



Storm Drain Culvert Replacement

(P501470)

Category	Conservation of Natural Resources	Date Last Modified	12/15/25
SubCategory	Storm Drains	Administering Agency	Transportation
Planning Area	Countywide	Status	Ongoing

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY25	Est FY26	Total 6 Years	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Beyond 6 Years
Planning, Design and Supervision	13,584	2,204	550	10,830	1,805	1,805	1,805	1,805	1,805	1,805	-
Site Improvements and Utilities	18	18	-	-	-	-	-	-	-	-	-
Construction	49,797	18,882	1,971	28,944	4,824	4,824	4,824	4,824	4,824	4,824	-
Other	2	2	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	63,401	21,106	2,521	39,774	6,629	6,629	6,629	6,629	6,629	6,629	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY25	Est FY26	Total 6 Years	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Beyond 6 Years
Current Revenue: Water Quality Protection	30,980	10,836	1,700	18,444	3,074	3,074	3,074	3,074	3,074	3,074	-
G.O. Bonds	1,500	1,500	-	-	-	-	-	-	-	-	-
Water Quality Protection Bonds	30,921	8,770	821	21,330	3,555	3,555	3,555	3,555	3,555	3,555	-
TOTAL FUNDING SOURCES	63,401	21,106	2,521	39,774	6,629	6,629	6,629	6,629	6,629	6,629	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 27 Request	6,629	Year First Appropriation	FY14
Appropriation FY 28 Request	6,629	Last FY's Cost Estimate	31,191
Cumulative Appropriation	23,627		
Expenditure / Encumbrances	21,716		
Unencumbered Balance	1,911		

PROJECT DESCRIPTION

This program will provide for the replacement of failed storm drain pipes and culverts. The County's storm drain infrastructure is aging and many of the metal pipe culverts installed from 1960 through the 1990's have reached the end of their service life. An asset inventory with condition assessments has been developed to better forecast future replacement needs. Going forward, funding will be programmed for both systematic and emergency replacement of these pipes and culverts. Program scope includes: storm water pipe and culvert replacement of both metal and concrete less than six (6) feet in roadway longitudinal length; headwalls, end sections, replacement, or extension of culverts to assure positive flow of stormwater and channeling of stormwater into existing ditch lines or structures. Repairs also include roadside pipe and culvert end treatment safety improvements to eliminate safety hazards. This project will not make major changes to the location or size of existing storm drainage facilities. Structures greater than six-feet-roadway-

longitudinal length are repaired under the Bridge Renovation Program (CIP No. 509753).

COST CHANGE

Cost increase to reflect additional capital expenditures funded in the past through the operating budget plus the addition of FY31 and FY32 to this level of effort project.

PROJECT JUSTIFICATION

This program will address emergency pipe replacements of aging metal and concrete pipes that have reached the end-of-their-service life. The result of these pipe failures has been deep depressions, sinkholes, sediment build-up, open pipe joints, and metal pipe inverts to an unacceptable levels. Existing storm drain conditions are extremely poor. Repairs are needed to improve safety and reduce the potential for hazards and associated public inconvenience. Failure of a storm drain pipe will precipitate emergency repairs at much higher prices. Furthermore, this program provided funding towards developing an asset inventory of the storm drain system including pipe and culvert conditions that helps forecast future funding requirements.

FISCAL NOTE

Funding switches in FY25 and FY26 between Water Quality Protection Bonds and Current Revenue Water Quality Protection Charge to use available fund balance. Maryland Water Quality Revolving Loan Fund (WQRLF) from the Maryland Department of Environment (MDE) was replaced with Water Quality Protection Bonds due to limited eligibility of projects within this CIP under the revolving fund.

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

WSSC Water, Other Utilities, Montgomery County Department of Housing and Community Affairs, Montgomery County Public Schools, Maryland - National Capital Park and Planning Commission, Montgomery County Department of Permitting Services, Regional Services Centers, Community Associations, Montgomery County Pedestrian Safety Advisory Committee, Commission on People with Disabilities.