



# Facility Planning: Storm Drains

(P508180)

Category	Conservation of Natural Resources	Date Last Modified	01/14/22
SubCategory	Storm Drains	Administering Agency	Transportation
Planning Area	Countywide	Status	Ongoing

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
Planning, Design and Supervision	9,767	6,387	500	2,880	480	480	480	480	480	480	-
Land	147	147	-	-	-	-	-	-	-	-	-
Construction	47	47	-	-	-	-	-	-	-	-	-
Other	5	5	-	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>9,966</b>	<b>6,586</b>	<b>500</b>	<b>2,880</b>	<b>480</b>	<b>480</b>	<b>480</b>	<b>480</b>	<b>480</b>	<b>480</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
Current Revenue: General	4,103	4,103	-	-	-	-	-	-	-	-	-
Current Revenue: Water Quality Protection	5,680	2,382	418	2,880	480	480	480	480	480	480	-
Federal Aid	82	-	82	-	-	-	-	-	-	-	-
G.O. Bonds	101	101	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>9,966</b>	<b>6,586</b>	<b>500</b>	<b>2,880</b>	<b>480</b>	<b>480</b>	<b>480</b>	<b>480</b>	<b>480</b>	<b>480</b>	<b>-</b>

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	480	Year First Appropriation	FY81
Appropriation FY 24 Request	480	Last FY's Cost Estimate	8,284
Cumulative Appropriation	7,086		
Expenditure / Encumbrances	6,620		
Unencumbered Balance	466		

## PROJECT 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 Capital Improvements Program (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

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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 by 50 percent per year due to increased scope related to climate action plan initiatives to address extreme precipitation impacts to storm drain and infrastructure. FY27 and FY28 funding has also been added to this level of effort project.

## 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. 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 damage prevented 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. Recent construction projects completed include: Menlo Avenue, Windmill Lane, Eastwood Avenue, Tomlinson Avenue, Tranford Road, Thornley Court, McComas Avenue, Roosevelt Avenue, Greenfield Street, Decatur Avenue, Stonington Place, Brookside Drive, Warren Street, Windsor Lane, Charen Lane, Goshen Road, Burdette Avenue, Pearson Street, Pearson Street, Stable Lane, Springridge Road, Wildwood Shopping Center. Candidate Projects for FY22 and FY23: Reading Road, Kenilworth Driveway, Railroad Street, Conway Drive, Easley Street, Saul Road, Lucas Lane, Parkwood Drive, Fairfax Road, Highview Drive, Gardiner Avenue, Macarthur Blvd at Persimmon Tree Road.

## FISCAL NOTE

FY21 supplemental for \$81,622 in Federal Aid for River Falls drainage study.

## 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,

