

# Facility Planning: Storm Drains -- No. 508180

Category  
Subcategory  
Administering Agency  
Planning Area

**Conservation of Natural Resources**  
**Storm Drains**  
**Transportation**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**March 18, 2009**  
**No**  
**None.**  
**On-going**

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	4,705	3,222	8	1,475	250	225	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	32	32	0	0	0	0	0	0	0	0	0
Other	3	2	1	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,859</b>	<b>3,375</b>	<b>9</b>	<b>1,475</b>	<b>250</b>	<b>225</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

Current Revenue: General	4,758	3,274	9	1,475	250	225	250	250	250	250	0
G.O. Bonds	101	101	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,859</b>	<b>3,375</b>	<b>9</b>	<b>1,475</b>	<b>250</b>	<b>225</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>0</b>

### 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 Transportation (DOT) 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, DOT 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

Reduce funding and expenditures for fiscal capacity in FY10.

### JUSTIFICATION

Evaluation, justification, and cost-benefit analysis are completed by DOT 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 DOT.

### 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. DOT maintains a database of complaints.

Construction 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.
- \* Expenditures will continue indefinitely.

### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	(\$000)
First Cost Estimate	FY10	4,859
Last FY's Cost Estimate		4,884
Appropriation Request	FY10	225
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,634
Expenditures / Encumbrances		3,414
Unencumbered Balance		220
Partial Closeout Thru	FY07	0
New Partial Closeout	FY08	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

