



Bridge Renovation

(P509753)

Category	Transportation	Date Last Modified	12/20/20
SubCategory	Bridges	Administering Agency	Transportation
Planning Area	Countywide	Status	Ongoing

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	17,373	11,436	607	5,330	700	1,000	880	1,000	1,500	250	-
Land	162	162	-	-	-	-	-	-	-	-	-
Site Improvements and Utilities	21	21	-	-	-	-	-	-	-	-	-
Construction	34,202	10,813	1,959	21,430	2,800	2,680	4,700	4,300	3,400	3,550	-
Other	83	83	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	51,841	22,515	2,566	26,760	3,500	3,680	5,580	5,300	4,900	3,800	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
G.O. Bonds	47,635	20,671	2,566	24,398	3,273	2,453	5,353	5,073	4,673	3,573	-
State Aid	3,206	1,844	-	1,362	227	227	227	227	227	227	-
Stormwater Management Waiver Fees	1,000	-	-	1,000	-	1,000	-	-	-	-	-
TOTAL FUNDING SOURCES	51,841	22,515	2,566	26,760	3,500	3,680	5,580	5,300	4,900	3,800	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 22 Request	-	Year First Appropriation	FY97
Cumulative Appropriation	32,261	Last FY's Cost Estimate	51,841
Expenditure / Encumbrances	24,759		
Unencumbered Balance	7,502		

PROJECT DESCRIPTION

This project provides for the renovation of County roadway and pedestrian bridges that have been identified as needing repair work beyond routine maintenance levels to assure continued safe functioning. Renovation work involves planning, preliminary engineering, project management, inspection, and construction. Construction is performed on various components of the bridge structures. Superstructure repair or replacement items include decking, support beams, bearing assemblies, and expansion joints. Substructure repair or replacement items include concrete abutments, backwalls, and wingwalls. Culvert repairs include concrete headwalls, structural steel plate pipe arch replacements, installation of concrete inverts, and placement of stream scour protection. Other renovation work includes paving of bridge deck surfaces, bolted connection replacements, stone slope protection, reconstruction of approach roadways, concrete crack injection, deck joint material replacement, scour protection, and installation of traffic safety barriers. The community

outreach program informs the public when road closures or major lane shifts are necessary. Projects are reviewed and scheduled to reduce community impacts as much as possible, especially to school bus routes.

PROJECT JUSTIFICATION

The Biennial Bridge Inspection Program, a Federally mandated program, provides specific information to identify deficient bridge elements. The bridge renovation program also provides the ability for quick response and resolution to citizen public concerns for highway and pedestrian bridges throughout the County.

OTHER

The objective of this program is to identify bridges requiring extensive structural repairs and perform the work in a timely manner to avoid emergency situations and major public inconvenience. Construction work under this project is typically performed by the County's Division of Highway Services.

FISCAL NOTE

Funding switch of \$1M from GO Bonds to Stormwater Management Waiver Fees in FY22.

DISCLOSURES

Expenditures will continue indefinitely. The County Executive asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Department of Transportation, Maryland State Highway Administration, Maryland Department of Natural Resources, Maryland Historic Trust, and U.S. Fish and Wildlife Service.