

# Facility Planning: Storm Drains (P508180)

Category Conservation of Natural Resources  
 Sub Category Storm Drains  
 Administering Agency Transportation (AAGE30)  
 Planning Area Countywide

Date Last Modified 12/23/13  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	6,181	4,244	277	1,660	250	250	290	290	290	290	0
Land	142	142	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	37	37	0	0	0	0	0	0	0	0	0
Other	4	4	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>6,364</b>	<b>4,427</b>	<b>277</b>	<b>1,660</b>	<b>250</b>	<b>250</b>	<b>290</b>	<b>290</b>	<b>290</b>	<b>290</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	4,103	4,103	0	0	0	0	0	0	0	0	0
G.O. Bonds	101	101	0	0	0	0	0	0	0	0	0
Water Quality Protection Charge	2,160	223	277	1,660	250	250	290	290	290	290	0
<b>Total</b>	<b>6,364</b>	<b>4,427</b>	<b>277</b>	<b>1,660</b>	<b>250</b>	<b>250</b>	<b>290</b>	<b>290</b>	<b>290</b>	<b>290</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	250
Appropriation Request Est.	FY 16	250
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,704
Expenditure / Encumbrances		4,443
Unencumbered Balance		261

Date First Appropriation	FY 81
First Cost Estimate	
Current Scope	FY 15 6,364
Last FY's Cost Estimate	5,784
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	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 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

Increase due to the addition of FY19 and FY 20 to this on-going level of effort project

## Justification

Evaluation, justification, and cost-benefit analysis are completed by DOT as necessary. In the case of participation projects, drainage studies and preliminary plans will be prepared by the requestor's engineer and reviewed by DOT. A review of impacts to pedestrians, bicyclists, and ADA (Americans with Disabilities Act of 1991) is being performed and addressed for each subproject in this project. Traffic signals, streetlights, crosswalks, bus stops, ADA ramps, bikeways and other pertinent issues are being considered in the design of the project to ensure pedestrian safety.

## 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 cost benefit ratio. In the case of public safety or severe damage to private property, the 5:1 cost benefit damage prevented 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: Meadowood Dr, Chicago Ave, Dalton Rd-Westport Rd, Old Chester Rd, Easley St-Houston St, Whites Ferry Rd. Candidate Projects for FY15-16: Linton St-Patton St, Hollywood Ave.

## Disclosures

A pedestrian impact analysis has been completed for this project.

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Expenditures will continue indefinitely.

### **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)