



# SM Retrofit - Roads

(P801300)

Category	Conservation of Natural Resources	Date Last Modified	02/28/19
SubCategory	Stormwater Management	Administering Agency	Environmental Protection
Planning Area	Countywide	Status	Ongoing

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	7,360	7,192	118	50	50	-	-	-	-	-	-
Construction	8,523	8,523	-	-	-	-	-	-	-	-	-
Other	23	23	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	15,906	15,738	118	50	50	-	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
State Aid	9,431	9,313	118	-	-	-	-	-	-	-	-
Water Quality Protection Bonds	6,475	6,425	-	50	50	-	-	-	-	-	-
TOTAL FUNDING SOURCES	15,906	15,738	118	50	50	-	-	-	-	-	-

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

Appropriation FY 20 Approp. Request	(3,454)	Year First Appropriation	FY13
Cumulative Appropriation	19,360	Last FY's Cost Estimate	19,256
Expenditure / Encumbrances	18,771		
Unencumbered Balance	589		

## PROJECT DESCRIPTION

This project provides for the design and construction of Environmental Site Design (ESD)/Low Impact Development (LID) stormwater management devices along County roads constructed prior to modern stormwater management controls. ESD/LID stormwater devices include bioretention, curb extensions, porous concrete, tree box inlets, and other types of devices that promote water filtering and groundwater recharge.

## COST CHANGE

Project decrease in FY20 is due to updated progress towards meeting MS4 permit and a FY19 transfer of \$49,000 in Long-Term Financing to the SM Design/Build/Maintain Contract project (No. 801901, Resolution 18-1185).

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## PROJECT JUSTIFICATION

This project supports the requirements of the County's Municipal Separate Storm Sewer System (MS4) permit and addresses the goals of the Chesapeake Bay Watershed Agreement and the County's adopted water quality goals (Chapter 19, Article IV). The County's MS4 permit requires that the County provide stormwater controls for 20 percent of impervious surfaces not currently treated to the maximum extent practicable, with an emphasis, where possible, on the use of ESD/LID devices. This project will be responsible for controlling stormwater on County roads, largely through ESD/LID practices, as needed to satisfy the permit requirements.

## OTHER

A portion of these potential ESD/LID stormwater retrofits on County roads were previously programmed under the SM Retrofit - Government Facilities project (No. 800900). This stand-alone project includes potential ESD/LID projects for County roads and allows for a more efficient implementation of projects of similar scope in partnership with the Department of Transportation (DOT).

## FISCAL NOTE

Project decrease in FY20 is due to updated progress towards meeting MS4 permit and a FY19 transfer of \$49,000 in Long-Term Financing to the SM Design/Build/Maintain Contract project (No. 801901, Resolution 18-1185).

## DISCLOSURES

Expenditures will continue indefinitely.

## COORDINATION

Department of General Services, Department of Transportation, Maryland-National Capital Park and Planning Commission, Department of Permitting Services, Maryland Department of the Environment, United States Army Corps of Engineers, Maryland Department of Natural Resources.