

Category Conservation of Natural Resources Date Last Modified 12/29/17

SubCategory Stormwater Management Administering Agency Environmental Protection

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 | 18,507 | 3,457 | 2,002 | 13,048 | 2,155 | 2,097 | 1,933 | 2,233 | 2,287 | 2,343 | - |
| Land | 2 | 2 | - | - | - | - | - | - | - | - | - |
| Site Improvements and Utilities | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Construction | 62,229 | 3,612 | 3,843 | 54,774 | 14,114 | 18,528 | 3,247 | 6,295 | 6,295 | 6,295 | - |
| Other | 582 | 582 | - | - | - | - | - | - | - | - | - |
| TOTAL EXPENDITURES | 81,321 | 7,654 | 5,845 | 67,822 | 16,269 | 20,625 | 5,180 | 8,528 | 8,582 | 8,638 | - |

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 |
|---|--------|-----------|----------|------------------|--------|--------|-------|-------|-------|-------|-------------------|
| Current Revenue: Water Quality Protection | 10,074 | - | 1,984 | 8,090 | 4,150 | 3,940 | - | - | - | - | - |
| Long-Term Financing | 49,332 | - | - | 49,332 | 10,919 | 15,485 | 3,180 | 6,528 | 6,582 | 6,638 | - |
| State Aid | 12,859 | 3,659 | - | 9,200 | 1,000 | 1,000 | 1,800 | 1,800 | 1,800 | 1,800 | - |
| Stormwater Management Waiver Fees | 2,099 | 499 | 400 | 1,200 | 200 | 200 | 200 | 200 | 200 | 200 | - |
| Water Quality Protection Bonds | 6,957 | 3,496 | 3,461 | - | - | - | - | - | - | - | - |
| TOTAL FUNDING SOURCES | 81,321 | 7,654 | 5,845 | 67,822 | 16,269 | 20,625 | 5,180 | 8,528 | 8,582 | 8,638 | - |

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 19 Request | 13,661 | Year First Appropriation | FY73 |
|-----------------------------|--------|--------------------------|--------|
| Appropriation FY 20 Request | 5,140 | Last FY's Cost Estimate | 70,259 |
| Cumulative Appropriation | 37,947 | | |
| Expenditure / Encumbrances | 15,529 | | |
| Unencumbered Balance | 22,418 | | |

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

Increase is due to the addition of FY23-24 to this ongoing level of effort project and and increased emphasis on stream restoration projects to meet Municipal Separate Storm Sewer System (MS4) permit requirements.

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 Fallsreach, Flints Grove Stream, Germantown Park Stream, Lower Snowdens & Falling Creek, Stonybrook Tributary, Gunners Branch, Plum Gar Stream, Bel Pre Creek, Old Farm Creek, Grosvenor Tributary, Clearspring Manor Stream, Booze Creek Repairs, Derby Ridge, and Glenallen.

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.

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.