

Cypress Creek Floodplain Restoration Project Revised 02/18/20

Category Non-Concurrency
CIP Rating Score 53
Project Number
Location South County / Loxahatchee
District 3
Project Limits E of I-95, 1-mile north of the Martin County line in Jonathan Dickinson State Park
Related Projects
Lead Dept/Division Public Works/ Ecosystems



DESCRIPTION

This project is to design, permit and build a structure within Cypress Creek to restore the freshwater floodplain of this critical tributary. Cypress Creek is one of the main tributaries to the the Loxahatchee River and its restoration is critical to the river's health. The project will include a feasibility study to determine the structure material, where it would be located and how to best access the area. Once the feasibility study has been completed, full design will begin. The project will require obtaining a permanent access and maintenance agreement with the Florida Park Service. Staff will seek grant funding to off-set the costs of design and construction.

BACKGROUND

Martin County has spent the last 15-years helping acquire and restore the Cypress Creek watershed in an effort to restore the Loxahatchee River. The Cypress Creek watershed includes natural areas, residential developments and golf courses. Through previous efforts thousands of acres of the watershed have been restored. Rehydrating the floodplain of Cypress Creek is another critical step in restoring this watershed. The floodplain of the creek itself has been heavily impacted by channelization and other human activities. As a result, the floodplain is rarely hydrated even during the rainy season and the area is now dominated by exotic vegetation. The purpose of this project will be to build a structure in Cypress Creek to push water back into the floodplain area.

PROJECT ORIGATION Levels of Service/Comprehensive Plan Requirements

JUSTIFICATION

This project will help restore the Cypress Creek floodplain and the Loxahatchee River (CERP). The project will enhance County projects that were completed in the watershed previously. The project involves the construction of a structure in the floodplain of Cypress Creek to improve hydrology of the watershed and reduce saltwater intrusion during the dry season. Through restoring this area the project supports Chapter 9 (9.1G.3) Conservation and Open Space Element of the Martin County Comprehensive Growth Management Plan.

Expenditures	Total	To Date		FY20	FY21	FY22	FY23	FY24	Unfunded FY25-FY29
Design	325,000			175,000	150,000				
Construction	1,000,000					1,000,000			
Expenditure Total	1,325,000	0		175,000	150,000	1,000,000			0
Revenues	Total	To Date	Carryover	FY20	FY21	FY22	FY23	FY24	FY25-FY29
Ad Valorem	280,000					280,000			
Grant	575,000				75,000	500,000			
Stormwater MSTU	370,000		75,000	0	75,000	220,000			
Franchise Fees	100,000			100,000					
Revenue Total	1,325,000	0	75,000	100,000	150,000	1,000,000	0		0

Total Unfunded

0

OPERATING BUDGET IMPACT

Operating budget impacts will be determined once project design is complete. Based on similar type structures the estimated fiscal impact will be 5,000 / year.