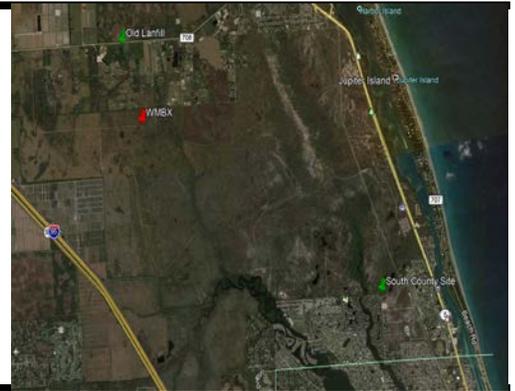


South County Communications Tower Amended 12/3/19

Category Concurrency
CIP Rating Score
Project Number TBD
Location Hobe Sound and Tequesta
District District 3

Project Limits County Line Road and Old Landfill on Bridge Road

Related Projects
Lead Dept/Division Information Technology
Year Project Initiated 2019



DESCRIPTION

Due to Public Safety concerns a new communications tower needs to be erected to provide adequate radio communications in the south county area. In addition the current site at WMBX will be moved to the old county landfill site.

BACKGROUND

Upon completion of the installation of a new 800 MHz radio system in November 2017, ITS received reports from Fire Rescue/Public Safety and the Martin County Sheriff's Office of poor in-building radio coverage in certain portions of Jupiter Island and the Tequesta portion of Martin County. The radio system was designed to meet a coverage requirement of 95% of the County land area and in testing achieved 98.6% of the tested area. Once in service, we learned that the tower location and antenna design left portions of the southeast county area with a weaker than optimal signal. After working with the consultant and the vendor on potential site locations and options, a design change was deemed prudent to address the coverage issues.

PROJECT ORIGATION

Levels of Service/Comprehensive Plan Requirements

JUSTIFICATION

Staff recommends that the County enter into an agreement with Motorola to provide for the designed changes to the Martin County 800 MHz radio system. The new design will put four (4) main communications towers east of I-95 that will address coverage needs for first responders to and well into the future, which includes a Public Safety Communications Structure for South County and the relocation of an existing communications site for Hobe Sound.

Expenditures	Total	To Date		Funded					Unfunded
				FY20	FY21	FY22	FY23	FY24	FY25-FY29
Construction	2,351,868			2,351,868					
Expenditure Total	2,351,868	0		2,351,868	0	0	0	0	0
Revenues	Total	To Date	Carryover	FY20	FY21	FY22	FY23	FY24	FY25-FY29
Debt Proceeds	2,351,868			2,351,868					
Revenue Total	2,351,868	0	0	2,351,868	0	0	0	0	0
Total Unfunded									0

OPERATING BUDGET IMPACT

To be determined.