



# Dennis Ave Bridge M-0194 Replacement (P501701)

Category	Transportation	Date Last Modified	02/13/18
SubCategory	Bridges	Administering Agency	Transportation
Planning Area	Kensington-Wheaton	Status	Planning Stage

## 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	760	-	40	720	60	60	40	160	400	-	-
Land	100	-	-	100	-	-	-	100	-	-	-
Site Improvements and Utilities	1,000	-	-	1,000	-	-	-	-	1,000	-	-
Construction	3,750	-	-	3,750	-	-	-	1,000	2,750	-	-
<b>TOTAL EXPENDITURES</b>	<b>5,610</b>	<b>-</b>	<b>40</b>	<b>5,570</b>	<b>60</b>	<b>60</b>	<b>40</b>	<b>1,260</b>	<b>4,150</b>	<b>-</b>	<b>-</b>

## 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
Federal Aid	3,270	-	-	3,270	-	-	-	720	2,550	-	-
G.O. Bonds	2,340	-	40	2,300	60	60	40	540	1,600	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>5,610</b>	<b>-</b>	<b>40</b>	<b>5,570</b>	<b>60</b>	<b>60</b>	<b>40</b>	<b>1,260</b>	<b>4,150</b>	<b>-</b>	<b>-</b>

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	40	Year First Appropriation	
Appropriation FY 20 Request	-	Last FY's Cost Estimate	5,610
Cumulative Appropriation	160		
Expenditure / Encumbrances	-		
Unencumbered Balance	160		

## 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 pre-stressed concrete voided slabs carrying a 24-foot roadway, two 6-foot shoulders, and two 5'-8" sidewalks. The proposed replacement bridge includes a single 75-foot span structure carrying a 24-foot roadway, two 6-foot shoulders, and two 7-foot sidewalks. The project includes approach roadway work at each end of the bridge as necessary to tie-in to the existing roadway. 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 is located on Dennis Avenue approximately 1,800 feet east of the intersection of Georgia Avenue and Dennis Avenue.

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## CAPACITY

The roadway Average Daily Traffic (ADT) is approximately 14,000 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 of 2021. Land will be purchased in 2021. Construction is scheduled to start in spring 2022 and be completed in summer 2022. Dennis Avenue will be closed to vehicular traffic during the summer of 2022.

## 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 1989 Kensington-Wheaton Master Plan designates Dennis Avenue as Arterial (A-59) with a minimum right-of-way of 80 feet. The County Bikeways Functional Masterplan designates Dennis Avenue as a signed, shared roadway (SR-55). Streetlights, crosswalks, sidewalk ramps, bikeways and other pertinent issues are being considered in the design of the project to ensure pedestrian safety.

## DISCLOSURES

A pedestrian impact analysis will be performed during design or is in progress.

## COORDINATION

Montgomery County Department of Environmental Protection, Maryland Department of the Environment, Maryland National Capital Park and Planning Commission, Montgomery County Department of Permitting Services, Utilities, Wheaton Regional Dam Flooding Mitigation (CIP Project #801710)