

Facility Planning: Storm Drains -- No. 508180

Category
Agency
Planning Area
Relocation Impact

Conservation of Natural Resources
Public Works & Transportation
Countywide
None

Date Last Modified
Required Adequate Public Facility

May 19, 2006
NO

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY05	Est. FY06	Total 6 Years	FY07	FY08	FY09	FY10	FY11	FY12	Beyond 6 Years
Planning, Design and Supervision	4,103	2,475	328	1,300	300	200	200	200	200	200	0
Land	49	49	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities											
Construction	29	29	0	0	0	0	0	0	0	0	0
Other	3	3	0	0	0	0	0	0	0	0	0
Total	4,184	2,556	328	1,300	300	200	200	200	200	200	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	101	101	0	0	0	0	0	0	0	0	0
Current Revenue:											
General	4,083	2,455	328	1,300	300	200	200	200	200	200	0

ANNUAL OPERATING BUDGET IMPACT (\$000)

DESCRIPTION

This project provides for the investigation and analysis of various storm drainage assistance requests initiated by private citizens and public agencies. These requests are related to the design, construction, and operation of public drainage facilities where flooding and erosion occur. This project includes expenditures for the preliminary and final design and land acquisition for storm drain projects prior to inclusion in the Storm Drain General project, or as a stand-alone project in the CIP. Prior to its inclusion in the CIP, the Department of Public Works and Transportation (DPWT) will conduct a feasibility study to determine the general and specific features required for the project. Candidate projects currently are evaluated from the "Drainage Assistance Request" list. As part of the facility planning process, DPWT considers citizen and public agency requests and undertakes a comprehensive analysis of storm drainage issues and problems being experienced in the County. This analysis is used to select areas where a comprehensive long-term plan for the remediation of a problem may be required. No construction activities are performed in this project. When a design is 35% complete, an evaluation is performed to determine if right-of-way is needed. Based on the need for right-of-way, the project may proceed to final design and the preparation of right-of-way plats under this project. The cost of right-of-way acquisition will be charged to the Advanced Land Acquisition Revolving Fund (ALARF). When designs are complete, projects with a construction cost under \$500,000 will be constructed in the Storm Drain General project. Projects with a construction cost over \$500,000 will be constructed in stand-alone projects.

Capacity

Analysis and proposed designs are generally based on accommodation of the runoff from a ten-year storm frequency interval.

Plans and Studies

Evaluation, justification, and cost-benefit analysis are completed by DPWT as necessary. In the case of participation projects, the preparation of drainage studies and preliminary plans will be prepared by the requestor's engineer and reviewed by DPWT. A pedestrian impact analysis has been completed for this project.

Cost Change

Cost increase is due to additional work in FY07 and the addition of FY11 and FY12 to this ongoing program.

STATUS

Ongoing

OTHER

Before being added as a sub-project, concept studies are evaluated based on the following factors: public safety, damage to private property, frequency of event, damage to public right of way, environmental factors such as erosion, general public benefit, availability of right of way and 5:1 benefit cost ratio. In the case of public safety or severe damage to private property, the 5:1 benefit (damage prevented) cost ratio can be waived. Drainage assistance requests are evaluated on a continuing basis in response to public requests. DPWT maintains a database of complaints.

Construction Projects:

Manor Park - under construction, 78th street - completed

Candidate Projects for FY07:

Linden Lane, Brookville Road, Eldrid Drive and Johnson Avenue, Henderson Avenue, Glen Echo Heights

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	(\$000)
Initial Cost Estimate		156
First Cost Estimate		
Current Scope	FY07	4,184
Last FY's Cost Estimate		3,684
Present Cost Estimate		4,184
Appropriation Request	FY07	300
Appropriation Request Est.	FY08	200
Supplemental Appropriation Request	FY06	0
Transfer		0
Cumulative Appropriation		2,884
Expenditures/Encumbrances		2,813
Unencumbered Balance		71
Partial Closeout Thru	FY04	0
New Partial Closeout	FY05	0
Total Partial Closeout		0

COORDINATION

Montgomery County Department of Environmental Protection
Maryland-National Capital Park and Planning Commission
Maryland Department of the Environment
United States Army Corps of Engineers
Montgomery County Department of Permitting Services
Utility Companies
Annual Sidewalk Program(CIP No. 506747)

MAP

