

ADDENDUM
 AGENDA ITEM #7D,E
 June 19, 2018

Introduction

MEMORANDUM

June 18, 2018

TO: County Council

FROM: *KL* Keith Levchenko, Senior Legislative Analyst

SUBJECT: **Agenda Item 7D: Introduction** - Special appropriation to the County Government's FY19 Capital Budget and Amendment to the FY 19-24 Capital Improvements Program (CIP), Conservation of Natural Resources: SM Design/Build/Maintain Contract (Source: Long Term Financing)

Agenda Item 7E: Introduction – Amendments to the FY19-24 CIP and Transfers from – Conservation of Natural Resources: Misc. Stream Valley Improvements, SM Retrofit – Roads, SM Retrofit: Countywide to SM Design/Build/Maintain Contract

PURPOSE: To introduce resolutions to implement a compromise between the County Executive and the County Council regarding the FY19-24 Stormwater Management CIP

Attached are draft resolutions and project description forms for Agenda Item 7D and 7E which would implement the compromise proposal transmitted by the County Executive on June 14, 2018. The expenditure and appropriation actions reflected in these resolutions are summarized in the following chart:

FY19-24 CIP Amendments and FY19 Appropriation Transfers Detail									
Project Changes	Expenditures							FY19 Appropriation	
	Six-Year	FY19	FY20	FY21	FY22	FY23	FY24	Transfer	New
Misc Stream Valley Improvements	(21,520)	(470)	(3,780)	(5,650)	(5,340)	(2,500)	(3,780)	(6,435)	
SM Retrofit - Roads	(3,350)	(50)	(60)	(1,390)	(1,370)	(280)	(200)	(49)	
SM Retrofit - Countywide	(19,050)	(1,370)	(4,530)	(2,740)	(2,840)	(4,000)	(3,570)	(7,387)	
SM Design/Build/Maintain Contract	46,300	1,830	8,720	8,770	9,140	9,640	8,200	13,871	6,129
Total	2,380	(60)	350	(1,010)	(410)	2,860	650	-	6,129

As noted in the original Council Staff memorandum for these items, while the discussed compromise approach can move forward for consideration regardless of whether a veto override

occurs, the specific appropriation actions required to implement the compromise would differ depending on whether the veto is overridden or sustained. For the purposes of introduction, the appropriation actions shown in the above chart assume the Council overrides the Executive's June 1 veto of several stormwater management project appropriations. If the veto is not overridden, Council Staff will revise the draft resolutions accordingly.

Attachments

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Resolution No: _____
Introduced: _____
Adopted: _____

COUNTY COUNCIL
FOR MONTGOMERY COUNTY, MARYLAND

By: Council President

SUBJECT: Special Appropriation to the FY19 Capital Budget and Amendment to the FY19-24 Capital Improvements Program
Montgomery County Government
Department of Environmental Protection
SM Design/Build/Maintain Contract (No. 801901)

Background

1. Article 3, Section 308, of the Charter of Montgomery County, Maryland, provides that a special appropriation: (a) may be made at any time after public notice by news release to meet an unforeseen disaster or other emergency, or to act without delay in the public interest; (b) must specify the revenues to finance it; and (c) must be approved by no fewer than six members of the Council.
2. Section 302 of the Montgomery County Charter provides that the Council may amend an approved capital improvements program at any time by an affirmative vote of no fewer than six members of the Council.
3. On June 14, 2018, the County Executive transmitted his support for a new SM Design/Build/Maintain Contract project with revisions based on discussions between Council and Executive staff. The special appropriation and amendment shown on the attached project description form in combination with Resolution XX-XXXX is intended to implement the County Executive's recommendation.
4. This special appropriation and amendment in combination with Resolution XX-XXXX is needed to increase the efficiency, cost-effectiveness, and scalability of the stormwater management program to improve the County's ability to meet its future MS4 permit requirements and larger environmental objectives.
5. This amendment would create a new project, SM Design/Build/Maintain Contract (No. 801901) previously recommended by the County Executive. The project description form includes revised language from the previous recommendation noting that the Department of Environmental Protection will provide quarterly updates to the Council on the County's stormwater management program and will meet regularly with an environmental advisory group for input and feedback on project issues.

6. The County Executive also agreed to revise the contract language for this project to address Councilmember concerns; most notably: to require that the new contractor include in their proposal at least 10 -12 projects currently under design in DEP, that at least 60 percent of the projects (or project acreage) will meet DEP's green infrastructure definition, and that 5% of acreage or 10% of costs will be for low impact development (LID) work.
7. An FY19 appropriation for this project of \$20 million is needed with \$13,871,000 to be transferred to the project per Resolution XX-XXXX and the balance being new appropriation as noted below:

<u>Project Name</u>	<u>Project Number</u>	<u>Amount</u>	<u>Source of Funds</u>
SM Design/Build/Maintain Contract	846540	<u>\$6,129,000</u>	Long-Term Financing
TOTAL		\$6,129,000	

Action

The County Council for Montgomery County, Maryland, approves the following action:

An FY19 Special Appropriation is approved as shown below and the FY19-24 Capital Improvements Program of the Montgomery County Government is amended as described above and as reflected on the attached project description form.

<u>Project Name</u>	<u>Project Number</u>	<u>Amount</u>	<u>Source of Funds</u>
SM Design/Build/Maintain Contract	846540	<u>\$6,129,000</u>	Long-Term Financing
TOTAL		\$6,129,000	

This is a correct copy of Council action.

Megan Davey Limarzi, Esq.
Clerk of the Council



SM Design/Build/Maintain Contract (P801901)

Category Conservation of Natural Resources **Date Last Modified** 06/14/18
SubCategory Stormwater Management **Administering Agency** Environmental Protection
Planning Area Countywide **Status** Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	12,250		12,250	1,830	2,160	2,410	2,430	2,430	990	
Construction	34,050		34,050		6,560	6,360	6,710	7,210	7,210	
TOTAL EXPENDITURES	46,300		46,300	1,830	8,720	8,770	9,140	9,640	8,200	

FUNDING SCHEDULE (\$000s)

Long-Term Financing	27,265		27,265	1,830	8,720	5,130	4,360	4,450	2,775	
State Aid	11,500		11,500			2,500	3,000	3,000	3,000	
Current Revenue: Water Quality Protection	7,535		7,535			1,140	1,780	2,190	2,425	
TOTAL FUNDING SOURCES	46,300		46,300	1,830	8,720	8,770	9,140	9,640	8,200	

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	Year First Appropriation	FY19
Appropriation FY 20 Request	Last FY's Cost Estimate	
Cumulative Appropriation	Supplemental	20,000 6,129
Expenditure / Encumbrances		
Unencumbered Balance		

PROJECT DESCRIPTION

This project provides for the use of a Design/Build/Maintain (DBM) contract for the design and construction of new and/or upgrades of existing under-performing stormwater management facilities or stream restorations throughout the County to meet the requirements of the County's Municipal Separate Storm Sewer System (MS4) Permit. Compliance with the MS4 Permit requires the control of impervious surfaces not currently treated to the maximum extent practicable. Any stormwater management facility type(s) or stream restoration, deemed creditable per the Maryland Department of the Environment regulations, can be implemented per this project.

PROJECT JUSTIFICATION

This project is needed to comply with the County's MS4 permitting requirements in a cost-effective manner, to implement the County's adopted water quality goals (Chapter 19, Article IV), and to protect habitat conditions in local streams.

OTHER

The Montgomery Parks Department of the Maryland-National Capital Park and Planning Commission (M-NCPPC) and the Montgomery Department of Environmental Protection (DEP) have agreed that M-NCPPC will serve as the lead agency for implementing stream restoration projects including long term monitoring and maintenance, that are located wholly or mostly on parks property in support of the County's MS4 permit. Previously, DEP had begun design work on the following stream restoration projects which meet these criteria: Clearspring Manor, Glenallan, Stoneybrook (Beach Drive to Montrose Avenue), and Grosvenor (Beach Drive to Rockville Pike). In FY 18, DEP will provide all design work for these projects to M-NCPPC for design completion, permitting, and construction under M-NCPPC's Stream Protection: SVP (P818571) project. M-NCPPC has agreed that all MS4 credits generated from these projects will be credited towards the County's future MS4 permit with delivery of the restored impervious acres no later than Dec. 31, 2023. M-NCPPC will provide appropriate updates at key project milestones to ensure that impervious acreage credits are achieved in the timeframe required, in addition to providing the long-term monitoring and maintenance required for the County to maintain the impervious acreage credit. These projects are currently estimated to have a combined cost of \$2.4M and will provide approximately 44 acres of credit. Parks will provide updated schedule and cost information on all projects in FY 19 for construction allocation funding beginning in FY 20, based on MDE's Water Quality Revolving Loan Fund cycle timeframes. M-NCPPC and DEP will immediately begin developing a Memorandum of Understanding that details how projects completed by M-NCPPC, funded with WQPF dollars, with MS4 credits going to DEP will be handled. M-NCPPC will document all MS4 credits created through these projects in accordance with MDE requirements to obtain State approval for the permit credits. M-NCPPC recognizes that stream restoration projects with relatively small segments located on parks property may be selected by the County's DBM contractor. If selected by the County's contractor and approved by DEP with concurrence by M-NCPPC, the contractor will need to obtain a Park Permit and comply with all M-NCPPC requirements.

DEP will provide quarterly program status updates to the Council under this contract. The annual work program will be based on permit requirements, an assessment of priority needs, community input including feedback from a stormwater program advisory group, and partnership agreements.

FISCAL NOTE

This project assumes the award of Maryland Water Quality Revolving Loan Funds (Long-Term Financing) over the six-year period, which would replace Water Quality Protection Bonds as the primary source of funding for the program. Expenditures in the out years 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 Environment. The FY20 appropriation will be determined as part of the FY20 Capital Budget Process.

DISCLOSURES

Expenditures will continue indefinitely. The County Executive asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Maryland National Capital Park and Planning Commission, Department of Permitting Services, Maryland Department of the Environment

Resolution No: _____
Introduced: _____
Adopted: _____

COUNTY COUNCIL
FOR MONTGOMERY COUNTY, MARYLAND

By: Council President

SUBJECT: Amendments to the FY19-24 Capital Improvements Program
County Council Transfer
Montgomery County Government
Department of Environmental Protection
SM Design/Build/Maintain Contract (No. 801901)
SM Retrofit- Roads (No. 801300)
SM Retrofit: Countywide (No. 808726)
Misc Stream Valley Improvements (No. 807359)

Background

1. Section 302 of the Montgomery County Charter provides that the Council may amend an approved capital improvements program at any time by an affirmative vote of no fewer than six members of the Council.
2. Section 309 of the Montgomery County Charter provides that transfers to any new account shall be made only by the County Council upon the recommendation of the County Executive. The total cumulative transfers from any one appropriation shall not exceed ten percent of the original appropriation.
3. On June 14, 2018, the County Executive transmitted his support for a new SM Design/Build/Maintain Contract project with revisions based on discussions between Council and Executive staff. The amendments and transfers as shown on the attached project description forms, in combination with Resolution XX-XXXX are intended to implement the County Executive's recommendation.
4. These amendments and transfers in combination with Resolution XX-XXXX are needed to increase the efficiency, cost-effectiveness, and scalability of the stormwater management program to improve the County's ability to meet its future MS4 permit requirements and larger environmental objectives.
5. These transfers include shifting \$49,000 from SM Retrofit- Roads (No. 801300), \$7,387,000 from SM Retrofit: Countywide (No. 808726), and \$6,435,000 from Misc Stream Valley Improvements (No. 807359) to SM Design/Build/Maintain Contract (No. 801901).

Action

The County Council for Montgomery County, Maryland, approves the following action:

The FY19-24 Capital Improvements Program of the Montgomery County Government is amended as described above and as reflected on the attached project description forms.

This is a correct copy of Council action.

Megan Davey Limarzi, Esq.
Clerk of the Council



SM Design/Build/Maintain Contract (P801901)

Category Conservation of Natural Resources **Date Last Modified** 06/14/18
SubCategory Stormwater Management **Administering Agency** Environmental Protection
Planning Area Countywide **Status** Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	12,250		12,250	1,830	2,160	2,410	2,430	2,430	990	
Construction	34,050		34,050		6,560	6,360	6,710	7,210	7,210	
TOTAL EXPENDITURES	46,300		46,300	1,830	8,720	8,770	9,140	9,640	8,200	

FUNDING SCHEDULE (\$000s)

Long-Term Financing	27,265		27,265	1,830	8,720	5,130	4,360	4,450	2,775	
State Aid	11,500		11,500			2,500	3,000	3,000	3,000	
Current Revenue: Water Quality Protection	7,535		7,535			1,140	1,780	2,190	2,425	
TOTAL FUNDING SOURCES	46,300		46,300	1,830	8,720	8,770	9,140	9,640	8,200	

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	Year First Appropriation	FY19
Appropriation FY 20 Request	Last FY's Cost Estimate	
Cumulative Appropriation	Supplemental	20,800
Expenditure / Encumbrances	<i>Transfer</i>	13,871
Unencumbered Balance		

PROJECT DESCRIPTION

This project provides for the use of a Design/Build/Maintain (DBM) contract for the design and construction of new and/or upgrades of existing under-performing stormwater management facilities or stream restorations throughout the County to meet the requirements of the County's Municipal Separate Storm Sewer System (MS4) Permit. Compliance with the MS4 Permit requires the control of impervious surfaces not currently treated to the maximum extent practicable. Any stormwater management facility type(s) or stream restoration, deemed creditable per the Maryland Department of the Environment regulations, can be implemented per this project.

PROJECT JUSTIFICATION

This project is needed to comply with the County's MS4 permitting requirements in a cost-effective manner, to implement the County's adopted water quality goals (Chapter 19, Article IV), and to protect habitat conditions in local streams.

OTHER

The Montgomery Parks Department of the Maryland-National Capital Park and Planning Commission (M-NCPPC) and the Montgomery Department of Environmental Protection (DEP) have agreed that M-NCPPC will serve as the lead agency for implementing stream restoration projects including long term monitoring and maintenance, that are located wholly or mostly on parks property in support of the County's MS4 permit. Previously, DEP had begun design work on the following stream restoration projects which meet these criteria: Clearspring Manor, Glenallan, Stoneybrook (Beach Drive to Montrose Avenue), and Grosvenor (Beach Drive to Rockville Pike). In FY 18, DEP will provide all design work for these projects to M-NCPPC for design completion, permitting and construction under M-NCPPC's Stream Protection: SVP (P818571) project. M-NCPPC has agreed that all MS4 credits generated from these projects will be credited towards the County's future MS4 permit with delivery of the restored impervious acres no later than Dec. 31, 2023. M-NCPPC will provide appropriate updates at key project milestones to ensure that impervious acreage credits are achieved in the timeframe required, in addition to providing the long-term monitoring and maintenance required for the County to maintain the impervious acreage credit. These projects are currently estimated to have a combined cost of \$2.4M and will provide approximately 44 acres of credit. Parks will provide updated schedule and cost information on all projects in FY 19 for construction allocation funding beginning in FY 20, based on MDE's Water Quality Revolving Loan Fund cycle timeframes. M-NCPPC and DEP will immediately begin developing a Memorandum of Understanding that details how projects completed by M-NCPPC, funded with WQPF dollars, with MS4 credits going to DEP will be handled. M-NCPPC will document all MS4 credits created through these projects in accordance with MDE requirements to obtain State approval for the permit credits. M-NCPPC recognizes that stream restoration projects with relatively small segments located on parks property may be selected by the County's DBM contractor. If selected by the County's contractor and approved by DEP with concurrence by M-NCPPC, the contractor will need to obtain a Park Permit and comply with all M-NCPPC requirements.

DEP will provide quarterly program status updates to the Council under this contract. The annual work program will be based on permit requirements, an assessment of priority needs, community input including feedback from a stormwater program advisory group, and partnership agreements.

FISCAL NOTE

This project assumes the award of Maryland Water Quality Revolving Loan Funds (Long-Term Financing) over the six-year period, which would replace Water Quality Protection Bonds as the primary source of funding for the program. Expenditures in the out years 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 Environment. The FY20 appropriation will be determined as part of the FY20 Capital Budget Process.

DISCLOSURES

Expenditures will continue indefinitely. The County Executive asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Maryland National Capital Park and Planning Commission, Department of Permitting Services, Maryland Department of the Environment



SM Retrofit - Roads (P801300)

Category	Conservation of Natural Resources	Date Last Modified	06/14/18
SubCategory	Stormwater Management	Administering Agency	Environmental Protection
Planning Area	Countywide	Status	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	7,381	6,356	975	50	50					
Construction	8,523	8,518	5							
Other	2	2								
TOTAL EXPENDITURES	15,906	14,876	980	50	50					

FUNDING SCHEDULE (\$000s)

State Aid	9,508	9,308	200							
Water Quality Protection Bonds	6,398	5,568	780	50	50					
TOTAL FUNDING SOURCES	15,906	14,876	980	50	50					

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	-24,545	Year First Appropriation	FY13
Appropriation FY 20 Request	64	Last FY's Cost Estimate	132,844
Cumulative Appropriation	43,954	Transfer	6,378
Expenditure / Encumbrances	18,975		-49
Unencumbered Balance	24,979		

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 is due to updated progress towards meeting MS4 permit.

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).

DISCLOSURES

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

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.



SM Retrofit: Countywide (P808726)

Category Conservation of Natural Resources **Date Last Modified** 06/14/18
SubCategory Stormwater Management **Administering Agency** Environmental Protection
Planning Area Countywide **Status** Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	21,749	14,369	5,110	2,270	1,910	360				
Site Improvements and Utilities	4	4								
Construction	37,404	9,094	11,600	16,710	15,120	1,590				
Other	588	588								
TOTAL EXPENDITURES	59,745	24,055	16,710	18,980	17,030	1,950				

FUNDING SCHEDULE (\$000s)

Water Quality Protection Bonds	29,264	19,469	8,115	1,680	1,680					
Current Revenue: Water Quality Protection	13,247	4,588	3,365	5,276	3,826	1,450				
Long-Term Financing	11,024			11,024	11,024					
State Aid	5,210		4,210	1,000	500	500				
Intergovernmental	1,000		1,000							
TOTAL FUNDING SOURCES	59,745	24,055	16,710	18,980	17,030	1,950				

OPERATING BUDGET IMPACT (\$000s)

Maintenance				25	20	5				
NET IMPACT				25	20	5				

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	-15,359	Year First Appropriation	FY87
Appropriation FY 20 Request		Last FY's Cost Estimate	126,578
Cumulative Appropriation		Transfer	-7,387
Expenditure / Encumbrances	91,586		
Unencumbered Balance	44,828		
	46,758		

PROJECT DESCRIPTION

This project provides for the design and construction of new and/or upgrades of existing underperforming stormwater management facilities and devices under the County's Municipal Separate Storm Sewer System (MS4) Permit as detailed in the draft Montgomery County Coordinated Implementation Strategy (CCIS). Compliance with the MS4 permit requires controlling 20 percent of impervious surfaces, or approximately 3,778 impervious acres, not currently treated to the maximum extent practicable. Inventories of candidate projects have been conducted under the Facility Planning: SM project (PDF No. 809319) for the County's ten watersheds (Paint Branch, Rock Creek, Cabin John Creek, Hawlings River, Watts Branch, Great Seneca, Muddy Branch, Sligo Creek, Little Paint Branch, and Northwest Branch). Some of the most complex projects constructed under this project are assessed and the preliminary plans are completed in the Facility Planning: SM project (No. 809319). Where feasible, the projects integrate wetland and habitat features consistent with the goals of the Chesapeake Bay Agreement. In small drainage areas, retrofit projects may also include biofiltration, bioretention, or stormwater filtering devices.

COST CHANGE

Project decrease is due to updated progress towards meeting MS4 permit requirements.

PROJECT JUSTIFICATION

This project is needed to comply with the County's MS4 permitting requirements and to implement the County's adopted water quality goals (Chapter 19, Article IV) and protect habitat conditions in local streams. In addition, the project supports the goals of the Anacostia Watershed Restoration Agreement.

FISCAL NOTE

This project assumes the award of Maryland Water Quality Revolving Loan Funds (Long-Term Financing) over the six-year period, which would replace Water Quality Protection Bonds as the primary source of funding for the program. While the State of Maryland has indicated a desire to provide funding, all indicated State Aid is preliminary and not appropriated. In FY17 and FY18, funding from the Current Revenue: Water Quality Protection replaced some funding previously allocated to Water Quality Protection Bonds and State Aid. Expenditures in the outyears include expected costs to meet the requirements of the County's next MS4 permit. The scope of the next permit is subject to negotiation with the Maryland Department of Environment. WSSC and DEP have agreed to an MOU related to Stormwater Management Projects in FY18. WSSC will transfer \$1 million to the County to allow DEP to undertake SWM projects on WSSC's behalf.

DISCLOSURES

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

COORDINATION

Department of Transportation, Maryland National Capital Park and Planning Commission, Department of Permitting Services, Maryland Department of the Environment, Natural Resources Conservation Service, U.S. Army Corps of Engineers, Facility Planning: SM (No. 809319), Maryland Department of Natural Resources.



Misc Stream Valley Improvements (P807359)

Category Conservation of Natural Resources **Date Last Modified** 06/14/18
SubCategory Stormwater Management **Administering Agency** Environmental Protection
Planning Area Countywide **Status** Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	7,057	3,457	1,050	2,550	700	840	470	180	180	180
land	2	2								
Site Improvements and Utilities										
Construction	16,102	3,612	50	12,440	4,460	6,820	1,160			
Other	582	582								
TOTAL EXPENDITURES	23,744	7,654	1,100	14,990	5,160	7,660	1,630	180	180	180

FUNDING SCHEDULE (\$000s)

Long-Term Financing	9,579			9,579	3,279	6,300				
State Aid	5,584	3,659	425	1,500	500	500	500			
Water Quality Protection Bonds	3,986	3,496	490							
Current Revenue: Water Quality Protection	2,676			2,676	1,086	660	930			
Stormwater Management Waiver Fees	1,919	499	185	1,235	295	200	200	180	180	180
TOTAL FUNDING SOURCES	23,744	7,654	1,100	14,990	5,160	7,660	1,630	180	180	180

OPERATING BUDGET IMPACT (\$000s)

Maintenance				160	20	30	20	5	35	50
NET IMPACT				160	20	30	20	5	35	50

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	-6,733	Year First Appropriation	FY73
Appropriation FY 20 Request		Last FY's Cost Estimate	70,259
Cumulative Appropriation		Transfer	-6,435
Expenditure / Encumbrances	37,947		
Unencumbered Balance	15,529		
	22,418		

PROJECT DESCRIPTION

This project provides for design and construction of habitat restoration or stabilization measures for stream reaches having significant channel erosion, sedimentation, and habitat degradation. Developed areas constructed without current stormwater controls contribute uncontrolled runoff which results in eroded streambanks, excessive sediment, tree loss, and degraded habitat for fish and aquatic life. Stormdrain outfalls damaged from severe erosion are identified and, where possible, the outfalls are repaired as part of stream restoration projects - funded from the Outfall Repairs project (No. 509948). Stream deterioration can also adversely affect sanitary sewer crossings by exposing sewer lines and manholes, which in turn can be fish barriers and leak raw sewage into streams or allow infiltration of stream baseflow into the sewer system, potentially causing substantial increases in wastewater treatment costs.

COST CHANGE

Project decrease is due to updated progress towards meeting MS4 permit.

PROJECT JUSTIFICATION

The project supports the requirements of the County's MS4 permit and addresses the goals of the Chesapeake Bay Watershed Agreement, Anacostia Watershed Restoration Agreement, and the County's adopted water quality goals (Chapter 19, Article IV). The project will stabilize and improve local stream habitat conditions where streams have been damaged by inadequately controlled stormwater runoff. Corrective measures constructed or coordinated under this project include stream bank stabilization, channel modifications, habitat restoration, storm drain outfall or sanitary sewer infrastructure repairs to improve fish and other biological resources, while reducing sediment and nutrient loadings caused by excessive streambank erosion. The Facility Planning: SM project (No. 809319) includes funds for watershed studies and identifies and prioritizes stream reaches in need of restoration and protection.

OTHER

The Department of Environmental Protection identifies damaged sewer lines as part of this project, and the Washington Suburban Sanitary Commission makes sewer repairs during project construction. Projects planned for design and construction include Fallsreach, Flints Grove Stream, and Booze Creek Repairs.

FISCAL NOTE

This project assumes the award of Maryland Water Quality Revolving Loan Funds (Long-Term Financing) over the six-year period, which would replace Water

Quality Protection Bonds as the primary source of funding for the program. While the State of Maryland has indicated a desire to provide funding, all indicated State Aid is preliminary. 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 Environment. Costs in out years included cost of stream monitoring.

DISCLOSURES

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

COORDINATION

Department of Transportation, Maryland-National Capital Park and Planning Commission, Washington Suburban Sanitary Commission, Department of Permitting Services, Maryland Department of the Environment, Maryland Department of Natural Resources.