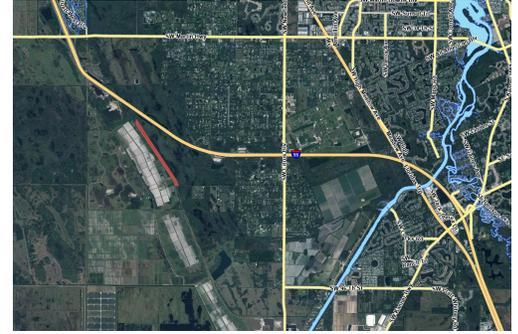


S-1 Canal Channel Enhancement Adopted 02/24/2026

Category	Non-Concurrency
Project Number	2155M2
Location	Western Martin County
District	5
Project Limits	West side of Hawk's Hammock South of I-95 to Markel Street
Related Projects	N/A
Lead Department/Division	Public Works/Environmental Resource Division
Year Project Initiated	2025
Project Life Cycle	3
Resilience Requirements:	2070 Vulnerability



DESCRIPTION

Natural channel design, featuring bank-full channels, floodplains, and meanders, creates self-maintaining streams. These systems provide water quality benefits, habitat, recreation, flood relief, and other social benefits. Integrating LID techniques like biological activated media (BAM), watershed restoration, or sediment sumps can enhance nutrient removal. This project seeks to acquire land along the S-1 canal South of Markel Street to provide additional channel enhancement benefits.

BACKGROUND

In 2020, a Stormwater Needs Assessment (SWNA) was conducted to help Martin County improve water quality in the St. Lucie River, Estuary, Loxahatchee River, and Indian River Lagoon. Nutrient contamination threatens aquatic habitats and industries. The project aims to reduce pollutants and improve water quality. Areas for stream restoration were identified using shapefiles of public land, conservation easements, and stormwater channels with at least 50 feet of width for restoration.

PROJECT ORIGATION

Master Plans

JUSTIFICATION

The 2020 Water quality needs assessment identified channel enhancement as one of the key objectives in the reduction of pollutant loads.

Expenditures	Total	To Date	Funded					Unfunded
			FY26	FY27	FY28	FY29	FY30	FY31-35
Construction	1,976,000	0	0	0	0	0	0	1,976,000
Design/Planning	1,024,000	0	0	1,024,000	0	0	0	
Expenditure Total	3,000,000	0	0	1,024,000	0	0	0	1,976,000

Revenues	Total	To Date	Carryover	FY26	FY27	FY28	FY29	FY30	FY31-35
Ad Valorem	250,000	0	250,000	0	0	0	0	0	
Grant	1,000,000	0	0	1,000,000	0	0	0	0	
Revenue Total	1,250,000	0	250,000	1,000,000	0	0	0	0	0

Total Unfunded: -1,750,000

OPERATING BUDGET IMPACT

Neutral or may reduce operating budget demand by eliminating routine mowing, spraying and shoreline maintenance. This approach mimics a natural system stream that would require reduced maintenance. Each channel section will likely have a specific reduction.