Brink Road Bridge M-0064

(P502104)

Category	Transportation	Date Last Modified	12/26/24
SubCategory	Bridges	Administering Agency	Transportation
Planning Area	Germantown and Vicinity	Status	Preliminary Design Stage

EXPENDITURE SCHEDULE ($000s)

Cost Elements	Total	Thru FY24	Rem FY24	Total 6 Years	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	Beyond 6 Years
Planning, Design and Supervision	897	-	-	897	-	582	315	-	-	-	-
Land	214	-	-	214	214	-	-	-	-	-	-
Site Improvements and Utilities	775	-	-	775	600	75	100	-	-	-	-
Construction	5,744	-	-	5,744	-	2,896	2,848	-	-	-	-
TOTAL EXPENDITURES	7,630	-	-	7,630	814	3,553	3,263	-	-	-	-

FUNDING SCHEDULE ($000s)

Funding Source	Total	Thru FY24	Rem FY24	Total 6 Years	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	Beyond 6 Years
Federal Aid	4,088	-	-	4,088	-	1,900	2,188	-	-	-	-
G.O. Bonds	3,542	-	-	3,542	814	1,653	1,075	-	-	-	-
TOTAL FUNDING SOURCES	7,630	-	-	7,630	814	3,553	3,263	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA ($000s)

Appropriation FY 26 Request	6,648	Year First Appropriation	FY25
Cumulative Appropriation	814	Last FY's Cost Estimate	7,630
Expenditure / Encumbrances	-		
Unencumbered Balance	814		

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 feet 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'. A traffic signal will be constructed at the intersection of Wightman Road and Brink Road. To meet Program Open Space (POS) land conversion requirements land needs to be purchased at the corner of Wightman Road and Brink Road and a parking lot constructed for trail users.

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 12,000 vehicles and the roadway capacity will not change as a result of this project.

ESTIMATED SCHEDULE

Design is expected to be completed in summer 2025. Site improvements and utility work will begin in FY25. Construction is scheduled to begin in summer 2026 and be completed in the winter of 2026. The bridge will be closed to traffic from June 2026 to August 2026.

COST CHANGE

Costs increase due to rising construction costs caused by material and labor shortages, as well as scope increase to include a parking lot for trail users as required by the Program Open Space (POS) land conversion law and the need for a traffic signal at the intersection of Brink Road and Wightman Road.

PROJECT JUSTIFICATION

The proposed replacement work is necessary to provide a safe roadway condition for the traveling public. The 2022 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.

FISCAL NOTE

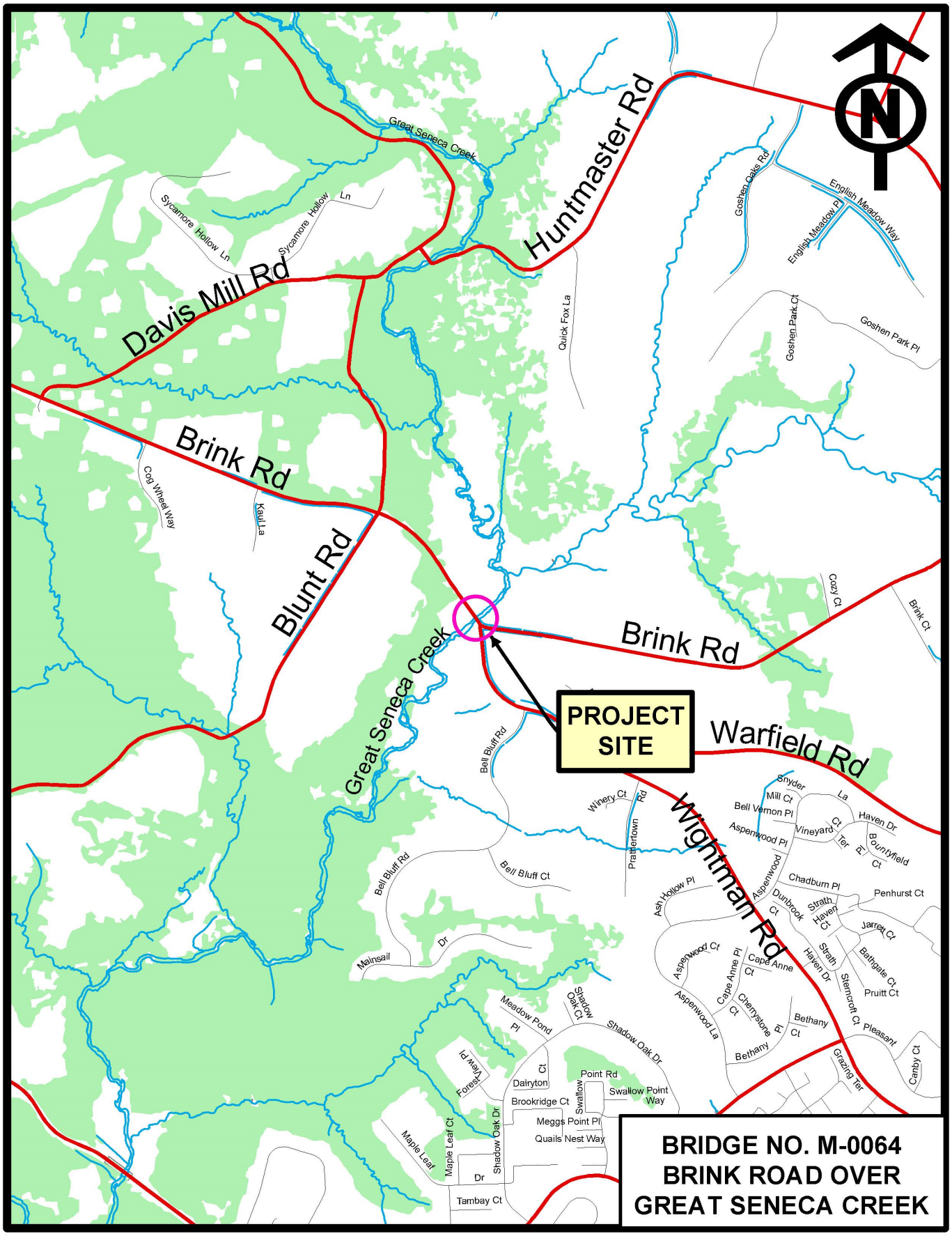
The costs of bridge construction and construction management for this project are eligible for up to 80 percent Federal Aid. The design costs for this project are covered in the Bridge Design project (CIP No. 509132).

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 Project (CIP 509132).


Great Seneca Creek
Huntmaster Rd
Sycamore Hollow Ln
Sycamore Hollow Ln
Davis Mill Rd
Goshen Oaks Rd
English Meadow Pl
English Meadow Way
Quick Fox La
Goshen Park Ct
Goshen Park Pl
Brink Rd
Cog Wheel Way
Kaul La
Blunt Rd
Cozy Ct
Brink Ct
Brink Rd
Great Seneca Creek
PROJECT SITE
Warfield Rd
Bell Bluff Rd
Winery Ct
Prattertown Rd
Wightman Rd
Bell Bluff Rd
Bell Bluff Ct
Snyder La
Mill Ct
Bell Vernon Pl
Haven Dr
Vineyard Ct
Aspenwood Pl
Ter
Pl
Bountyfield Ct
Chadburn Pl
Ash Hollow Pl
Aspenwood Ct
Dunbrook Ct
Strath Haven Ct
Penhurst Ct
Jarrett Ct
Mainsail Dr
Aspenwood Ct
Cape Anne Pl
Cape Anne Ct
Strath Haven Dr
Bathgate Ct
Pruitt Ct
Sternroft Ct
Pleasant
Aspenwood La
Cherrystone Pl
Bethany Ct
Bethany
Meadow Pond Pl
Shadow Oak Ct
Shadow Oak Dr
Grazing Ter
Canby Ct
Forest View Pl
Dairyton Ct
Point Rd
Swallow Ct
Swallow Point Way
Brookridge Ct
Meggs Point Pl
Quails Nest Way
Maple Leaf Ct
Maple Leaf Dr
Shadow Oak Dr
Tambay Ct
BRIDGE NO. M-0064
BRINK ROAD OVER
GREAT SENECA CREEK