

Facility Planning: Storm Drains (P508180)

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

Date Last Modified 11/17/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	6,760	4,694	326	1,740	290	290	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	5	5	0	0	0	0	0	0	0	0	0
Total	6,944	4,878	326	1,740	290	290	290	290	290	290	0

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	2,740	674	326	1,740	290	290	290	290	290	290	0
Total	6,944	4,878	326	1,740	290	290	290	290	290	290	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	290
Appropriation Request Est.	FY 18	290
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		5,204
Expenditure / Encumbrances		4,888
Unencumbered Balance		316

Date First Appropriation	FY 81	
First Cost Estimate		
Current Scope	FY 17	6,944
Last FY's Cost Estimate		6,364

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 FY21 and FY22 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

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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: Linton St-Patton Dr, Hollywood Ave, Jamieson Dr, Langley Dr at Kimes St, Dorset Ave, Sangamore Rd at Madawaska Rd, Northfield Rd, Hampton Ln, Tomlinson Ave at 77th St, 78th St at Macarthur Blvd, Nebel St at Old Georgetown Rd, Piney Meetinghouse Rd, Devon Rd, Falmouth Rd at Blakeford Ct, Garnett Dr, Chapel Hill Rd, Elkhart St, Ridgefield Rd, Iroquois Rd, Edson Ln at Edson park Pl, Armat Dr, Langdrum Ln, Westlake Dr, Barkwater Ct, Falls Rd, Graybill Dr, Old Bonifant Rd, Hornbeam Dr, Rosemere Ave, Decatur Ave, Diamondback Dr, Berryville Rd, Marlow Rd, Ellsworth Dr, Verne St to Wynkoop Blvd, East Melbourne Ave, Greenwood Ave and Division St. Candidate Projects for FY17 and FY18: 80th Street, Norvale Road, Sherwood Forest, 83rd Street, Forest Road

Disclosures

A pedestrian impact analysis has been completed for this project.

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)