



# Outfall Repairs

(P509948)

Category	Conservation of Natural Resources	Date Last Modified	01/14/22
SubCategory	Storm Drains	Administering Agency	Transportation
Planning Area	Countywide	Status	Ongoing

## 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	5,620	3,213	163	2,244	374	374	374	374	374	374	-
Land	12	12	-	-	-	-	-	-	-	-	-
Construction	8,890	5,590	-	3,300	550	550	550	550	550	550	-
Other	3	3	-	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>14,525</b>	<b>8,818</b>	<b>163</b>	<b>5,544</b>	<b>924</b>	<b>924</b>	<b>924</b>	<b>924</b>	<b>924</b>	<b>924</b>	<b>-</b>

## 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
Current Revenue: Water Quality Protection	2,879	1,132	163	1,584	264	264	264	264	264	264	-
G.O. Bonds	5,357	5,357	-	-	-	-	-	-	-	-	-
Long-Term Financing	1,220	1,220	-	-	-	-	-	-	-	-	-
Water Quality Protection Bonds	5,069	1,109	-	3,960	660	660	660	660	660	660	-
<b>TOTAL FUNDING SOURCES</b>	<b>14,525</b>	<b>8,818</b>	<b>163</b>	<b>5,544</b>	<b>924</b>	<b>924</b>	<b>924</b>	<b>924</b>	<b>924</b>	<b>924</b>	<b>-</b>

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

Appropriation FY 23 Request	1,848	Year First Appropriation	FY99
Appropriation FY 24 Request	-	Last FY's Cost Estimate	10,829
Cumulative Appropriation	8,981		
Expenditure / Encumbrances	8,939		
Unencumbered Balance	42		

## PROJECT DESCRIPTION

This project provides for the repair of existing storm drain outfalls into stream valleys. Design of corrective measures is included when in-kind replacement of original outfall structures is not feasible. Candidate outfall repairs are selected from citizen and public agency requests. The Department of Environmental Protection's (DEP) Miscellaneous Stream Valley Improvements project generates and assists in rating the outfalls, which are identified as that project expands into additional watersheds.

## COST CHANGE

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Cost increase by 100 percent per year due to increased scope related to climate action plan initiatives to address extreme precipitation impacts to storm drain and infrastructure. Funding for FY27 and FY28 has been added to this level of effort project.

## PROJECT JUSTIFICATION

Collapsed storm drain pipe sections, undermined endwalls, and eroded outfall channels create hazardous conditions throughout the County. The course of drainage could be altered endangering private property or public roads and speeding the erosion of stream channels. Erosion from damaged outfalls results in heavy sediment load being carried downstream that can severely impact aquatic ecosystems and exacerbate existing downstream channel erosion. As part of its watershed restoration inventories, DEP identifies storm drain outfalls that are in need of repair in County stream valleys and respective watersheds. As this program expands to include additional watersheds, each outfall is categorized and, where damaged, rated. A functional rating and evaluation process is used to prioritize each outfall.

## OTHER

The number of outfall locations being repaired per year varies based on the severity of the erosion and damage, the complexity of the design, and the complexity of the needed restorative construction work. Completed outfalls in FY20-21: Bennington Drive, Margate Road, Hatherleigh Drive, Glen Road, Loxford Road, Pebble Beach Lane, Whisperwood Road, Buttonwood Lane, Brandyhall Lane, Hollyoak Court, Lambertson Road. Potential Outfalls projects in FY22-23: Georgian Forest Park, Crosby Road, Vandever Street, Garrett Park Road, Lily Stone Drive, and Littleton Street.

## FISCAL NOTE

In FY23-FY28, long-term financing based on the Maryland Water Quality Revolving Loan Fund (WQRLF) was replaced with Water Quality Protection Bonds due to limited eligibility of projects within this CIP under the revolving fund.

## DISCLOSURES

A pedestrian impact analysis has been completed for this project. Expenditures will continue indefinitely.

## COORDINATION

Montgomery County Department of Environmental Protection, Maryland-National Capital Park and Planning Commission, Maryland Department of the Environment, United States Army Corps of Engineers, Montgomery County Department of Permitting Services, Utility Companies, and Miscellaneous Stream Valley Improvements (CIP No. 807359).