

# SM Retrofit - Schools (P801301)

Category Conservation of Natural Resources  
 Sub Category Stormwater Management  
 Administering Agency Environmental Protection (AAGE07)  
 Planning Area Countywide

Date Last Modified 5/5/16  
 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 |
|--------------------------------------|---------------|------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>EXPENDITURE SCHEDULE (\$000s)</b> |               |            |              |               |              |              |              |              |              |              |              |
| Planning, Design and Supervision     | 7,023         | 972        | 865          | 5,186         | 1,050        | 918          | 968          | 956          | 751          | 543          | 0            |
| Land                                 | 0             | 0          | 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                         | 8,651         | 0          | 584          | 8,067         | 1,436        | 1,030        | 1,537        | 1,331        | 1,390        | 1,343        | 0            |
| Other                                | 0             | 0          | 0            | 0             | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| <b>Total</b>                         | <b>15,674</b> | <b>972</b> | <b>1,449</b> | <b>13,253</b> | <b>2,486</b> | <b>1,948</b> | <b>2,505</b> | <b>2,287</b> | <b>2,141</b> | <b>1,886</b> | <b>0</b>     |

| <b>FUNDING SCHEDULE (\$000s)</b> |               |            |              |               |              |              |              |              |              |              |          |
|----------------------------------|---------------|------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|
| Water Quality Protection Bonds   | 15,674        | 972        | 1,449        | 13,253        | 2,486        | 1,948        | 2,505        | 2,287        | 2,141        | 1,886        | 0        |
| <b>Total</b>                     | <b>15,674</b> | <b>972</b> | <b>1,449</b> | <b>13,253</b> | <b>2,486</b> | <b>1,948</b> | <b>2,505</b> | <b>2,287</b> | <b>2,141</b> | <b>1,886</b> | <b>0</b> |

| <b>OPERATING BUDGET IMPACT (\$000s)</b> |  |  |  |            |           |           |           |           |           |           |  |
|---|--|--|--|------------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| Maintenance                             |  |  |  | 147        | 33        | 15        | 28        | 20        | 30        | 22        |  |
| <b>Net Impact</b>                       |  |  |  | <b>147</b> | <b>33</b> | <b>15</b> | <b>28</b> | <b>20</b> | <b>30</b> | <b>22</b> |  |

### APPROPRIATION AND EXPENDITURE DATA (000s)

|                                    |       |        |
|------------------------------------|-------|--------|
| Appropriation Request              | FY 17 | -5,104 |
| Appropriation Request Est.         | FY 18 | 0      |
| Supplemental Appropriation Request |       | 0      |
| Transfer                           |       | 0      |
| Cumulative Appropriation           |       | 13,390 |
| Expenditure / Encumbrances         |       | 2,124  |
| Unencumbered Balance               |       | 11,266 |

|                          |       |        |
|--------------------------|-------|--------|
| Date First Appropriation | FY 13 |        |
| First Cost Estimate      |       |        |
| Current Scope            | FY 17 | 15,674 |
| Last FY's Cost Estimate  |       | 26,455 |

#### Description

This project provides for the design and construction of Environmental Site Design (ESD)/Low Impact Development (LID) stormwater management devices at Montgomery County Public Schools (MCPS) such as buildings, parking lots, and other impervious surfaces constructed prior to modern stormwater management controls. LID/ESD stormwater devices that may be implemented under this project include: green roofs, bioretention areas, tree box inlets, porous concrete and other types of devices that promote water filtering and groundwater recharge.

#### Cost Change

Cost decreases reflect anticipated implementation schedule including the addition of FY21 and FY22.

#### Justification

This project supports the requirements of the County's 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 LID/ESD devices. This project will be responsible for controlling stormwater on Montgomery County Public School (MCPS) properties largely through the use of LID/ESD practices needed to satisfy the permit requirements.

#### Other

A portion of these potential LID/ESD stormwater retrofits located at County schools were previously programmed under the FY11-16 Approved SM Retrofit - Government Facilities project (No. 800900). This stand-alone project includes LID/ESD projects located on MCPS property and allows for a more efficient implementation of projects in partnership with MCPS.

#### Fiscal Note

In FY17, some funding was reduced from Water Quality Protection Bonds and was replaced with the Water Quality Protection Charge. Expenditures in the outyears include expected costs to meet the requirements of the County's next MS4 permit. The scope of the next MS4 permit is subject to negotiation with the Maryland Department of the Environment. Expenditures also include activities associated with an increased emphasis on Green Infrastructure methods in MS4 projects.

#### Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

Maryland-National Capital Park and Planning Commission, Montgomery County Public Schools, Department of Permitting Services, Maryland Department of the Environment.