Outfall Repairs
(P509948)

Category	Conservation of Natural Resources	Date Last Modified	01/02/18
SubCategory	Storm Drains	Administering Agency	Transportation
Planning Area	Countywide	Status	Ongoing

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	4,219	2,096	503	1,620	270	270	270	270	270	270	-
Land	12	12	-	-	-	-	-	-	-	-	-
Construction	5,671	4,255	264	1,152	192	192	192	192	192	192	-
Other	3	3	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	9,905	6,366	767	2,772	462	462	462	462	462	462	-

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
G.O. Bonds	5,357	5,357	-	-	-	-	-	-	-	-	-
Current Revenue: Water Quality Protection	667	547	120	-	-	-	-	-	-	-	-
Long-Term Financing	2,772	-	-	2,772	462	462	462	462	462	462	-
Water Quality Protection Bonds	1,109	462	647	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	9,905	6,366	767	2,772	462	462	462	462	462	462	-

APPROPRIATION AND EXPENDITURE DATA ($000s)

Appropriation FY 19 Request	462	Year First Appropriation	FY99
Appropriation FY 20 Request	462	Last FY's Cost Estimate	8,981
Cumulative Appropriation	7,133		
Expenditure / Encumbrances	6,661		
Unencumbered Balance	472		

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

Increase due to the addition of FY23-24 to this on-going 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 FY16-17: Dartmouth Avenue, Havard Street, 7600 Rossdhu Court, Sligo Creek at Dennis Avenue, 11820 Hunting Ridge Court, 1301 Dilston Place and 3732 Cardiff Road. Scheduled for repairs (FY18 - beyond): 5009 Elsmere Road, 9124 Hollyoak Drive, 9100 Hollyoak Drive, 11208 Whisperwood Road, 10808 Margate Road, and Shiloh Church Road.

Fiscal Note

In FY19, going forward, Water Quality Protection Bonds have been replaced with Long-Term Financing based on the Maryland Water Quality Revolving Loan Fund (WQRLF) to finance water quality improvement projects with low interest loans which are less costly than bond sales.

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, Miscellaneous Stream Valley Improvements.