



Glen Road Bridge

(P502102)

Category	Transportation	Date Last Modified	01/14/22
SubCategory	Bridges	Administering Agency	Transportation
Planning Area	Travilah and Vicinity	Status	Preliminary Design Stage

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	1,150	-	200	950	300	200	450	-	-	-	-
Land	50	-	-	50	10	40	-	-	-	-	-
Site Improvements and Utilities	985	-	-	985	-	485	500	-	-	-	-
Construction	2,400	-	-	2,400	-	1,000	1,400	-	-	-	-
TOTAL EXPENDITURES	4,585	-	200	4,385	310	1,725	2,350	-	-	-	-

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
G.O. Bonds	4,585	-	200	4,385	310	1,725	2,350	-	-	-	-
TOTAL FUNDING SOURCES	4,585	-	200	4,385	310	1,725	2,350	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	-	Year First Appropriation	FY21
Appropriation FY 24 Request	1,045	Last FY's Cost Estimate	3,540
Cumulative Appropriation	3,540		
Expenditure / Encumbrances	-		
Unencumbered Balance	3,540		

PROJECT DESCRIPTION

This project provides for the replacement of the existing Glen Road Bridge over Sandy Branch. The existing bridge, built in 1930 and repaired in 1992, is a 12-foot long single span concrete slab structure with concrete abutments and wingwalls. The bridge provides a 21'-7" wide clear roadway. The proposed replacement bridge includes a two cell box culvert with a total span of 21'-0" carrying an 18'-0" roadway and a 2'-0" shoulder on each side. The project includes approach roadway work at each end of the bridge to tie into the existing roadway. The project also includes 200ft of stream restoration. The bridge and road will be closed to traffic during construction. Accelerated bridge construction techniques will be utilized to minimize the disruption to the traveling public and local community.

LOCATION

The project site is located approximately 0.5 miles east of the intersection of Glen Road and Travilah Road in Potomac, Maryland.

CAPACITY

The roadway Average Daily Traffic (ADT) is approximately 3,846 and the roadway capacity will not change as a result of this project.

ESTIMATED SCHEDULE

Design is expected to be completed in the summer of 2023. Construction is scheduled to begin in summer 2024 and complete in fall of 2024. The bridge will be closed to traffic from June 2024 to August 2024 for construction.

COST CHANGE

Cost increase due to additional design and construction required to reduce frequency of flooding of Glen Road.

PROJECT JUSTIFICATION

The proposed replacement work is necessary to provide a safe roadway condition for the travelling public. The 2015 bridge inspection report for Bridge No. M-0148X01 indicates that there are concrete spalls on the north fascia, and at the northeast corner of the soffit. There is a 6" diameter x 2" deep spall with exposed reinforcement adjacent to the west abutment. There is a 3'-0" long hairline crack with minor spalling up to 2" high and delamination in the northwest wing wall interface with the north fascia. There is a 2.5" deep spall and full height vertical fracture in the southeast wing wall interface with the east abutment. The bridge is currently posted for a 26,000 lbs. limit for a single-unit truck and a 26,000 lbs. limit for a combination-unit truck. Implementation of this project would allow the bridge to be restored to full capacity. The 2002 Potomac Subregion Master Plan designates Glen Road as Rustic Road (R-2) from Query Mill Rd to Piney Meetinghouse Rd with two travel lanes and minimum right-of-way width 70 feet.

OTHER

The design costs for this project are partially covered in the "Bridge Design" project (C.I.P. No. 509132).

FISCAL NOTE

Since the existing bridge is less than 20-foot long, construction and construction management costs for this project are not eligible for Federal Aid.

DISCLOSURES

A pedestrian impact analysis has been completed for this project.

COORDINATION

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.