

Bathtub Beach & Sailfish Point Beach Restoration

Category Non-Concurrency
Project Number 2072
Location Hutchinson Island
District 1

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 the beach. Periodic nourishment projects will be required to maintain the project by restoring the beach and dune system.

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 project is planned for 2026. As the current Inlet Management Plan (2016, 2023 update) allots 36,000 cy/yr. of sand bypassing this project area, the cost for that portion of the project 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

Policy 8.2E.10 of the Comprehensive Growth Management Plan has Coastal Infrastructure Requirements "to maintain established levels of service and phased and maintained infrastructure to assure that adequate public facilities and services are available to existing and projected residents and visitors to the coastal high-hazard area."

Expenditures	Total	To Date		Funded					Unfunded
				FY25	FY26	FY27	FY28	FY29	FY30-FY34
Design	1,250,000				250,000		250,000		750,000
Construction	31,500,000				6,300,000		6,300,000		18,900,000
CEI	675,000				135,000		135,000		405,000
Monitoring	2,800,000			250,000	250,000	250,000	250,000	300,000	1,500,000
Expenditure Total	36,225,000	-		250,000	6,935,000	250,000	6,935,000	300,000	21,555,000
Revenues	Total	To Date	Carryover						FY30-FY34
				FY25	FY26	FY27	FY28	FY29	
Ad Valorem	6,183,700		3,133,700	305,000	305,000	305,000	305,000	305,000	1,525,000
Grant(s)	13,390,970			82,500	2,565,000	92,500	2,565,000	110,970	7,975,000
Private Contribution	9,307,130			78,800	2,185,000	78,800	2,185,000	94,530	4,685,000
Hutchinson Island MSTU	1,100,000		100,000	100,000	100,000	100,000	100,000	100,000	500,000
Revenue Total	29,981,800	-	3,233,700	566,300	5,155,000	576,300	5,155,000	610,500	14,685,000
Total Unfunded									6,243,200

OPERATING BUDGET IMPACT

Staff time to administer the program.