



Bridge Design

(P509132)

| | | | |
|---------------|----------------|----------------------|----------------|
| Category | Transportation | Date Last Modified | 09/03/21 |
| 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 | 33,348 | 18,585 | 2,916 | 11,847 | 2,291 | 2,101 | 2,078 | 1,869 | 1,898 | 1,610 | - |
| Land | 445 | 445 | - | - | - | - | - | - | - | - | - |
| Site Improvements and Utilities | 103 | 103 | - | - | - | - | - | - | - | - | - |
| Construction | 104 | 104 | - | - | - | - | - | - | - | - | - |
| Other | 18 | 18 | - | - | - | - | - | - | - | - | - |
| TOTAL EXPENDITURES | 34,018 | 19,255 | 2,916 | 11,847 | 2,291 | 2,101 | 2,078 | 1,869 | 1,898 | 1,610 | - |

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 |
|-----------------------|--------|-----------|----------|------------------|-------|-------|-------|-------|-------|-------|-------------------|
| Federal Aid | 956 | 956 | - | - | - | - | - | - | - | - | - |
| G.O. Bonds | 30,638 | 15,875 | 2,916 | 11,847 | 2,291 | 2,101 | 2,078 | 1,869 | 1,898 | 1,610 | - |
| Land Sale | 15 | 15 | - | - | - | - | - | - | - | - | - |
| PAYGO | 340 | 340 | - | - | - | - | - | - | - | - | - |
| State Aid | 2,069 | 2,069 | - | - | - | - | - | - | - | - | - |
| TOTAL FUNDING SOURCES | 34,018 | 19,255 | 2,916 | 11,847 | 2,291 | 2,101 | 2,078 | 1,869 | 1,898 | 1,610 | - |

APPROPRIATION AND EXPENDITURE DATA (\$000s)

| | | | |
|-----------------------------|--------|--------------------------|--------|
| Appropriation FY 23 Request | 2,178 | Year First Appropriation | FY91 |
| Appropriation FY 24 Request | 2,105 | Last FY's Cost Estimate | 30,510 |
| Cumulative Appropriation | 23,340 | | |
| Expenditure / Encumbrances | 20,717 | | |
| Unencumbered Balance | 2,623 | | |

PROJECT DESCRIPTION

This ongoing project provides studies for bridge projects under consideration for inclusion in the CIP. Bridge Design serves as a transition stage for a project between identification of need and its inclusion as a stand-alone construction project in the CIP. Prior to the establishment of a stand-alone project, the Department of Transportation will complete a design which outlines the general and specific features required on the project. Selected projects range in type, but typically consist of upgrading deficient bridges so that they can safely carry all legal loads which must be accommodated while providing a minimum of two travel lanes. Candidate projects currently included are listed below (Other).

COST CHANGE

Cost increase due to the addition of Southlawn Rd Bridge #M-0050, Martinsburg Rd Bridge #M-0042, Burnt Hill Rd Bridge #M-0157, and Gregg Rd Bridge #M-0119, and the addition of FY27 and FY28 to this ongoing level-of-effort project.

PROJECT JUSTIFICATION

There is continuing need for the development of accurate cost estimates and an exploration of alternatives for proposed projects. Bridge Design costs for all projects which ultimately become stand-alone PDFs are included here. These costs will not be reflected in the resulting individual project. Future individual CIP projects, which result from Bridge Design, will each benefit from reduced planning and design costs. Biennial inspections performed since 1987 have consistently shown that the bridges currently included in the project for design studies are in need of major rehabilitation or replacement.

OTHER

Candidates for this program are identified through the County Biennial Bridge Inspection Program as being deficient, load restricted, or geometrically substandard. The Planning, Design, and Supervision (PD&S) costs for all bridge designs include all costs up to contract preparation. At that point, future costs and Federal aid will be included in stand-alone projects. Candidate Projects: Brink Rd Bridge #M-0064, Garrett Pk Rd Bridge #M-0352, Beach Dr Bridge #MPK-24, Glen Rd Bridge #M-0148, Glen Rd Bridge #M-0015, and Mouth of Monocacy Rd Bridge #M-0043, Zion Rd Bridge #M-0121, Schaeffer Rd Bridge #M-0137, Parklawn Entr Bridge #MPK-17, Baltimore Rd Bridge #M-0201, Brighton Dam Rd Bridge #M-0108, Redland Rd Bridge #M-0057, Brookeville Rd Bridge #M-0083, Greentree Rd Bridge #M-0180, Whites Ferry Rd Bridge #M-0186, Glen Rd Bridge #M-0013, Barnes Rd Bridge #M-0008, Barnesville Rd Bridge #M-0045, Randolph Rd Bridge #M-0080-3, Shady Grove Rd Bridge #M-0191-3, Beach Dr Bridge #MPK-05, Beach Dr Bridge #MPK-08, Bel Pre Rd Bridge #M-0092, Little Falls Pkwy Bridge #MPK-01-2, Cattail Rd Bridge #M-0155, Harris Rd Bridge #M-0046, Valleywood Dr Bridge #M-0254, and Midcounty Hghwy Bridge #M-0219, Southlawn Rd Bridge #M-0050, Martinsburg Rd Bridge #M-0042, Burnt Hill Rd Bridge #M-0157, and Gregg Rd Bridge #M-0119.

DISCLOSURES

A pedestrian impact analysis has been completed for this project. 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

Federal Highway Administration - Federal Aid Bridge Replacement/Rehabilitation Program, Maryland State Highway Administration, Maryland Department of the Environment, Maryland Department of Natural Resources, Maryland Historic Trust, Maryland-National Capital Park and Planning Commission, Montgomery County Department of Permitting Services, Utilities, U.S. Army Corps of Engineers, CSX Transportation, Washington Metropolitan Area Transit Authority, and Rural/Rustic Roads Legislation.