# Facility Planning: Storm Drains -- No. 508180

| | | | |
|---|---|---|---|
| Category | Conservation of Natural Resources | Date Last Modified | January 05, 2008 |
| Subcategory | Storm Drains | Required Adequate Public Facility | No |
| Administering Agency | Public Works & Transportation | Relocation Impact | None. |
| Planning Area | Countywide | Status | On-going |

## EXPENDITURE SCHEDULE ($000)

| Cost Element | Total | Thru FY07 | Est. FY08 | Total 6 Years | FY09 | FY10 | FY11 | FY12 | FY13 | FY14 | Beyond 6 Years |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning, Design, and Supervision | 4,732 | 2,986 | 246 | 1,500 | 250 | 250 | 250 | 250 | 250 | 250 | 0 |
| Land | 119 | 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site Improvements and Utilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **4,884** | **3,138** | **246** | **1,500** | **250** | **250** | **250** | **250** | **250** | **250** | * |

## FUNDING SCHEDULE ($000)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Current Revenue: General | 4,783 | 3,037 | 246 | 1,500 | 250 | 250 | 250 | 250 | 250 | 250 | 0 |
| G.O. Bonds | 101 | 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **4,884** | **3,138** | **246** | **1,500** | **250** | **250** | **250** | **250** | **250** | **250** | **0** |

### 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 percent 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

Projects will be designed to accommodate the ten-year storm frequency interval.

### COST CHANGE

Cost increase is due to backlog projects to be evaluated and designed and the addition of FY13 and FY14 to this ongoing project.

### JUSTIFICATION

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.

### 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.
Constructiuon Projects Completed: Brookville Rd., Thomlinson Ave., Snider Ln., Beech Ave., Aramat Dr.
Under Construction: Linden Ln., Eldrid Dr., Johnson Ave.
Candidate Projects for FY09 and FY10: Town of Glen Echo, Village of Chevy Chase, Whittier Blvd., Marymount Rd., Springloch Rd., Arrowood Dr.

### OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.

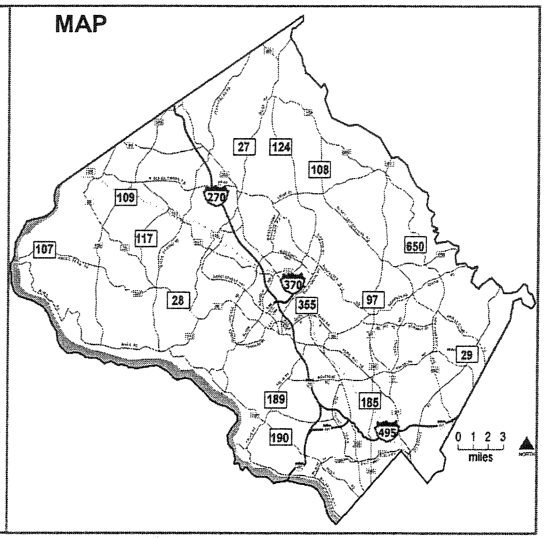
### APPROPRIATION AND EXPENDITURE DATA

| | | |
|---|---|---|
| Date First Appropriation | FY81 | ($000) |
| First Cost Estimate Current Scope | FY09 | 4,884 |
| Last FY's Cost Estimate | | 4,184 |
| Appropriation Request | FY09 | 250 |
| Appropriation Request Est. | FY10 | 250 |
| Supplemental Appropriation Request | | 0 |
| Transfer | | 0 |
| Cumulative Appropriation | | 3,384 |
| Expenditures / Encumbrances | | 3,240 |
| Unencumbered Balance | | 144 |
| Partial Closeout Thru | FY06 | 0 |
| New Partial Closeout | FY07 | 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

### MAP



- * Expenditures will continue indefinitely.