



Bridge Renovation

(P509753)

Category	Transportation	Date Last Modified	04/15/22
SubCategory	Bridges	Administering Agency	Transportation
Planning Area	Countywide	Status	Ongoing

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
Planning, Design and Supervision	20,068	13,757	424	5,887	1,180	1,000	1,500	250	1,133	824	-
Land	209	209	-	-	-	-	-	-	-	-	-
Site Improvements and Utilities	21	21	-	-	-	-	-	-	-	-	-
Construction	48,307	11,840	6,277	30,190	10,350	6,800	2,400	3,550	3,264	3,826	-
Other	83	83	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	68,688	25,910	6,701	36,077	11,530	7,800	3,900	3,800	4,397	4,650	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
G.O. Bonds	64,028	23,615	5,698	34,715	11,303	7,573	3,673	3,573	4,170	4,423	-
State Aid	3,660	2,295	3	1,362	227	227	227	227	227	227	-
Stormwater Management Waiver Fees	1,000	-	1,000	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	68,688	25,910	6,701	36,077	11,530	7,800	3,900	3,800	4,397	4,650	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Approp. Request	16,180	Year First Appropriation	FY97
Appropriation FY 24 Approp. Request	-	Last FY's Cost Estimate	-
Cumulative Appropriation	32,261		
Expenditure / Encumbrances	-		
Unencumbered Balance	32,261		

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.

COST CHANGE

Cost increase due to the addition of Mouth of Monocacy Road Bridge Deck Replacement, Hidden Valley emergency culvert repair, additional level of effort for culvert repairs in FY23-24, and the addition of FY27 and FY28 to this ongoing level of effort project.

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

FY22 supplemental in G.O. Bonds for the amount of \$3,500,000.

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, U.S. Fish and Wildlife Service, and CSXT.