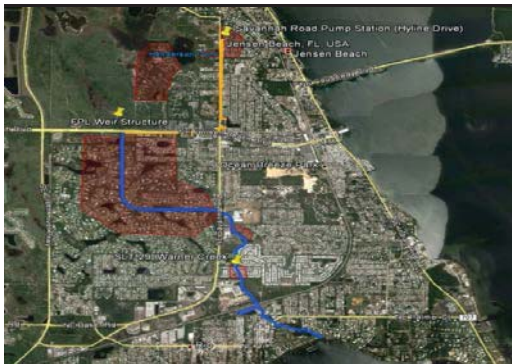
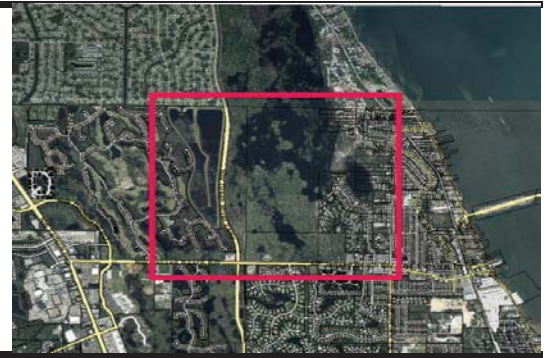


Savannas South Weir

Category Non-Concurrency
CIP Rating Score 53
Project Number 124902
Location Jensen Beach
District 1

Project Limits North of Jensen Beach Blvd to Ft. Pierce

Related Projects
Lead Dept/Division Public Works / Ecosystem Restoration



DESCRIPTION

The Savannas South Weir is a Phase II project that was developed during the hydrologic modeling of the Savannas Regional Restoration Project Phase I. This project is to design and construct an operable water control weir structure at Jensen Beach Boulevard and Warner Creek to provide habitat restoration within Savannas Preserve State Park and to reduce flooding in the downstream Warner Creek watershed. This project will fall within the both FDOT Right-of-Way and the southern park boundary. A specific State Appropriations grant (\$300,000) request will be made for the FY19 legislative session.

BACKGROUND

In the early 1990's FP&L provided mitigation for wetland impacts for the construction of the Levee-Midway 500 kV Transmission Line. This mitigation included restoring wetlands by filling in portions of Warner Creek north of Jensen Beach Boulevard and raising the control elevation of the wetland to the north by placing an earthen berm along its southern edge. This structure failed, however, in 1995 the SFWMD deemed the mitigation successful and viewed the erosion as "a natural process of the system adapting to the modified hydric patterns." Subsequent years of additional above average rainfall events caused the earthen berm to completely wash out and it was eventually replaced with a concrete bag weir. This weir has also failed and has not been replaced. Martin County is the southern terminus of all flows. Peak flows into Warner Creek are not managed and the County has experienced community flooding south of the State Park within the Warner Creek watershed.

PROJECT ORIGINATION

Infrastructure Needs

JUSTIFICATION

The project will provide wetland and habitat restoration within Savannas Preserve State Park, reduce flooding in downstream Warner Creek watershed and improve water quality that is discharged to the St. Lucie River Estuary.

Expenditures	Total	To Date		Funded					Unfunded
				FY19	FY20	FY21	FY22	FY23	FY24-FY28
Design	400,000	291,500		108,500					
Construction	500,000			500,000					
Expenditure Total	900,000	291,500		608,500	0	0	0	0	0
Revenues	Total	To Date	Carryover	FY19	FY20	FY21	FY22	FY23	FY24-FY28
Ad Valorem	500,000	191,500	308,500						
Franchise Fees	300,000			300,000					
Grants	100,000	100,000							
Revenue Total	900,000	291,500	308,500	300,000	0	0	0	0	0
Total Unfunded									0

OPERATING BUDGET IMPACT

None for Phase 1. Operational costs will be provided in the future for Phase 2 projects as they are identified and developed.