



Dennis Ave Bridge M-0194 Replacement (P501701)

Category	Transportation	Date Last Modified	01/08/24
SubCategory	Bridges	Administering Agency	Transportation
Planning Area	Kensington-Wheaton	Status	Final Design Stage

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY23	Est FY24	Total 6 Years	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	Beyond 6 Years
Planning, Design and Supervision	1,900	313	126	1,461	910	551	-	-	-	-	-
Land	20	-	-	20	20	-	-	-	-	-	-
Site Improvements and Utilities	685	-	550	135	135	-	-	-	-	-	-
Construction	8,265	-	-	8,265	4,723	3,542	-	-	-	-	-
TOTAL EXPENDITURES	10,870	313	676	9,881	5,788	4,093	-	-	-	-	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY23	Est FY24	Total 6 Years	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	Beyond 6 Years
Federal Aid	6,510	-	-	6,510	3,472	3,038	-	-	-	-	-
G.O. Bonds	4,060	313	676	3,071	2,016	1,055	-	-	-	-	-
Intergovernmental	300	-	-	300	300	-	-	-	-	-	-
TOTAL FUNDING SOURCES	10,870	313	676	9,881	5,788	4,093	-	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 25 Request	1,500	Year First Appropriation	FY22
Appropriation FY 26 Request	-	Last FY's Cost Estimate	9,370
Cumulative Appropriation	9,370		
Expenditure / Encumbrances	335		
Unencumbered Balance	9,035		

PROJECT DESCRIPTION

This project provides for the replacement of the existing Dennis Avenue Bridge M-0194 over a tributary to Sligo Creek. The existing bridge, built in 1961, is a single 30-foot span structure composed of prestressed concrete voided slab beams carrying a 24-foot roadway, two six-foot shoulders, and two 4'-8" sidewalks. The proposed replacement bridge will be a 80-foot overall span three-cell precast concrete arch culvert carrying a 22-foot roadway, two five-foot bicycle compatible shoulders, two two-foot striped buffers, a 13-foot shared-use path on the north side and a seven-foot sidewalk on the south side, for a total clear bridge width of 56 feet. The project includes utility relocations and approach roadway work at each end of the bridge as necessary to tie into the existing roadway and sidewalks. The bridge 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 is located on Dennis Avenue approximately 1,800 feet east of the intersection of Georgia Avenue and Dennis Avenue.

CAPACITY

The roadway Average Daily Traffic (ADT) is approximately 14,000 vehicles per day.

ESTIMATED SCHEDULE

The design of the project is expected to finish in the summer of 2024. Land acquisition will be complete in FY25. The construction is scheduled to start in the spring of 2025 and be completed in the fall of 2025. The bridge will be closed to traffic during the school summer break of 2025.

COST CHANGE

Cost increase due to inflation, newly identified subsurface debris/trash landfill, additional utility coordination, and extra erosion and sediment control to fulfill new stormwater permitting requirements.

PROJECT JUSTIFICATION

The proposed replacement work will mitigate the frequent flooding of five residential properties and local streets upstream of the bridge; mitigate occasional roadway flooding on Dennis Avenue that causes significant traffic delays; and eliminate annual maintenance repairs required for this deteriorating structure. The existing bridge is rapidly deteriorating and is nearing the end of its estimated service life.

OTHER

The December 2018 Technical Update to the Master Plan of Highways and Transitways designates Dennis Avenue as Minor Arterial Road (MA-17) with a minimum right-of-way of 80 feet. The December 2018 Montgomery County Bicycle Master Plan recommends a sidepath (shared use path) on the north side. Streetlights, crosswalks, sidewalk ramps, bikeways, and other pertinent issues are being considered in the design of the project to ensure pedestrian safety. The funding shown as "Intergovernmental" is from WSSC Water for its share of the project cost.

FISCAL NOTE

In FY23, this project received transfers totaling \$438,000 from P502006 Davis Mill Road Emergency Stabilization (\$7,000), P500717 Montrose Parkway East (\$337,000), and P501200 Platt Ridge Drive Extended (\$94,000).

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, Montgomery County Department of Environmental Protection, Montgomery County Department of Permitting Services, Montgomery County Public Schools, Montgomery County Department of Police, Montgomery County Fire and Rescue Service, Montgomery County Ride On Bus, Maryland-National Capital Park and Planning Commission, Utilities, and Wheaton Regional Dam Flooding Mitigation (CIP Project #801710).