



Storm Drain Culvert Replacement

(P501470)

Category	Conservation of Natural Resources	Date Last Modified	01/03/23
SubCategory	Storm Drains	Administering Agency	Transportation
Planning Area	Countywide	Status	Ongoing

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY22	Rem FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
Planning, Design and Supervision	3,264	1,303	131	1,830	555	255	255	255	255	255	-
Construction	23,434	11,764	-	11,670	4,445	1,445	1,445	1,445	1,445	1,445	-
Other	2	2	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	26,700	13,069	131	13,500	5,000	1,700	1,700	1,700	1,700	1,700	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY22	Rem FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
Current Revenue: Water Quality Protection	9,000	4,000	3,560	1,440	1,440	-	-	-	-	-	-
G.O. Bonds	1,500	1,500	-	-	-	-	-	-	-	-	-
Long-Term Financing	-	3,560	(3,560)	-	-	-	-	-	-	-	-
Water Quality Protection Bonds	16,200	4,009	131	12,060	3,560	1,700	1,700	1,700	1,700	1,700	-
TOTAL FUNDING SOURCES	26,700	13,069	131	13,500	5,000	1,700	1,700	1,700	1,700	1,700	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 24 Request	1,700	Year First Appropriation	FY14
Cumulative Appropriation	18,200	Last FY's Cost Estimate	26,700
Expenditure / Encumbrances	13,133		
Unencumbered Balance	5,067		

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-foot-roadway-longitudinal length are repaired under the Bridge Renovation Program, (CIP No. 509753).

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

In FY23-FY28, long-term financing based on the 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. FY22 amendment and funding switch to reduce Long-Term Financing and replace it with Water Quality Protection Bonds. FY23 funding switch between Long-Term Financing and Current Revenue: WQPC to fund expenditures incurred in FY19-21 under the MDE loan that will not materialize and reprogramming of expenditures originally under CR:WQPC with WQPC Bonds.

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

Washington Suburban Sanitary Commission, Washington Gas Company, Montgomery County Department of Permitting Services, Pepco, Cable TV, Verizon, Montgomery County Public Schools, Regional Service Centers, Community Association's, Commission on People With Disabilities, Maryland Department of Environment, Montgomery County Department of Environmental Protection, and United States Army Corps of Engineers.