

Bathtub Beach & Sailfish Point Beach Restoration

Category	Non-concurrency
Project Number	2072
Location	Hutchinson Island
District	Countywide
Project Limits	Coastal beach along Bathtub Beach and Sailfish Point
Related Projects	
Lead Dept/Division	Public Works/Coastal Division



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 ORIGINATION

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
				FY22	FY23	FY24	FY25	FY26	FY27-FY31
Design	945,065	0			250,000	0	250,000	0	445,065
Construction	16,500,000	0			3,300,000	0	3,300,000	0	9,900,000
CEI	675,000	0			135,000	0	135,000	0	405,000
Monitoring	2,800,000	0		250,000	250,000	250,000	250,000	300,000	1,500,000
Expenditure Total	20,920,065	0		250,000	3,935,000	250,000	3,935,000	300,000	12,250,065
Revenues	Total	To Date	Carryover	FY22	FY23	FY24	FY25	FY26	FY27-FY31
Ad Valorem	3,050,000		0	305,000	305,000	305,000	305,000	305,000	1,525,000
Grant: FDEP	7,738,333		0	92,475	1,455,557	92,475	1,455,557	110,970	4,531,299
Sailfish Point POA	6,591,913		0	78,775	1,239,919	78,775	1,239,919	94,530	3,859,995
Hutchinson Island MSTU	1,000,000		0	100,000	100,000	100,000	100,000	100,000	500,000
Revenue Total	18,380,246		0	576,250	3,100,476	576,250	3,100,476	610,500	10,416,294

Total Unfunded 2,539,819

OPERATING BUDGET IMPACT

Permit required monitoring costs.