Misc Stream Valley Improvements
(P807359)

Category	Conservation of Natural Resources	Date Last Modified	01/11/19
SubCategory	Stormwater Management	Administering Agency	Environmental Protection
Planning Area	Countywide	Status	Ongoing

EXPENDITURE SCHEDULE ($000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	6,981	4,431	-	2,550	700	840	470	180	180	180	-
Land	2	2	-	-	-	-	-	-	-	-	-
Site Improvements and Utilities	1	1	-	-	-	-	-	-	-	-	-
Construction	16,303	3,863	-	12,440	4,460	6,820	1,160	-	-	-	-
Other	646	646	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	23,933	8,943	-	14,990	5,160	7,660	1,630	180	180	180	-

FUNDING SCHEDULE ($000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Long-Term Financing	9,579	-	-	9,579	3,279	6,300	-	-	-	-	-
State Aid	5,181	3,681	-	1,500	500	500	500	-	-	-	-
Water Quality Protection Bonds	4,172	4,172	-	-	-	-	-	-	-	-	-
Current Revenue: Water Quality Protection	2,676	-	-	2,676	1,086	660	930	-	-	-	-
Stormwater Management Waiver Fees	2,325	1,090	-	1,235	295	200	200	180	180	180	-
TOTAL FUNDING SOURCES	23,933	8,943	-	14,990	5,160	7,660	1,630	180	180	180	-

OPERATING BUDGET IMPACT ($000s)

Impact Type		Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24
Maintenance		160	20	30	20	5	35	50
NET IMPACT		160	20	30	20	5	35	50

APPROPRIATION AND EXPENDITURE DATA ($000s)

Appropriation FY 20 Approp. Request	-	Year First Appropriation	FY73
Cumulative Appropriation	28,093	Last FY's Cost Estimate	45,264
Expenditure / Encumbrances	16,773		
Unencumbered Balance	11,320		

PROJECT DESCRIPTION

This project provides for design and construction of habitat restoration or stabilization measures for stream reaches having significant channel erosion, sedimentation, and habitat degradation. Developed areas constructed without current stormwater controls contribute uncontrolled runoff which results in eroded streambanks, excessive sediment, tree loss, and degraded habitat for fish and aquatic life. Stormdrain outfalls damaged from severe erosion are identified and, where possible, the outfalls are repaired as part of stream restoration projects - funded from the Outfall Repairs project (No. 509948). Stream deterioration can also adversely affect sanitary sewer crossings by exposing sewer lines and manholes, which in turn can be fish barriers and leak raw sewage into streams or allow infiltration of stream baseflow into the sewer system, potentially causing substantial increases in wastewater treatment costs.

COST CHANGE

Project decrease in FY20 is due to updated progress towards meeting MS4 permit and a FY19 transfer of $3,121,000 in Long-Term Financing to the SM Design/Build/Maintain Contract project (No. 801901, Resolution 18-1185). FY18 cost increase of $189,000 due to construction bids coming in higher than budgeted.

PROJECT JUSTIFICATION

The project supports the requirements of the County's MS4 permit and addresses the goals of the Chesapeake Bay Watershed Agreement, Anacostia Watershed Restoration Agreement, and the County's adopted water quality goals (Chapter 19, Article IV). The project will stabilize and improve local stream habitat conditions where streams have been damaged by inadequately controlled stormwater runoff. Corrective measures constructed or coordinated under this project include stream bank stabilization, channel modifications, habitat restoration, storm drain outfall or sanitary sewer infrastructure repairs to improve fish and other biological resources, while reducing sediment and nutrient loadings caused by excessive streambank erosion. The Facility Planning: SM project (No. 809319) includes funds for watershed studies and identifies and prioritizes stream reaches in need of restoration and protection.

OTHER

The Department of Environmental Protection identifies damaged sewer lines as part of this project, and the Washington Suburban Sanitary Commission makes sewer repairs during project construction. Projects planned for design and construction include Glenstone, Fallsreach, Flints Grove Stream, and Booze Creek Repairs. CIP project includes funding for stream restoration study of Anacostia Watershed by the Army Corps of Engineers.

FISCAL NOTE

This project assumes the award of Maryland Water Quality Revolving Loan Funds (Long-Term Financing) over the six-year period, which would replace Water Quality Protection Bonds as the primary source of funding for the program. While the State of Maryland has indicated a desire to provide funding, all indicated State Aid is preliminary. Expenditures in the outyears include expected costs to meet the requirements of the County's next MS4 permit. The scope of the next MS4 permit is subject to negotiation with the Maryland Department of Environment. Costs in out years included cost of stream monitoring. Project decrease in FY20 is due to updated progress towards meeting MS4 permit and a FY19 transfer of $3,121,000 in Long-Term Financing to the SM Design/Build /Maintain Contract project (No. 801901, Resolution 18-1185). FY18 cost increase of $189,000 due to construction bids coming in higher than budgeted.

DISCLOSURES

Expenditures will continue indefinitely. The County Executive asserts that this project conforms to the requirement of relevant local

plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Department of Transportation, Maryland-National Capital Park and Planning Commission, Washington Suburban Sanitary Commission, Department of Permitting Services, Maryland Department of the Environment, Maryland Department of Natural Resources.