Bridge Design
(P509132)

Category	Transportation	Date Last Modified	05/01/18
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	20,883	14,322	1,503	5,058	1,073	999	890	855	664	577	-
Land	442	442	-	-	-	-	-	-	-	-	-
Site Improvements and Utilities	91	91	-	-	-	-	-	-	-	-	-
Construction	97	97	-	-	-	-	-	-	-	-	-
Other	18	18	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	21,531	14,970	1,503	5,058	1,073	999	890	855	664	577	-

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	18,789	12,565	1,166	5,058	1,073	999	890	855	664	577	-
State Aid	1,431	1,094	337	-	-	-	-	-	-	-	-
Federal Aid	956	956	-	-	-	-	-	-	-	-	-
PAYGO	340	340	-	-	-	-	-	-	-	-	-
Land Sale	15	15	-	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	21,531	14,970	1,503	5,058	1,073	999	890	855	664	577	-

APPROPRIATION AND EXPENDITURE DATA ($000s)

Appropriation FY 19 Request	-	Year First Appropriation	FY91
Appropriation FY 20 Request	469	Last FY's Cost Estimate	18,875
Cumulative Appropriation	18,992		
Expenditure / Encumbrances	16,407		
Unencumbered Balance	2,585		

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 Montevideo Road Bridge #30, Zion Road Bridge #21, and the addition of FY23 and FY24 to this ongoing level of effort.

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: Park Valley Road Bridge #MPK-03, Gold Mine Road Bridge #M-0096, Brink Road Bridge #M-0064, Garrett Park Road Bridge #M-0352, Beach Drive Bridge #MPK-24, Glen Road Bridge #M-0148, Glen Road Bridge #M-0015, and Mouth of Monocacy Bridge #M-0043, Montevideo Road Bridge #M-0030, and Zion Road Bridge #M-0121.

FISCAL NOTE

In FY18, $2M in GO Bond appropriation transferred from the Silver Spring Transit Center project.

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 National Capital Park and Planning Commission, Montgomery County Department of Permitting Services, Utilities, Bridge Design Project CIP (No. 509132).