

# Outfall Repairs (P509948)

Category Conservation of Natural Resources  
 Sub Category Storm Drains  
 Administering Agency Transportation (AAGE30)  
 Planning Area Countywide

Date Last Modified 12/5/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,679	1,445	614	1,620	270	270	270	270	270	270	0
Land	12	12	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	5,287	4,082	53	1,152	192	192	192	192	192	192	0
Other	3	3	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8,981</b>	<b>5,542</b>	<b>667</b>	<b>2,772</b>	<b>462</b>	<b>462</b>	<b>462</b>	<b>462</b>	<b>462</b>	<b>462</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	5,357	5,357	0	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	2,957	185	0	2,772	462	462	462	462	462	462	0
Water Quality Protection Charge	667	0	667	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8,981</b>	<b>5,542</b>	<b>667</b>	<b>2,772</b>	<b>462</b>	<b>462</b>	<b>462</b>	<b>462</b>	<b>462</b>	<b>462</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 18	462
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,671
Expenditure / Encumbrances		5,999
Unencumbered Balance		672

Date First Appropriation	FY 99	
First Cost Estimate		
Current Scope	FY 17	8,981
Last FY's Cost Estimate		8,981

#### 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 FY21-22 to this on-going level of effort 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 FY14-15: 11101 Schuylkill Road, 10688 Maple Leaf Drive, 20232 Maple Leaf Court, 9112 Falls Bridge Lane, Holman Avenue, 14700 Lake Terrace Court, 8500 Freyman Drive, and Culvert Outfall Repair At Locksley Lane. Scheduled for repairs (FY16 - beyond): Dartmouth Avenue, Harvard Street, 7600 Rossdhu Court, and 9124 Hollyoak Drive.

#### Fiscal Note

Funding source changed from General Obligation Bonds to Water Quality Protection Charge (FY15 and FY16) and Water Quality Protection Bonds (FY17-22).

#### Disclosures

A pedestrian impact analysis has been completed for this project.

Expenditures will continue indefinitely.

#### Coordination

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