



Bridge Renovation

(P509753)

Category	Transportation	Date Last Modified	01/04/18
SubCategory	Bridges	Administering Agency	Transportation
Planning Area	Countywide	Status	Ongoing

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	6,792	3,015	1,602	2,175	245	950	245	245	245	245	-
Land	64	14	-	50	-	50	-	-	-	-	-
Site Improvements and Utilities	171	21	150	-	-	-	-	-	-	-	-
Construction	15,876	3,608	6,493	5,775	755	2,000	755	755	755	755	-
Other	78	78	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	22,981	6,736	8,245	8,000	1,000	3,000	1,000	1,000	1,000	1,000	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	20,229	6,645	6,946	6,638	773	2,773	773	773	773	773	-
State Aid	2,752	91	1,299	1,362	227	227	227	227	227	227	-
TOTAL FUNDING SOURCES	22,981	6,736	8,245	8,000	1,000	3,000	1,000	1,000	1,000	1,000	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	4,000	Year First Appropriation	FY97
Appropriation FY 20 Request	-	Last FY's Cost Estimate	18,981
Cumulative Appropriation	15,625		
Expenditure / Encumbrances	8,286		
Unencumbered Balance	7,339		

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

Increase due to the addition of five emergency projects: Valleywood Drive Pedestrian Bridge, River Road culvert, Belfast Road culvert, Falling Creek Road culvert, and the construction costs of 25 steel culvert repairs to prevent imminent failure. Increase also due to the addition of FY23 and FY24 to this on going 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 County Division of Highway Services.

Fiscal Note

FY16 transfer of \$1.2M in GO Bonds from Glenmont Metro Parking Expansion (#500552); \$503K in GO Bonds from Cedar Lane Road Bridge (#501105); \$32K in GO Bonds from Whites Ferry Road Bridges (#501301); and \$730K in GO Bonds from Nebel Street Extended (#500401); FY17 transfer of \$35K in GO Bonds from Valley Road Bridge (#501521), \$500K in GO Bonds from Father Hurley Blvd (#500516) and \$500K in GO Bonds from BRAC Bicycle and Pedestrian Facilities (#501000); FY18 reallocation of \$1.4M in GO Bonds from Century Blvd (#501115)

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