



Brink Road Bridge M-0064

(P502104)

Category	Transportation	Date Last Modified	01/07/20
SubCategory	Bridges	Administering Agency	Transportation
Planning Area	Germantown and Vicinity	Status	Preliminary Design Stage

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	883	-	-	883	-	-	-	-	581	302	-
Land	214	-	-	214	-	-	-	-	214	-	-
Site Improvements and Utilities	750	-	-	750	-	-	-	-	675	75	-
Construction	3,704	-	-	3,704	-	-	-	-	909	2,795	-
TOTAL EXPENDITURES	5,551	-	-	5,551	-	-	-	-	2,379	3,172	-

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
Federal Aid	3,308	-	-	3,308	-	-	-	-	831	2,477	-
G.O. Bonds	2,243	-	-	2,243	-	-	-	-	1,548	695	-
TOTAL FUNDING SOURCES	5,551	-	-	5,551	-	-	-	-	2,379	3,172	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 21 Request	-	Year First Appropriation	
Appropriation FY 22 Request	-	Last FY's Cost Estimate	-
Cumulative Appropriation	-		
Expenditure / Encumbrances	-		
Unencumbered Balance	-		

PROJECT DESCRIPTION

This project provides for the replacement of the existing Brink Road Bridge over Great Seneca Creek. The existing bridge, built in 1972, is a one span 58'-3" steel beam with an asphalt filled corrugated metal deck structure carrying a 23'-6" clear roadway with W-beam guardrail on each side. The proposed replacement bridge includes a one span 58' prestressed NEXT beam structure with a 34'-0" clear roadway width. The project includes 400-feet of approach roadway work west of the bridge to reduce flooding frequency and improvements to the intersection with Wightman Road approximately 20' east of the bridge. In addition, the Maryland-National Capital Park and Planning Commission (M-NCPPC) Seneca Creek Green hiker-biker trail crossing will be improved at the intersection. The new bridge will carry two lanes of traffic with two 11' travel lanes and 6' wide shoulders for a clear roadway width of 34'.

LOCATION

The project is located approximately 2.1 miles east of the intersection of Brink Road and Ridge Road (MD 27) in Germantown, Maryland.

CAPACITY

The roadway Average Daily Traffic (ADT) is approximately 15,000 and the roadway capacity will not change as a result of this project.

ESTIMATED SCHEDULE

The design of the project is expected to finish in the Spring 2024. Construction is scheduled to start in summer 2025 and be completed in the winter of 2025. The bridge will be closed to traffic from June 2025 to August 2025.

PROJECT JUSTIFICATION

The proposed replacement work is necessary to provide a safe roadway condition for the travelling public. The 2018 bridge inspection report for Bridge No. M-0064 indicates that the bridge steel beams are in poor condition with areas of 100 percent section loss. As a result, the bridge is inspected on a 12-month frequency. The bridge is functionally obsolete with a clear roadway width of 24' and carries approximately 12,000 vehicles per day. The bridge is closed two to three times a year due to flooding of the Great Seneca Creek. The project will reduce the flooding frequency to once every five years.

OTHER

A pedestrian impact analysis has been completed for this project.

FISCAL NOTE

The costs of bridge construction and construction management for this project are eligible for up to 80 percent Federal Aid. The design costs for this project are covered in the "Bridge Design" project (C.I.P. No. 509132).

DISCLOSURES

A pedestrian impact analysis has been completed for this project.

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, and Bridge Design PDF (CIP 509132).

