

Bathtub Beach & Sailfish Point Beach Restoration

Category Non-Concurrency
Project Number 20720
Location Hutchinson Island
District Countywide

Project Limits Coastal Beach along Bathtub Beach and Sailfish Point

Related Projects St. Lucie Inlet/Resilience
Lead Dept/Division Public Works/Coastal Management
Year Project Initiated 2015

Project Life Cycle 2 Years

Resilience Requirements ☒ 2040 Vulnerability ☒ 2070 Vulnerability ☒ 2100 Vulnerability



DESCRIPTION

The project is designed as a long term, proactive effort to protect valuable upland infrastructure and human health and safety. The project covers approximately 1 mile of beach. Periodic nourishment projects will be required to maintain the project by restoring the beach and dune system. Education efforts will keep the public informed of the status and performance of this project. Environmental monitoring is performed annually.

BACKGROUND

Bathtub Beach is an extremely popular destination for local families and visitors to the area. Beginning in 2007 damaging erosions events occurred almost annually, during the fall Nor'easter season and resulted in repair costs averting around \$500,000/year. The initial Bathtub Beach/Sailfish Point beach construction project was completed in May 2016 in response to recurring storm impacts. This large project with scheduled periodic maintenance, was designed to improve storm protection and reduce the need for emergency response projects. A wider more stable beach benefits storm protection as well as recreation and the environment. In 2019, the County entered into a long term cost sharing agreement with the Sailfish Point POA, for this project that includes sections of beach along the Sailfish Point coastline as well as Martin County's Bathtub Beach Park. The next scheduled project will occur in 2023. As the current Inlet Management Plan (2016) allots 34,000 cy/yr. of sand bypassing to this project area, the cost for that portion of projects is shown in the St. Lucie Inlet Maintenance CIP sheet. The project is eligible for state funding under the State's Long Range Beach Management program at a rate of 36.99% of the project costs.

PROJECT ORIGATION

Infrastructure Needs

JUSTIFICATION

This project restores a county beach and provides safe access into Sailfish Point via MacArthur Blvd.

Expenditures	Total	To Date		Funded					Unfunded
				FY23	FY24	FY25	FY26	FY27	FY28-FY32
Design	750,000				250,000		250,000		250,000
Construction	14,878,902				6,300,000		3,300,000		5,278,902
CEI	675,000				135,000		135,000		405,000
Monitoring	2,750,000			250,000	250,000	250,000	250,000	250,000	1,500,000
Expenditure Total	19,053,902	0		250,000	6,935,000	250,000	3,935,000	250,000	7,433,902
Revenues	Total	To Date	Carryover						FY28-FY32
				FY23	FY24	FY25	FY26	FY27	
Ad Valorem	3,350,000		300,000	305,000	305,000	305,000	305,000	305,000	1,525,000
Grant:FDEP	6,266,107			92,475	1,455,557	92,475	1,455,557	92,475	3,077,568
Sailfish Point POA	5,337,795			78,775	1,239,919	78,775	1,239,919	78,775	2,621,632
Hutchinson Island MSTU	1,100,000		100,000	100,000	100,000	100,000	100,000	100,000	500,000
Revenue Total	16,053,902	0	400,000	576,250	3,100,476	576,250	3,100,476	576,250	7,724,200
Total Unfunded									3,000,000

OPERATING BUDGET IMPACT

Staff time to administer the program