINGS; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the St. Lucie County Erosion District ("District") and the Florida Department of Environmental Protection ("FDEP") have adopted the Fort Pierce Inlet Management Plan and desires to implement the recommendations contained therein; and,

WHEREAS, the District has established a Long-Range Budget Plan for the Florida Beach Management Funding Assistance Program and desires to implement specific projects contained therein; and,

WHEREAS, under the provisions of Section 161.101, Florida Statutes, FDEP accepts and processes applications for the Florida Beach Management Funding Assistance Program; and,

WHEREAS, under the Program guidelines of the Florida Beach Management Funding Assistance Program, the District is required to submit a supporting resolution with their application request.

NOW, THEREFORE, BE IT RESOLVED by the St. Lucie County Erosion District as follows:

1. FDEP is requested to approve and support the maximum State funding allowed for this application request for Fiscal Year 2022/23. The District will provide the required local share in accordance with the State Legislature's appropriation.
2. This Resolution shall take effect immediately upon its adoption.

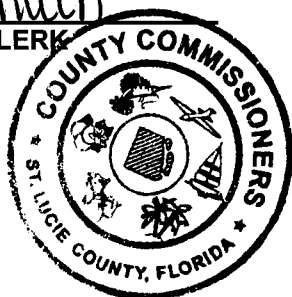
AFTER MOTION AND SECONDED, the vote on this Resolution was as follows:

Chair Frannie Hutchinson	AYE
Vice-Chair Cathy Townsend	AYE
Commissioner Linda Bartz	AYE
Commissioner Chris Dzadovsky	AYE
Commissioner Sean Mitchell	AYE

PASSED AND DULY ADOPTED this 27 day of July, 2021.

ATTEST:


DEPUTY CLERK

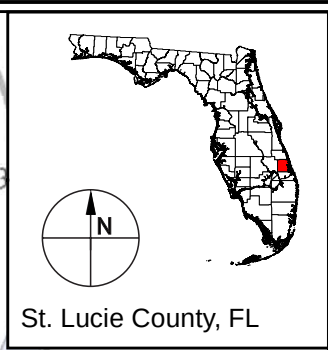
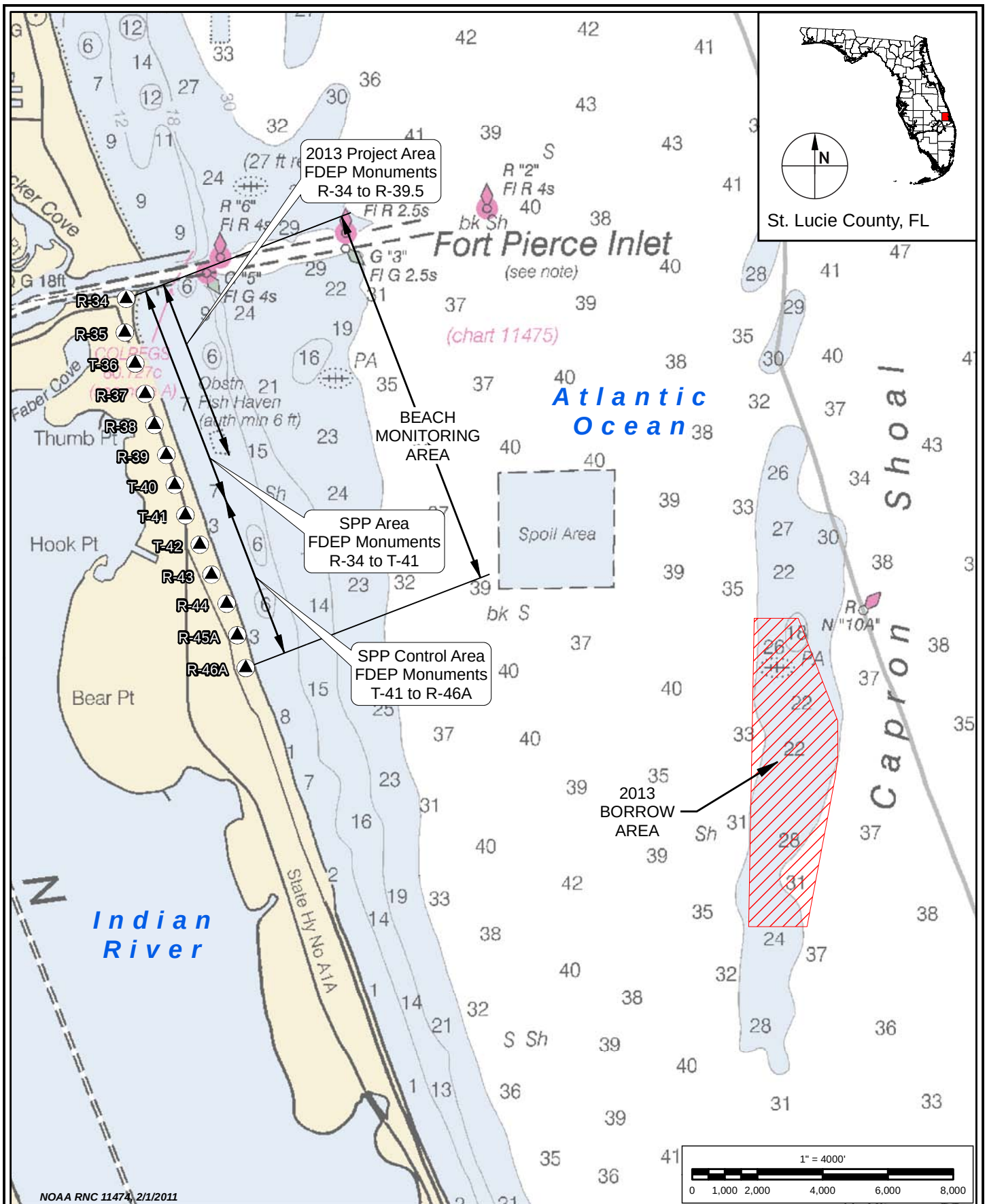


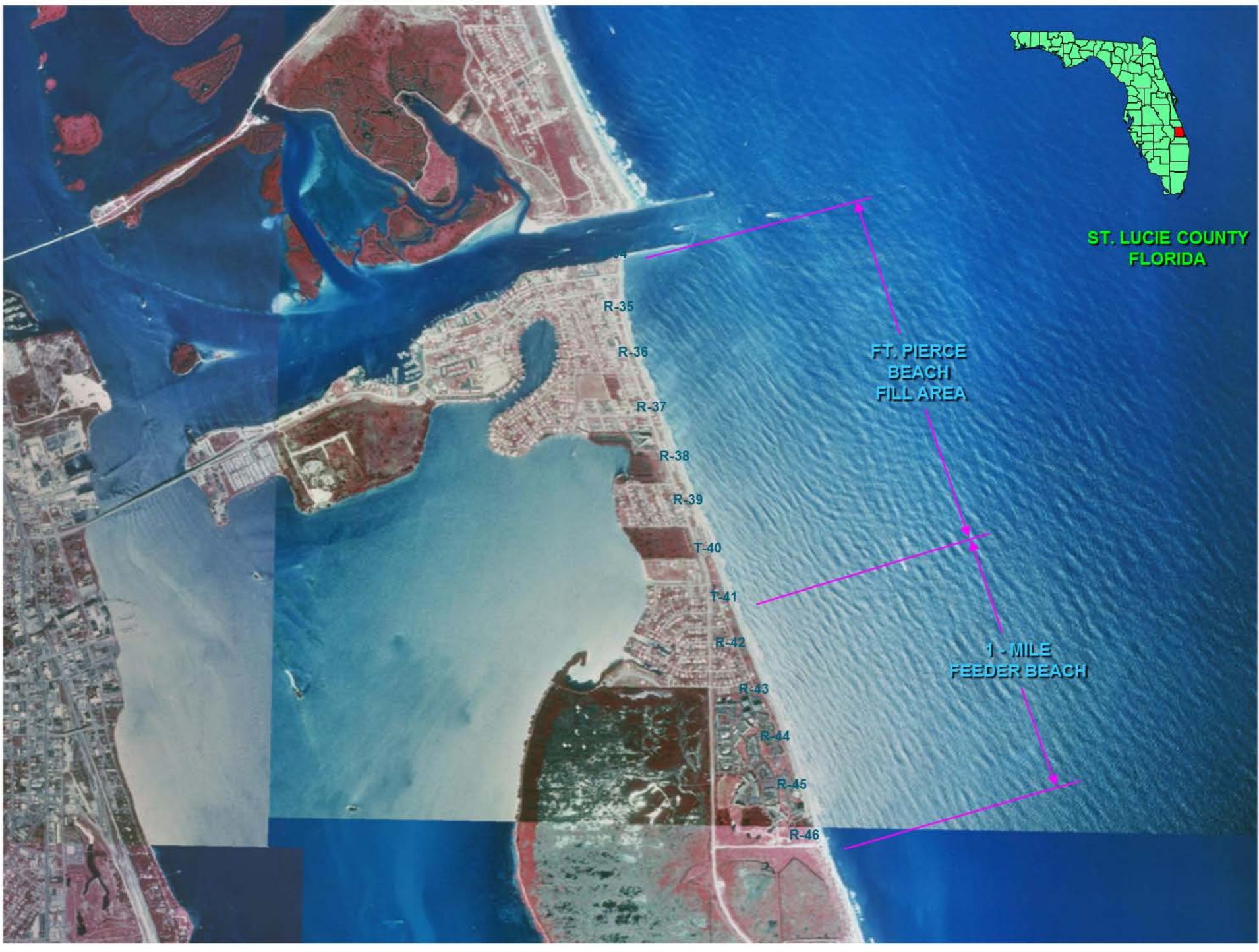
ST. LUCIE COUNTY EROSION DISTRICT

BY: 
CHAIR

APPROVED AS TO FORM AND
CORRECTNESS:

BY: 
COUNTY ATTORNEY





ST. LUCIE COUNTY
FLORIDA

FT. PIERCE
BEACH
FILL AREA

1 - MILE
FEEDER BEACH

R-34

R-35

R-36

R-37

R-38

R-39

T-40

T-41

R-42

R-43

R-44

R-45

R-46



Beach Access Points

Ft. Pierce Beach

Legend

- Range Monuments
- Public Beach Access

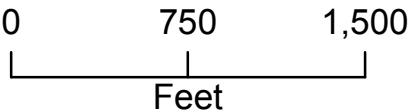
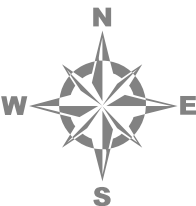
Ft. Pierce Zoning

- GENERAL COMMERCIAL
- GENERAL RECREATIONAL OPEN SPACE
- HUTCHINSON ISLAND RESIDENTIAL DISTRICT
- HUTCHINSON ISLAND MEDIUM DENSITY RESIDENTIAL
- PLANNED UNIT REDEVELOPMENT
- SINGLE FAMILY INTERMEDIATE DENSITY
- SINGLE FAMILY LOW DENSITY
- SINGLE FAMILY MODERATE DENSITY
- TOURIST COMMERCIAL

Project Boundary (beach placement area): 170 feet north of R34 to R41

Project Boundary (beach management area): 170 feet north of R34 to R46

State's Critical Erosion Designation: R34 to R46



Data source: City of Ft. Pierce Zoning, 2013 & FDEP, 2012.

St. Lucie County makes no warranty, representation or guaranty as to the content, sequence, accuracy, timeliness, or completeness of any of the geodata information provided herein. St. Lucie County explicitly disclaims any representations and warranties, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose. St. Lucie County shall assume no liability for: 1. Any errors, omissions, or inaccuracies in the information provided regardless of how caused; or 2. Any decision made or action taken or not taken by any person in reliance upon any information or data furnished hereunder.

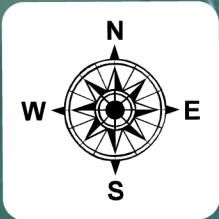
Map prepared August 16, 2013.





Ft. Pierce Inlet and Adjacent Beaches

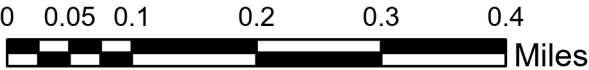
Fort Pierce Shore Protection Project - Property Values (1.3 mi)



- ECL 1.3 mi From South Jetty
- Parcels 1.3 mi From South Jetty
- Impacted Area 1.3 mi From South Jetty

Building Value	Land Value	SFYI Value	Total Appraised Value
\$128,936,000.00	\$83,688,600.00	\$2,008,100.00	\$214,632,700.00

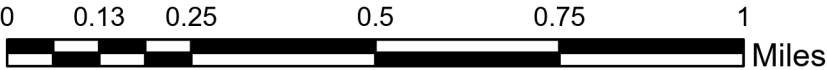
Community Maps Contributors: FDEP, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, State of Florida, GeoEye, Maxar, Microsoft



Fort Pierce Shore Protection Project - Property Values (2.3 mi)



Building Value	Land Value	SFYI Value	Total Appraised Value
\$383,317,200.00	\$121,018,849.00	\$3,390,100.00	\$507,726,149.00



**ATTACHMENT B
FUNDING ELIGIBILITY
FT. PIERCE SHORE PROTECTION PROJECT**

Project Boundary: Approximately 170 feet north of R34 to R41.

Approximate Shoreline Length: 7045 FEET

Public Access

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total parking spaces/units	Additional width from eligibility Units	Total Eligible shoreline (ft)
South Jetty Park	R34	Primary	454	100	2,640	3,094
South Beach Park/ Kimberly Bergalis Park/Surfside Park	R38 –R41	Primary	3,050	100	901	3,951
TOTAL						7,045

Total eligible shoreline length: 7,045 FEET

Total project shoreline length: 7,045 FEET

Percent eligible for State funding: 100 PERCENT

State Cost Share: 50 PERCENT

AMENDMENT NUMBER 2
TO THE
PROJECT COOPERATION AGREEMENT
BETWEEN
THE DEPARTMENT OF THE ARMY
AND
THE ST. LUCIE COUNTY EROSION DISTRICT
FOR CONSTRUCTION OF THE
FORT PIERCE SHORE PROTECTION PROJECT
ST. LUCIE COUNTY, FLORIDA

This Amendment Number 2 is entered into this 20th day of August, 2020, by and between the Department of the Army (hereinafter the "Government"), represented by the District Commander for Jacksonville District (hereinafter the "District Commander") and the St. Lucie County Erosion District (hereinafter the "Non-Federal Sponsor"), represented by its Chair.

WITNESSETH, THAT:

WHEREAS, on September 3, 1998, the Government and the Non-Federal Sponsor entered into a Project Cooperation Agreement (hereinafter the "Agreement") to extend federal participation in periodic nourishment of the Fort Pierce Shore Protection Project (hereinafter the "Project", as defined in Article I.A. of the Agreement);

WHEREAS, on August 17, 2008, the Government and the Non-Federal Sponsor amended the Agreement to adjust cost sharing due to the erosion impacts of the Fort Pierce Inlet Federal navigation project;

WHEREAS, in accordance with the Agreement, the Fort Pierce Shore Protection Project was initially constructed in 1970, and the authorized periodic nourishment period was set to expire in the year 2020;

WHEREAS, Section 1158 of the Water Resources Development Act of 2018, Public Law 115-270, amended Section 156(e) of the Water Resources Development Act of 1976, Public Law 94-587 (42 U.S.C. 1962d-5f(e)), to extend eligibility for the automatic 6-year extension of the maximum period of federal financial participation in periodic nourishment directed by subsection (a) of the statute to projects whose maximum period is set to expire between June 10, 2019 and June 10, 2024;

WHEREAS, Federal participation in the Fort Pierce Shore Protection Project may be extended an additional 6 years because its maximum period of federal financial participation in periodic nourishment is set to expire in the year 2020;

WHEREAS, pursuant to Section 221(a)(4) of the Flood Control Act of 1970, as amended (42 U.S.C. 1962d-5b(a)(4)), a partnership agreement may provide for a non-Federal interest to receive credit toward the non-Federal share of the cost of the project for the value of in-kind contributions made by the non-Federal interest; and

WHEREAS, the Government and the Non-Federal Sponsor desire to further amend the Agreement to reflect that the Project remains eligible for periodic nourishment until 2026, and to add provisions to allow the Government to afford credit toward the non-Federal share of project costs for the value of in-kind contributions.

NOW, THEREFORE, the Government and the Non-Federal Sponsor agree to further amend the Agreement as follows:

1. Replace all occurrences of "District Engineer" with "District Commander".

2. Insert after the third WHEREAS clause the following:

"WHEREAS, Section 1158 of the Water Resources Development Act of 2018, Public Law 115-270, amended Section 156(e) of the Water Resources Development Act of 1976, Public Law 94-587 (42 U.S.C. 1962d-5f(e)), to extend eligibility for the automatic 6-year extension of the maximum period of federal financial participation in periodic nourishment directed by subsection (a) of the statute to projects whose maximum period is set to expire between June 10, 2019 and June 10, 2024;"

3. Insert after the sixth WHEREAS clause the following:

"WHEREAS, pursuant to Section 221(a)(4) of the Flood Control Act of 1970, as amended (42 U.S.C. 1962d-5b(a)(4)), a partnership agreement may provide for a non-Federal interest to receive credit toward the non-Federal share of the cost of the project for the value of in-kind contributions made by the non-Federal interest;"

4. Replace Article I.B. with the following:

"B. The term "total project costs" shall mean all costs incurred by the Non-Federal Sponsor and the Government in accordance with the terms of this Agreement directly related to periodic nourishment of the Project. Subject to the provisions of this Agreement, the term shall include, but is not necessarily limited to: continuing planning and engineering costs incurred

after October 1, 1985; advanced engineering and design costs; preconstruction engineering and design costs; engineering and design costs during construction; the costs of investigations to identify the existence and extent of hazardous substances in accordance with Article XV.A. of this Agreement; costs of historic preservation activities in accordance with Article XVIII.A. of this Agreement; actual construction costs, including the costs of alteration, lowering, raising, or replacement and attendant removal of existing railroad bridges and approaches thereto; supervision and administration costs; costs of participation in the Project Coordination Team in accordance with Article V of this Agreement; costs of contract dispute settlements or awards; the value of lands, easements, rights-of-way, relocations, suitable borrow and dredged or excavated material disposal areas and for providing in-kind contributions, if any, for which the Government affords credit in accordance with Article IV of this Agreement; and costs of audit in accordance with Article X of this Agreement; and surveillance costs. The term does not include any costs for operation, maintenance, repair, replacement, or rehabilitation; any costs due to betterments; or any costs of dispute resolution under Article VII of this Agreement. The term "total costs of periodic nourishment" shall mean that portion of total project costs allocated by the Government to periodic nourishment."

5. Replace Article I.D. with the following:

"D. The term "authorized periodic nourishment period" shall mean the authorized Federal participation in the periodic nourishment of the Project for a period of 56 years from 1970, the date of initiation of initial construction. This period will end in the year 2026."

6. Insert after Article I.M. the following new Article I.N.:

"N. The term "in-kind contributions" means those materials or services provided by the Non-Federal Sponsor that are identified as being integral to the Project by the Division Commander for South Atlantic Division (hereinafter the "Division Commander"). To be integral to the Project, the material or service must be part of the work that the Government would otherwise have undertaken for design and construction of the Project. The in-kind contributions also include any investigations performed by the Non-Federal Sponsor to identify the existence and extent of any hazardous substances that may exist in, on, or under real property interests required for the Project."

7. In the first sentence in Article II.A.3., replace "\$59,014,500" with "\$100,778,000".

8. Replace Article II.E.2. and Article II.E.3. with the following:

"2. If the Government projects that the value of the Non-Federal Sponsor's contributions under paragraph E. 1. of this Article, Article IV.F., and Articles V, X, and XV.A. of this Agreement will be less than its required share of total projects costs, the Non-Federal Sponsor shall provide an additional cash contribution, in accordance with Article VI.B. of this Agreement, in the amount necessary to make the Non-Federal Sponsor's total contribution equal its required share of total project costs.

3. If the Government determines that the value of the Non-Federal Sponsor's contributions provided under paragraphs E. 1. and E.2. of this Article and, Article IV.F., Articles V, X, and XV.A. of this Agreement has exceeded its required share of total project costs, the Government subject to the availability of funds, shall reimburse the Non-Federal Sponsor for any such value in excess of its required share of total project costs. After such a determination, the Government, in its sole discretion, may provide any remaining Project lands, easements, rights-of-way, and suitable borrow and dredged or excavated material disposal areas and perform any remaining Project relocations on behalf of the Non-Federal Sponsor.”

9. Insert after Article II.E.3. the following new Article II.E.4.:

“4. In providing in-kind contributions, if any, the Non-Federal Sponsor shall obtain all applicable licenses and permits necessary for such work. As functional portions of the work are completed, the Non-Federal Sponsor shall begin operation and maintenance of such work. Upon completion of the work, the Non-Federal Sponsor shall so notify the Government within 30 calendar days and provide the Government with a copy of as-built drawings for the work.”

10. Replace Article II.G. with the following:

“G. For each iteration of periodic nourishment, the Government shall perform a final accounting in accordance with Article VI.D. of this Agreement to determine the contributions provided by the Non-Federal Sponsor in accordance with paragraphs B., E., and F. of this Article , Article IV.F., and Articles V, X, and XV.A. of this Agreement and to determine whether the Non-Federal Sponsor has met its obligations under paragraphs B., E., and F. of this Article.”

11. Replace the first sentence in Article II.Q. with the following:

“Q. As of the effective date of Amendment Number 2, \$45,913,935 of Federal funds have been appropriated for the Project.”

12. Replace the heading of Article IV. with the following:

“ARTICLE IV - CREDIT FOR REAL PROPERTY INTERESTS, PLACEMENT AREA IMPROVEMENTS, RELOCATIONS, AND IN-KIND CONTRIBUTIONS”

13. Replace Article IV.A. with the following:

“A. The Non-Federal Sponsor shall receive credit toward its share of total project costs for the value of the lands, easements, rights-of-way, and suitable borrow and dredged or excavated material disposal areas that the Non-Federal Sponsor must provide pursuant to Article III of this Agreement, for the value of the relocations that the Non-Federal Sponsor must perform or for which it must ensure performance pursuant to Article III of this Agreement, and the costs of in-kind contributions pursuant to Article IV.F. However, the Non-Federal Sponsor shall not receive credit for the value of any lands, easements, rights-

of-way, relocations, or borrow and dredged or excavated material disposal areas that have been provided previously as an item of cooperation for another Federal project. The Non-Federal Sponsor also shall not receive credit for the value of lands, easements, rights-of-way, relocations, or borrow and dredged or excavated material disposal areas to the extent that such items are provided using Federal funds unless the Federal granting agency verifies in writing that such credit is expressly authorized by statute."

14. Insert after Article IV.E. the following new Article IV.F.:

"F. In-Kind Contributions. The Government shall include in total project costs and credit towards the Non-Federal Sponsor's share of such costs, the value of in-kind contributions that are integral to the Project.

1. The value shall be equivalent to the costs, documented to the satisfaction of the Government, that the Non-Federal Sponsor incurred to provide the in-kind contributions. Such costs shall include, but not necessarily be limited to, actual costs of providing the in-kind contributions; engineering and design costs; supervision and administration costs; and documented incidental costs associated with providing the in-kind contributions, but shall not include any costs associated with betterments, as determined by the Government. Appropriate documentation includes invoices and certification of specific payments to contractors, suppliers, and the Non-Federal Sponsor's employees.

2. No credit shall be afforded for interest charges, or any adjustment to reflect changes in price levels between the time the in-kind contributions are completed and credit is afforded; for the value of in-kind contributions obtained at no cost to the Non-Federal Sponsor; or for costs that exceed the Government's estimate of the cost for such in-kind contributions if they had been provided by the Government."

15. Replace Article VI.A. with the following:

"A. The Government shall maintain current records of contributions provided by the parties and current projections of total project costs and costs due to betterments. At least quarterly, the Government shall provide the Non-Federal Sponsor with a report setting forth all contributions provided to date and the current projections of total project costs, of total costs due to betterments, of the components of total project costs, of each party's share of total project costs, of the Non-Federal Sponsor's total cash contributions required in accordance with Articles II.B., II.E., and II.F. of this Agreement, of the non-Federal proportionate share, and of the funds the Government projects to be required from the Non-Federal Sponsor for the upcoming fiscal year. On the effective date of Amendment Number 2 to this Agreement, total project costs are projected to be \$100,778,000, the Non-Federal Sponsor's cash contribution required under Article II.E. of this Agreement is projected to be \$27,966,000, and the Non-Federal Sponsor's creditable in-kind contributions are projected to be \$2,180,000. Such amounts are estimates subject to adjustment by the Government and are not to be construed as the total financial responsibilities of the Government and the Non-Federal Sponsor."

16. All other terms and conditions of this Agreement, as amended, remain unchanged.

IN WITNESS WHEREOF, the Parties hereto have executed this Amendment Number 2, which shall become effective upon the date it is signed by the District Commander.

DEPARTMENT OF THE ARMY

ST. LUCIE COUNTY EROSION DISTRICT

BY: _____

Andrew D. Kelly
Colonel, U.S. Army
District Commander

BY: _____

Frannie Hutchinson
Chair

DATE: _____

8/20/20

DATE: _____

August 18, 2020

APPROVED AS TO FORM
AND CORRECTNESS

COUNTY ATTORNEY

ATTEST:

DEPUTY CLERK

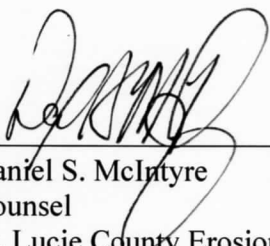


CERTIFICATE OF AUTHORITY

I, Daniel S. McIntyre, do hereby certify that I am the principal legal officer for the St. Lucie Erosion Control District, that the St. Lucie Erosion Control District is a legally constituted public body with full authority and legal capability to perform the terms of Amendment Number 2 to the Project Cooperation Agreement between the Department of the Army and the St. Lucie Erosion Control District in connection with the Fort Pierce Shore Protection Project and to pay damages, if necessary, in the event of the failure to perform in accordance with the terms of this Amendment Number 2, as required by Section 221 of Public Law 91-611, as amended (42 U.S.C. 1962d-5b), and that the person who executed this Amendment on behalf of the St. Lucie Erosion Control District acted within her statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification this

18 day of August 2020.



Daniel S. McIntyre
Counsel
St. Lucie County Erosion District

CERTIFICATION REGARDING LOBBYING

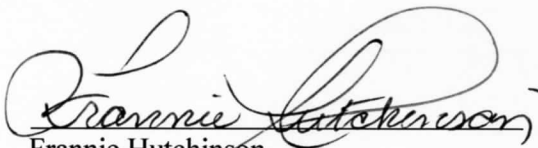
The undersigned certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.



Frannie Hutchinson

Chair

St. Lucie County Erosion District

DATE: August 18, 2020