# Bridge Renovation
(P509753)

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|---|---|---|---|
| Category | Transportation | Date Last Modified | 01/07/20 |
| 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 | 35,108 | 7,175 | 3,593 | 24,340 | 4,980 | 4,060 | 4,700 | 4,300 | 2,550 | 3,750 | - |
| Other | 83 | 83 | - | - | - | - | - | - | - | - | - |
| TOTAL EXPENDITURES | 53,741 | 17,051 | 5,930 | 30,760 | 5,980 | 6,780 | 5,300 | 4,900 | 3,800 | 4,000 | - |

## 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 | 50,535 | 15,484 | 5,653 | 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 | - |
| TOTAL FUNDING SOURCES | 53,741 | 17,051 | 5,930 | 30,760 | 5,980 | 6,780 | 5,300 | 4,900 | 3,800 | 4,000 | - |

## APPROPRIATION AND EXPENDITURE DATA ($000s)

| | | | |
|---|---|---|---|
| Appropriation FY 21 Request | 12,760 | Year First Appropriation | FY97 |
| Appropriation FY 22 Request | - | Last FY's Cost Estimate | 26,981 |
| Cumulative Appropriation | 22,985 | | |
| Expenditure / Encumbrances | 18,949 | | |
| Unencumbered Balance | 4,036 | | |

# 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 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, and the addition of FY25 and FY26 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.

## 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.