

Sewer Reconstruction Program

A. Identification and Coding Information		
Agency Number	Project Number	Update Code
S - 000001.01		Change

PDF Date	October 1, 2024
Date Revised	

Pressure Zones	
Drainage Basins	Bi-County 30
Planning Areas	Bi-County

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY24	Estimate FY'25	Total 6 Years	Year 1 FY'26	Year 2 FY'27	Year 3 FY'28	Year 4 FY'29	Year 5 FY'30	Year 6 FY'31	Beyond 6 Years
Planning, Design & Supervision	32,815		4,982	27,833	5,239	4,417	4,526	4,394	4,548	4,709	
Land											
Construction	312,181		34,300	277,881	41,704	45,002	45,822	46,819	48,458	50,076	
Other	34,509		3,929	30,580	4,694	4,943	5,035	5,122	5,300	5,486	
Total	379,505		43,211	336,294	51,637	54,362	55,383	56,335	58,306	60,271	

C. Funding Schedule (000's)

WSSC Bonds	239,505		23,211	216,294	31,637	34,362	35,383	36,335	38,306	40,271	
State Aid	140,000		20,000	120,000	20,000	20,000	20,000	20,000	20,000	20,000	

D. Description & Justification

DESCRIPTION

This program provides for comprehensive sewer system rehabilitation in residential areas of sewer mains less than 15-inches in diameter and sewer house connections, addressing infiltration and inflow control, and exposed pipe problems. This program does not include any major capital projects (e.g. CIP size relief or replacement sewers). These are funded separately in the CIP.

*EXPENDITURES FOR SEWER RECONSTRUCTION ARE EXPECTED TO CONTINUE INDEFINITELY.

BENEFIT

Regulatory & Other Agreements: This project is required to meet regulatory requirements, multi-jurisdictional agreements, and/or consent decrees; Infrastructure Reinvestment: This project replaces existing infrastructure that has exceeded its useful life; Environmental Sustainability: This project supports WSSC Water's commitment to protect the natural environment of Prince George's and Montgomery Counties

JUSTIFICATION

The projected work units and expenditure levels for FY'26 are as follows: 25 miles of main and lateral design & construction - \$36.02M; sewer house connection renewals - \$9.62M; enhanced grouting - \$2.6; emergency repairs - \$2.3M. Note: The specific mix and type of sewer reconstruction may vary in any given year depending on identified system defects. Projections are based on historical experience with regards to timing of design and construction work and availability of authorized contractors.

Comprehensive Basin Studies, Sewer System Evaluation Surveys, Line Blockage Assessments, field surveys, closed-circuit TV inspections, and/or other activities investigating specific portions of the collection system. Annual Buried Wastewater Assets System Asset Management Plan. FY'25 Enterprise Asset Management Plan (May 2023).

COST CHANGE

Program costs reflect the latest schedule and expenditure estimates based upon the current plan for the completion of Phase 2 (Priority 2 and Priority 3) Consent Decree work and the recommendations from the Buried Wastewater Assets System Asset Management Plan.

OTHER

The project scope has remained the same. The schedule and expenditure projections shown in Block B above reflect the terms of the Sanitary Sewer Overflow Consent Decree between WSSC Water, Maryland Department of the Environment (MDE), and the EPA, entered into on December 7, 2005. WSSC Water has applied for low interest loans and grant funding through MDE's Water Infrastructure Financing Administration's Water Quality Revolving Loan Fund Program and grant funding from MDE's Bay Restoration Fund for portions of this program. The sewer reconstruction program was established in 1979. Some expenditures for grouting repairs are included in the Operating Budget. The following work accomplishments through FY'22 summarize the magnitude of this reconstruction effort: sewer main reconstruction, 570 miles; and sewer house connection renewals, 24,088. It is anticipated that sewer reconstruction activity will be a perpetual element of future work programs.

E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance		
Debt Service		\$13,275
Total Cost		\$13,275
Impact on Water and Sewer Rate		\$0.03

F. Approval and Expenditure Data (000's)

Date First in Program	
Date First Approved	
Initial Cost Estimate	
Cost Estimate Last FY	534,990
Present Cost Estimate	379,505
Approved Request Last FY	73,569
Total Expense & Encumbrances	
Approval Request Year 1	51,637

G. Status Information

Land Status	Not Applicable
Project Phase	On-Going
Percent Complete	0 %
Estimated Completion Date	On-Going
Growth	
System Improvement	100%
Environmental Regulation	
Population Served	
Capacity	

H. Map

MAP NOT APPLICABLE

COORDINATION

Coordinating Agencies: Local Community Civic Associations; Maryland Department of the Environment; Maryland State Highway Administration; Montgomery County Department of Public Works and Transportation; Montgomery County Government; Prince George's County Government; Prince George's County Department of Permitting Inspection and Enforcement; U.S. Environmental Protection Agency, Region III

Coordinating Projects: S - 000001.02 - Hi-Influent Infiltration Basin Rehabilitation; S - 000170.09 - Trunk Sewer Reconstruction Program