



# Bridge Renovation

(P509753)

Category	Transportation	Date Last Modified	03/06/20
SubCategory	Bridges	Administering Agency	Transportation
Planning Area	Countywide	Status	Ongoing

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	18,463	9,706	2,337	6,420	1,000	2,720	600	600	1,250	250	-
Land	66	66	-	-	-	-	-	-	-	-	-
Site Improvements and Utilities	21	21	-	-	-	-	-	-	-	-	-
Construction	37,208	7,175	5,693	24,340	4,980	4,060	4,700	4,300	2,550	3,750	-
Other	83	83	-	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>55,841</b>	<b>17,051</b>	<b>8,030</b>	<b>30,760</b>	<b>5,980</b>	<b>6,780</b>	<b>5,300</b>	<b>4,900</b>	<b>3,800</b>	<b>4,000</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
G.O. Bonds	52,635	15,484	7,753	29,398	5,753	6,553	5,073	4,673	3,573	3,773	-
State Aid	3,206	1,567	277	1,362	227	227	227	227	227	227	-
<b>TOTAL FUNDING SOURCES</b>	<b>55,841</b>	<b>17,051</b>	<b>8,030</b>	<b>30,760</b>	<b>5,980</b>	<b>6,780</b>	<b>5,300</b>	<b>4,900</b>	<b>3,800</b>	<b>4,000</b>	<b>-</b>

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 21 Approp. Request	12,760	Year First Appropriation	FY97
Appropriation FY 22 Approp. Request	-	Last FY's Cost Estimate	26,981
Cumulative Appropriation	25,085		
Expenditure / Encumbrances	18,949		
Unencumbered Balance	6,136		

## 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

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reduce community impacts as much as possible, especially to school bus routes.

## COST CHANGE

Increase due to the addition of three emergency projects (Alderton Road Steel Culvert failure, Turkey Branch Parkway Steel Culvert failure, and Clarksburg Road Steel Culvert failure), the addition of construction funds for 50 deteriorating steel culverts to prevent imminent failure, the addition of FY25 and FY26 to this ongoing level-of-effort project, and for an FY20 supplemental for emergency culvert repairs.

## 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

An FY20 supplemental was approved for \$2,100,000 for emergency culvert repairs.

## 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.