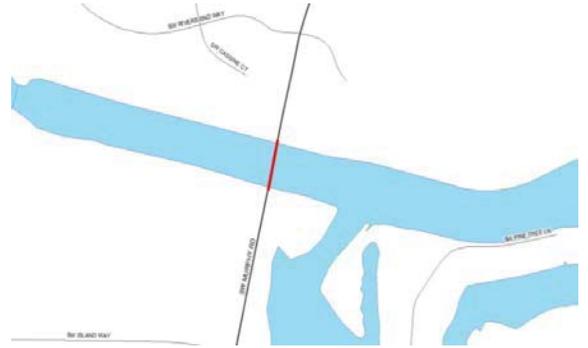


# Murphy Road (Over C-23) Bridge Replacement

**Category** Non-concurrency  
**CIP Rating Score** 64  
**Project Number** 105303  
**Location** Palm City  
**District** Five  
  
**Project Limits** Demolition, removal and reconstruction.  
  
**Related Projects** Murphy Road Resurfacing  
**Lead Dept/Division** Public Works/Capital Projects  
**Year Project Initiated** 2013



### DESCRIPTION

The Murphy Rd. Bridge replacement includes removal and reconstruction of a 230' long two lane bridge over the C-23 Canal. The bridge will be demolished and reconstructed in phases so that one lane of traffic will remain open at all times during the construction. Project elements include replacement of bridge pilings, substructure construction, construction of a new precast deck slab bridge, relocation of an existing waterline, drainage improvements, and other incidental work.

### BACKGROUND

The Murphy Rd. Bridge over C-23 has a sufficiency rating of 32.7, a health index of 85.47 is functionally obsolete and has a reduced load rating. Martin County has been approved for State of Florida Department of Transportation (FDOT) funding assistance through the Local Agency Program (LAP) for FY20 for 3,062,215. Grant funds do not cover design/survey/contingency. \*The grant identified is programmed into the FDOT work program.\*

### PROJECT ORIGINATION

Infrastructure Needs

### JUSTIFICATION

The funding will provide for improvements to public facilities that eliminate public hazards, aid in the renovation of worn-out facilities that contribute to achieving or maintaining standards for levels of service adopted in the Comprehensive Growth Management Plan, and significantly reduce the operating cost of providing a service or facility or otherwise mitigate impacts of public facilities on future operating budgets.

Expenditures	Total	To Date		Funded					Unfunded
				FY19	FY20	FY21	FY22	FY23	FY24-FY28
Design	50,000	25,000		25,000					
Construction	3,637,215				3,637,215				
<b>Expenditure Total</b>	<b>3,687,215</b>	<b>25,000</b>	<b>0</b>	<b>25,000</b>	<b>3,637,215</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Revenues	Total	To Date	Carryover	FY19	FY20	FY21	FY22	FY23	FY24-FY28
Gas Tax	325,000	25,000	300,000						
Grant	3,062,215				3,062,215				
Road MSTU	300,000		150,000	150,000					
<b>Revenue Total</b>	<b>3,687,215</b>	<b>25,000</b>	<b>450,000</b>	<b>150,000</b>	<b>3,062,215</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Unfunded</b>									<b>0</b>

### OPERATING BUDGET IMPACT

Life cycle replacement of bridges keeps operating budget level.