

Stormwater Management

AGENCY OVERVIEW

Agency Description

The Prince George’s County Stormwater Management District (a special taxing district) was established to assume the stormwater management functions that were previously performed by the Washington Suburban Sanitary Commission. The Stormwater Management Division of the Department of the Environment is responsible for constructing and maintaining the Stormwater Management system in the County. It constructs facilities to alleviate flooding, rehabilitates storm drainage channels, designs and constructs wetlands, restores river and streambeds. The Department of Public Works and Transportation maintains and operates publicly-owned stormwater management and flood control facilities.

Needs Assessment

Several factors are taken into consideration in developing projects for the CIP, including the following:

- Areas of new development which will increase the amount and velocity of stormwater runoff;
- Condition and age of existing systems and the need for corrective action;
- Recommendations of watershed management planning activities;
- Water quality and environmental impacts;

- Retrofit of existing development to mitigate adverse flooding and pollution impacts;
- Availability of state and federal grants; and
- Federal, state and local regulations for stormwater, wetlands, forest and critical areas.

FY 2021 Funding Sources

- Storm Water Bonds – 63.7%
- Federal - 0.2%
- State – 3.4%
- Other – 32.7%

FY 2021-2026 Program Highlights

- The County continues to implement federal and state mandates which address various storm water quality improvements including impervious area and stream restoration.
- Continued implementation of the Clean Water Partnership (Public Private Partnership) to assist with meeting the federal and state mandates.

New Projects

None

Deleted Projects

None

Revised Projects

Project Name	Alternate Funding Source Required	Revisions			
		Total Project Cost Increase	Total Project Cost Decrease	Project Schedule Delayed	Project Schedule Accelerated
Bear Branch Sub-Watershed			X		
Clean Water Partnership NPDES/MS4		X		X	
Emergency Response Program		X			
Endangered Structure Acquisition Program			X		
Flood Protection and Drainage Improvement			X		
Major Reconstruction Program (DPW&T)		X			
MS4/NPDES Compliance & Restoration			X		

Revised Projects *(continued)*

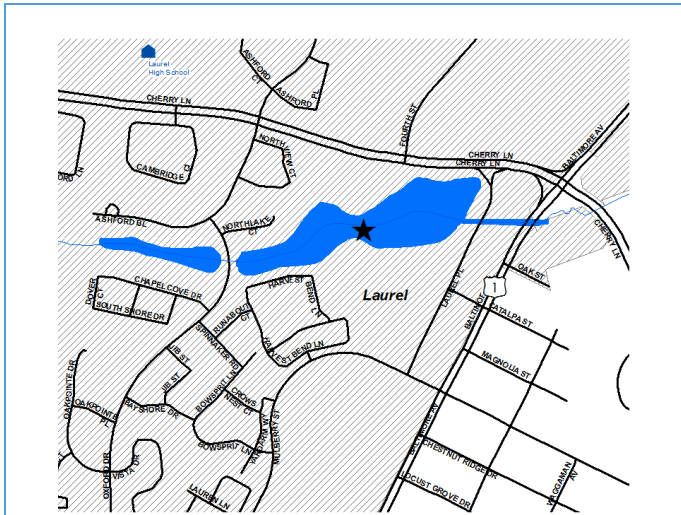
Project Name	Alternate Funding Source Required	Revisions			
		Total Project Cost Increase	Total Project Cost Decrease	Project Schedule Delayed	Project Schedule Accelerated
Participation Program		X			
Stormwater Contingency Fund		X			
Stormwater Management Restoration			X		

Program Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$94,659	\$52,380	\$17,954	\$24,325	\$11,824	\$3,288	\$3,263	\$2,325	\$2,175	\$1,450	\$—
LAND	591	171	200	220	120	100	—	—	—	—	—
CONSTR	692,728	150,270	102,779	439,679	86,025	80,233	88,294	84,207	47,100	53,820	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	100,603	77,131	2,888	20,584	3,264	3,563	3,657	4,023	4,427	1,650	—
TOTAL	\$888,581	\$279,952	\$123,821	\$484,808	\$101,233	\$87,184	\$95,214	\$90,555	\$53,702	\$56,920	\$—
FUNDING											
FEDERAL	\$5,368	\$3,168	\$2,000	\$200	\$200	\$—	\$—	\$—	\$—	\$—	\$—
STATE	5,772	487	1,935	3,350	3,350	—	—	—	—	—	—
SW BONDS	593,525	241,620	35,320	316,585	63,142	55,840	41,625	46,123	53,320	56,535	—
OTHER	283,916	10,615	112,597	160,704	32,479	30,964	53,209	44,052	—	—	—
TOTAL	\$888,581	\$255,890	\$151,852	\$480,839	\$99,171	\$86,804	\$94,834	\$90,175	\$53,320	\$56,535	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	

Project Listing

CIP ID#	Project Name	Address	Planning Area	Council District	Project Class	Total Project Cost (000)	Completion Date
5.54.0016	Bear Branch Sub-Watershed	Laurel Area, Laurel	South Laurel Montpelier	One	Rehabilitation	\$5,747	FY 2021
5.54.0012	COE County Restoration	Anacostia River Watershed, Various	Not Assigned	Various	Rehabilitation	33,089	FY 2026
5.54.0018	Clean Water Partnership NPDES/MS4	Countywide	Not Assigned	Countywide	Rehabilitation	328,244	FY 2024
5.54.0015	Emergency Response Program	Countywide	Not Assigned	Countywide	Rehabilitation	4,349	Ongoing
5.54.0014	Endangered Structure Acquisition Program	Countywide	Not Assigned	Countywide	Land Acquisition	8,477	Ongoing
5.54.0005	Flood Protection and Drainage Improvement	Countywide	Not Assigned	Countywide	New Construction	104,657	Ongoing
5.54.0019	MS4/NPDES Compliance & Restoration	Countywide	Not Assigned	Countywide	Rehabilitation	178,808	Ongoing
5.66.0003	Major Reconstruction Program (DPW&T)	Countywide	Not Assigned	Countywide	Replacement	129,073	Ongoing
5.54.0006	Participation Program	Countywide	Not Assigned	Countywide	New Construction	8,875	Ongoing
5.54.0007	Stormwater Contingency Fund	Countywide	Not Assigned	Countywide	Non Construction	5,001	Ongoing
5.66.0002	Stormwater Management Restoration	Countywide	Not Assigned	Countywide	Rehabilitation	82,261	Ongoing
Program Total						\$888,581	
NUMBER OF PROJECTS = 11							



Description: This project provides funding for the dredging of sediments in the upper lake (forebay) of Laurel Lake in Laurel, MD. An evaluation of forebay conditions is recommended to be performed every five (5) years with appropriate planning for future maintenance as required. Dredging operations were most recently completed in June 2015. The project will also provide water quality measures; Low Impact Development (LID), wetland creation, reforestation and stream channel restoration in the Bear Branch sub-watershed and Patuxent River watershed.

Justification: Laurel Lakes is located within the Bear Branch sub-watershed and Patuxent River Watershed.

Highlights: The FY 2021 budget is targeted for stream restoration and water quality projects in the Bear Branch Watershed.

Enabling Legislation: Not Applicable

Location		Status	
Address	Laurel Area, Laurel	Project Status	Under Construction
Council District	One	Class	Rehabilitation
Planning Area	South Laurel Montpelier	Land Status	Publicly Owned Land

PROJECT MILESTONES

	Estimate	Actual
1 st Year in Capital Program		FY 2013
1 st Year in Capital Budget		FY 2013
Completed Design		FY 2020
Began Construction		FY 2020
Project Completion	FY 2021	

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$1,945	\$549	\$1,703	\$4,197

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$1,487	\$987	\$474	\$26	\$26	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	3,899	799	50	3,050	1,650	1,400	—	—	—	—	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	361	159	25	177	27	150	—	—	—	—	—
TOTAL	\$5,747	\$1,945	\$549	\$3,253	\$1,703	\$1,550	\$—	\$—	\$—	\$—	\$—
FUNDING											
SW BONDS	\$5,420	\$3,012	\$549	\$1,859	\$309	\$1,550	\$—	\$—	\$—	\$—	\$—
OTHER	327	327	—	—	—	—	—	—	—	—	—
TOTAL	\$5,747	\$3,339	\$549	\$1,859	\$309	\$1,550	\$—	\$—	\$—	\$—	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: The County launched the Clean Water Partnership (CWP) in 2015 to improve the health of the County's waterways, reduce the costs of retrofitting and maintaining the County's stormwater infrastructure and optimize the economic benefits to the County's residents by developing local businesses that will become the backbone of the County's green economy. The goal is to improve water quality by retrofitting approximately 4,000 acres through 2021. The expanded program area of the CWP was added in 2018, funded from the low-interest rate Maryland Water Quality Revolving Loan Program.

Justification: The purpose of the CWP is to assist the County in achieving compliance with §402(p)(3)(B)(iii) of the U.S. Clean Water Act and corresponding stormwater National Pollutant Discharge Elimination System (NPDES)/Municipal Separate Storm Sewer System Discharge Permit (MS4 Permit), which requires the County to complete restoration efforts of 20% of the County's impervious surface area.

Highlights: In FY 2021, construction continues on stormwater retrofit projects.

Enabling Legislation: Not Applicable

Location		Status	
Address	Countywide	Project Status	Under Construction
Council District	Countywide	Class	Rehabilitation
Planning Area	Not Assigned	Land Status	No Land Involved

PROJECT MILESTONES

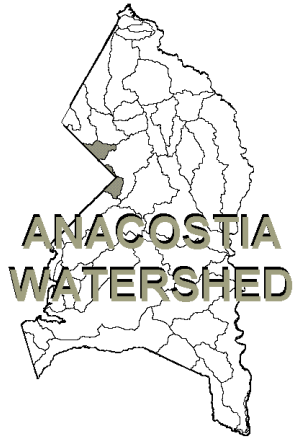
	Estimate	Actual
1 st Year in Capital Program		FY 2016
1 st Year in Capital Budget		FY 2016
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion	FY 2024	

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$124,263	\$43,277	\$32,479	\$200,019

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$26,078	\$26,078	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	302,166	98,185	43,277	160,704	32,479	30,964	53,209	44,052	—	—	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
TOTAL	\$328,244	\$124,263	\$43,277	\$160,704	\$32,479	\$30,964	\$53,209	\$44,052	\$—	\$—	\$—
FUNDING											
SW BONDS	\$55,143	\$55,143	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OTHER	273,101	—	112,397	160,704	32,479	30,964	53,209	44,052	—	—	—
TOTAL	\$328,244	\$55,143	\$112,397	\$160,704	\$32,479	\$30,964	\$53,209	\$44,052	\$—	\$—	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: The project involves the design and construction of environmental enhancement and flood control facilities within Prince George's County. Projects include ongoing planning and design for projects pertaining to quality measures implementation, wetland creation, stream channel restoration and fish blockage removal in the Anacostia River tributaries and from the Western Branch to the Patuxent River. Flood risk or watershed studies (with the US Army Corps of Engineers) are included in this project.

Justification: This project includes stream and water quality restoration efforts in which the County is participating with the US Army Corps of Engineers (ACOE). Funding represents the County's 'non-federal sponsor' share costs to be reimbursed to the Corps of Engineers. Projects other than those performed with the ACOE could receive funding through state and federal grants. 'Other' funds may also be secured from a transfer of stormwater management operating funds and fee-in-lieu payments.

Highlights: In FY 2021, construction continues on the Allison Street Levee and Upper Marlboro flood control projects.

Enabling Legislation: Not Applicable

Location		Status	
Address	Anacostia River Watershed, Various	Project Status	Under Construction
Council District	Various	Class	Rehabilitation
Planning Area	Not Assigned	Land Status	Publicly Owned Land

PROJECT MILESTONES

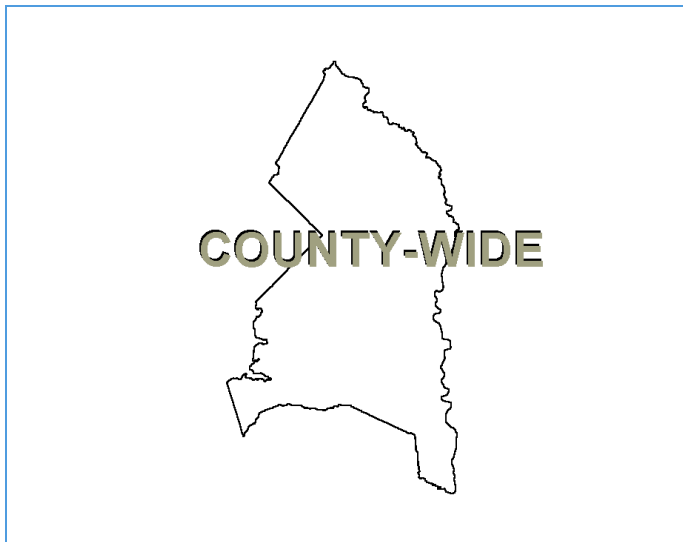
	Estimate	Actual
1 st Year in Capital Program		FY 1995
1 st Year in Capital Budget		FY 1995
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion	FY 2026	

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$18,803	\$1,977	\$1,897	\$22,677

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$3,394	\$824	\$470	\$2,100	\$700	\$700	\$500	\$100	\$100	\$—	\$—
LAND	324	4	200	120	120	—	—	—	—	—	—
CONSTR	12,330	1,593	1,237	9,500	1,000	2,500	2,000	2,000	2,000	—	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	17,041	16,382	70	589	77	75	94	103	115	125	—
TOTAL	\$33,089	\$18,803	\$1,977	\$12,309	\$1,897	\$3,275	\$2,594	\$2,203	\$2,215	\$125	\$—
FUNDING											
FEDERAL	\$690	\$690	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
SW BONDS	31,685	18,745	631	12,309	1,897	3,275	2,594	2,203	2,215	125	—
OTHER	714	714	—	—	—	—	—	—	—	—	—
TOTAL	\$33,089	\$20,149	\$631	\$12,309	\$1,897	\$3,275	\$2,594	\$2,203	\$2,215	\$125	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: The project will facilitate the design and construction of unanticipated projects which require immediate implementation, due to emergency conditions affecting the public health, safety or welfare and for matching funds for unanticipated grants in which funding is required to attain an agency grant.

Justification: Immediate action is often required to address emergency conditions arising from natural disasters such as a flood, slope failures or severe weather storm events. In addition, a matching source of local funds is often required for grants.

Highlights: FY 2021 funding is to address any emergencies that may arise.

Enabling Legislation: Not Applicable

Location		Status	
Address	Countywide	Project Status	Under Construction
Council District	Countywide	Class	Rehabilitation
Planning Area	Not Assigned	Land Status	No Land Involved

PROJECT MILESTONES

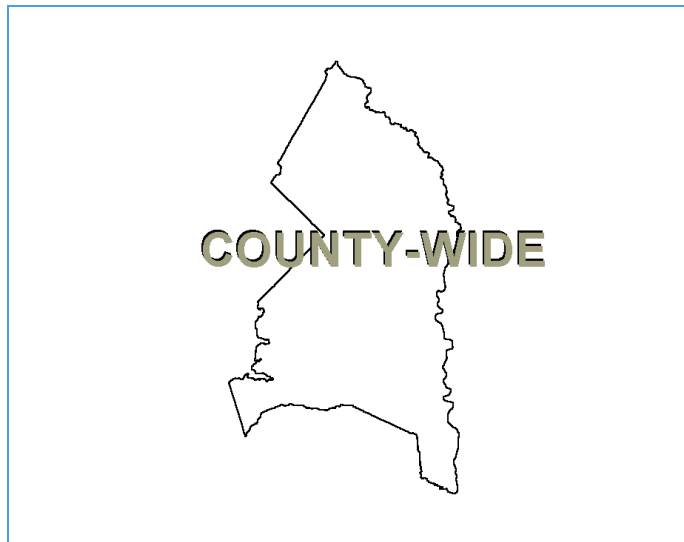
	Estimate	Actual
1 st Year in Capital Program		FY 2003
1 st Year in Capital Budget		FY 2003
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion		Ongoing

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$1,619	\$390	\$390	\$2,399

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$898	\$198	\$100	\$600	\$100	\$100	\$100	\$100	\$100	\$100	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	2,030	—	290	1,740	290	290	290	290	290	290	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	1,421	1,421	—	—	—	—	—	—	—	—	—
TOTAL	\$4,349	\$1,619	\$390	\$2,340	\$390	\$390	\$390	\$390	\$390	\$390	\$—
FUNDING											
SW BONDS	\$4,349	\$1,651	\$358	\$2,340	\$390	\$390	\$390	\$390	\$390	\$390	\$—
TOTAL	\$4,349	\$1,651	\$358	\$2,340	\$390	\$390	\$390	\$390	\$390	\$390	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: This project provides for the acquisition of residential properties within the 100-year floodplain and properties vulnerable to unforeseen natural conditions, such as slope failure or stream erosion.

Justification: This project will mitigate severe economic impacts associated with flooding events to commercial, industrial and residential properties. Acquisition of the most severely flood-prone properties will have a positive impact. Properties which are acquired are then evaluated for opportunities to implement wetland banking, stream restoration, flood mitigation, reforestation and/or green space opportunities.

Highlights: FY 2021 funding is to continue work on Kris Ran Court.

Enabling Legislation: Not Applicable

Location		Status	
Address	Countywide	Project Status	Under Construction
Council District	Countywide	Class	Land Acquisition
Planning Area	Not Assigned	Land Status	Site Selected Only

PROJECT MILESTONES

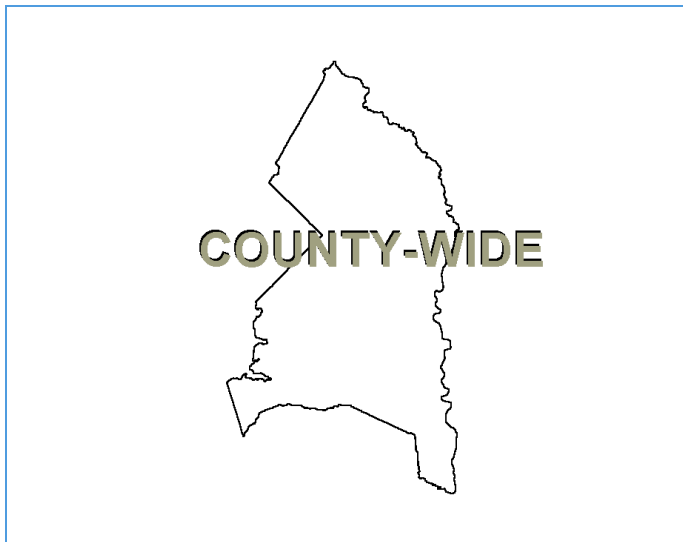
	Estimate	Actual
1 st Year in Capital Program		FY 2001
1 st Year in Capital Budget		FY 2001
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion		Ongoing

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$6,160	\$30	\$380	\$6,570

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$600	\$—	\$—	\$600	\$100	\$100	\$100	\$100	\$100	\$100	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	1,627	39	17	1,571	265	264	262	260	260	260	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	6,250	6,121	13	116	15	16	18	20	22	25	—
TOTAL	\$8,477	\$6,160	\$30	\$2,287	\$380	\$380	\$380	\$380	\$382	\$385	\$—
FUNDING											
SW BONDS	\$6,063	\$6,063	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OTHER	2,414	2,414	—	—	—	—	—	—	—	—	—
TOTAL	\$8,477	\$8,477	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: This program consists of flood protection and drainage relief projects that will address surface run-off causing home flooding, alleviate road flooding and correct residential yard drainage deficiencies. Also included are municipal participation, storm drain acceptance projects and flood warning systems. Right of way from property owners directly benefiting from project improvements must be provided at no cost to the County.

Justification: This program provides flood mitigation and drainage improvement to residential structures which cannot be corrected through the County's Department of Public Works and Transportation maintenance program. This can be appropriate in locations where opportunities to achieve NPDES/MS4 compliance and impervious restoration credits can be combined with drainage remediation projects.

Highlights: The FY 2021 construction budget includes funding to include projects in College Park and Franklin Avenue in Lanham. 'Other' funding was provided from Ad Valorem tax contributions and State Revolving Loans.

Enabling Legislation: Not Applicable

Location		Status	
Address	Countywide	Project Status	Under Construction
Council District	Countywide	Class	New Construction
Planning Area	Not Assigned	Land Status	No Land Involved

PROJECT MILESTONES

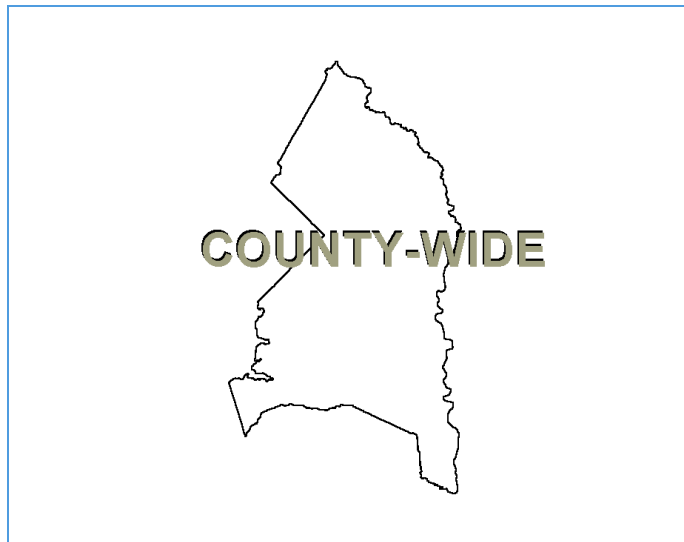
	Estimate	Actual
1 st Year in Capital Program		FY 1986
1 st Year in Capital Budget		FY 1986
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion		Ongoing

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$51,261	\$15,760	\$9,607	\$76,628

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$14,080	\$4,172	\$3,090	\$6,818	\$1,967	\$963	\$1,088	\$1,200	\$1,050	\$550	\$—
LAND	167	167	—	—	—	—	—	—	—	—	—
CONSTR	44,468	9,407	11,740	23,321	6,495	7,838	2,363	2,475	2,325	1,825	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	45,942	37,515	930	7,497	1,145	1,122	1,125	1,240	1,365	1,500	—
TOTAL	\$104,657	\$51,261	\$15,760	\$37,636	\$9,607	\$9,923	\$4,576	\$4,915	\$4,740	\$3,875	\$—
FUNDING											
STATE	\$211	\$211	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
SW BONDS	101,225	63,078	511	37,636	9,607	9,923	4,576	4,915	4,740	3,875	—
OTHER	3,221	3,221	—	—	—	—	—	—	—	—	—
TOTAL	\$104,657	\$66,510	\$511	\$37,636	\$9,607	\$9,923	\$4,576	\$4,915	\$4,740	\$3,875	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: This ongoing program by the Department of Public Works and Transportation will redesign, reconstruct and rehabilitate major drainage and flood control projects throughout the County.

Justification: A number of flood control projects constructed prior to 1975 require modifications to correct structural deficiencies, improve flow capacity, alleviate environmental impacts and improve overall safety.

Highlights: FY 2021 funding supports the reconstruction of drainage channels, culvert replacements and the Office of Highway Maintenance pipe replacement and removal program.

Enabling Legislation: Not Applicable

Location		Status	
Address	Countywide	Project Status	Under Construction
Council District	Countywide	Class	Replacement
Planning Area	Not Assigned	Land Status	Publicly Owned Land

PROJECT MILESTONES

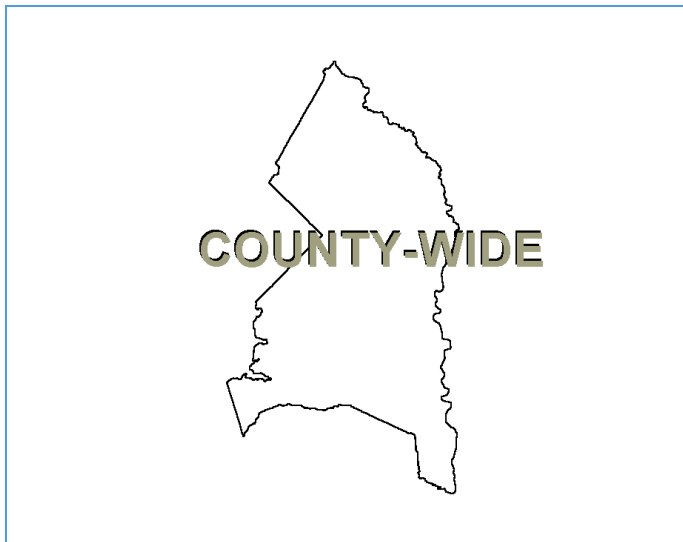
	Estimate	Actual
1 st Year in Capital Program		FY 1993
1 st Year in Capital Budget		FY 1993
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion		Ongoing

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$9,760	\$14,910	\$25,923	\$50,593

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$9,867	\$1,789	\$3,500	\$4,578	\$4,578	\$—	\$—	\$—	\$—	\$—	\$—
LAND	100	—	—	100	—	100	—	—	—	—	—
CONSTR	119,106	7,971	11,410	99,725	21,345	17,580	15,200	15,200	15,200	15,200	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
TOTAL	\$129,073	\$9,760	\$14,910	\$104,403	\$25,923	\$17,680	\$15,200	\$15,200	\$15,200	\$15,200	\$—
FUNDING											
FEDERAL	\$119	\$119	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
SW BONDS	128,754	12,759	11,592	104,403	25,923	17,680	15,200	15,200	15,200	15,200	—
OTHER	200	—	200	—	—	—	—	—	—	—	—
TOTAL	\$129,073	\$12,878	\$11,792	\$104,403	\$25,923	\$17,680	\$15,200	\$15,200	\$15,200	\$15,200	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: This project provides funding for countywide restoration of untreated impervious areas to meet MS4/NPDES Permit, Chesapeake Bay TMDL and Local TMDL requirements with water quality/urban retrofit BMPs, stream restoration techniques, and other multiple stormwater management retrofit approaches, within all watersheds of the County. Expected impacts from upcoming regulatory changes will require targeting restoration projects to specific water quality impairments, adding time and cost to the NPDES restoration timeline.

Justification: The Maryland Department of the Environment issued a Municipal Separate Storm Sewer System (MS4) permit to the County mandating the requirement for impervious area restoration.

Highlights: \$3.6 million in federal and state funding is appropriated to be used for capital grant awards received during FY 2021.

Enabling Legislation: Not Applicable

Location		Status	
Address	Countywide	Project Status	Under Construction
Council District	Countywide	Class	Rehabilitation
Planning Area	Not Assigned	Land Status	Publicly Owned Land

PROJECT MILESTONES

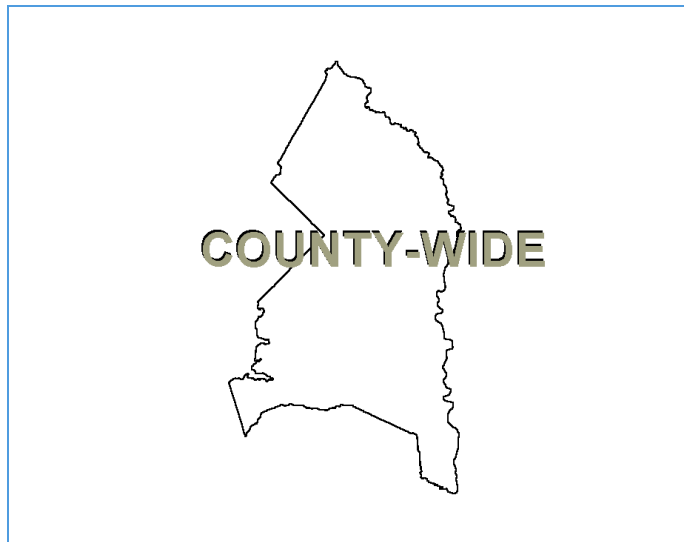
	Estimate	Actual
1 st Year in Capital Program		FY 2013
1 st Year in Capital Budget		FY 2013
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion		Ongoing

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$28,692	\$40,084	\$21,010	\$89,786

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$27,304	\$11,337	\$7,895	\$8,072	\$3,322	\$1,325	\$1,375	\$725	\$725	\$600	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	137,449	17,355	30,339	89,755	15,688	11,497	6,070	11,030	18,125	27,345	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	14,055	—	1,850	12,205	2,000	2,200	2,420	2,660	2,925	—	—
TOTAL	\$178,808	\$28,692	\$40,084	\$110,032	\$21,010	\$15,022	\$9,865	\$14,415	\$21,775	\$27,945	\$—
FUNDING											
FEDERAL	\$4,559	\$2,359	\$2,000	\$200	\$200	\$—	\$—	\$—	\$—	\$—	\$—
STATE	5,561	276	1,935	3,350	3,350	—	—	—	—	—	—
SW BONDS	168,414	44,516	17,416	106,482	17,460	15,022	9,865	14,415	21,775	27,945	—
OTHER	274	274	—	—	—	—	—	—	—	—	—
TOTAL	\$178,808	\$47,425	\$21,351	\$110,032	\$21,010	\$15,022	\$9,865	\$14,415	\$21,775	\$27,945	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: This project will provide the County's contribution for Water Quality Best Management Practice (BMP) costs for projects with M-NCPPC, MWCOG, SHA and municipalities. Additionally this project enables the County's participation through agreements, which the County may enter with developers, to complete needed work in existing communities. These project opportunities may also be identified under the County's stormwater permit review process.

Justification: Opportunities to meet the requirements of NPDES/MS4 compliance and impervious restoration may take place, which would otherwise not result in the County receiving restoration credit if participation did not occur. Locations where County CIP projects are planned and may be implemented by developers on an accelerated schedule and lowered cost.

Highlights: There continues to be an increase in the complexity and number of participation projects.

Enabling Legislation: Not Applicable

Location		Status	
Address	Countywide	Project Status	Under Construction
Council District	Countywide	Class	New Construction
Planning Area	Not Assigned	Land Status	No Land Involved

PROJECT MILESTONES

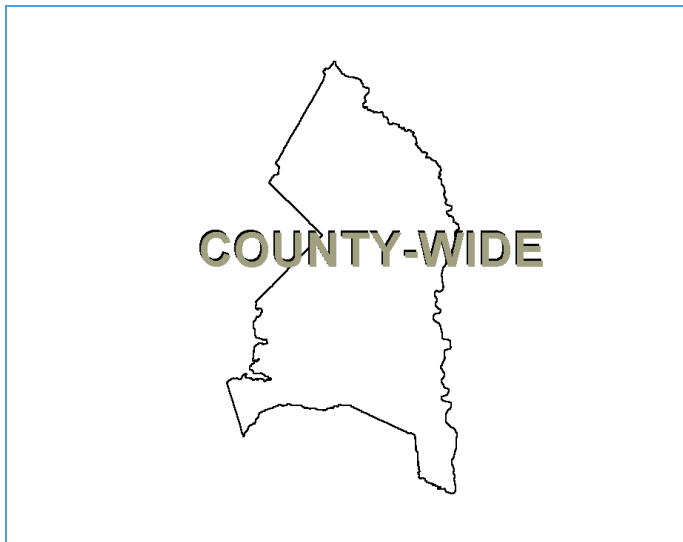
	Estimate	Actual
1 st Year in Capital Program		FY 1986
1 st Year in Capital Budget		FY 1986
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion		Ongoing

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$5,325	\$525	\$525	\$6,375

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$700	\$—	\$100	\$600	\$100	\$100	\$100	\$100	\$100	\$100	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	3,232	382	425	2,425	425	400	400	400	400	400	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	4,943	4,943	—	—	—	—	—	—	—	—	—
TOTAL	\$8,875	\$5,325	\$525	\$3,025	\$525	\$500	\$500	\$500	\$500	\$500	\$—
FUNDING											
SW BONDS	\$5,522	\$1,907	\$590	\$3,025	\$525	\$500	\$500	\$500	\$500	\$500	\$—
OTHER	3,353	3,353	—	—	—	—	—	—	—	—	—
TOTAL	\$8,875	\$5,260	\$590	\$3,025	\$525	\$500	\$500	\$500	\$500	\$500	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: This fund will provide a source of additional appropriation for possible cost overruns of funded projects in the capital program and for new projects unforeseen at the time the capital improvement program (CIP) is approved. This project will authorize the County Executive to approve appropriation transfers up to \$250,000 to previously authorized projects. New project authorizations will require the approval of a majority of the Council.

Justification: Estimates used for programming could be sometimes lower than the final engineering design costs, land acquisitions and construction costs due to unforeseen inflation and other issues which are difficult to forecast.

Highlights: 'Other' funds may come from transfers from projects having a balance subsequent to their completion, or from stormwater operating funds.

Enabling Legislation: Not Applicable

Location		Status	
Address	Countywide	Project Status	Continued
Council District	Countywide	Class	Non Construction
Planning Area	Not Assigned	Land Status	No Land Involved

PROJECT MILESTONES

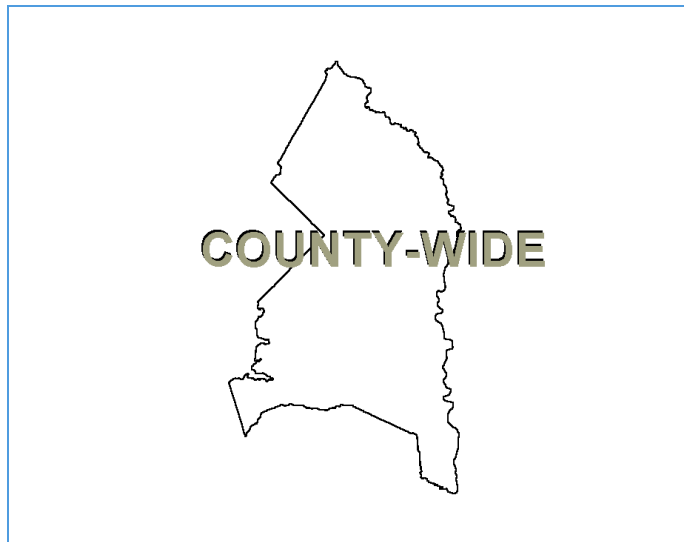
	Estimate	Actual
1 st Year in Capital Program		FY 1989
1 st Year in Capital Budget		FY 1989
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion		Ongoing

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$1	\$0	\$1,000	\$1,001

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	5,000	—	—	5,000	1,000	—	1,000	1,000	1,000	1,000	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	1	1	—	—	—	—	—	—	—	—	—
TOTAL	\$5,001	\$1	\$—	\$5,000	\$1,000	\$—	\$1,000	\$1,000	\$1,000	\$1,000	\$—
FUNDING											
SW BONDS	\$4,712	\$—	\$—	\$4,712	\$712	\$—	\$1,000	\$1,000	\$1,000	\$1,000	\$—
OTHER	289	289	—	—	—	—	—	—	—	—	—
TOTAL	\$5,001	\$289	\$—	\$4,712	\$712	\$—	\$1,000	\$1,000	\$1,000	\$1,000	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: This program supports DPW&T initiated operational programs to design and improve stormwater management systems and infrastructure (stormwater management ponds, major channels, storm drain pipe systems and related structures, culverts, pedestrian crossings and channels and flood control facilities) throughout the County. This project also supports projects required to be performed in accordance with federal and state mandates as identified in countywide NPDES Permit.

Justification: The County's stormwater management infrastructure is aging and in some applications reaching structural life expectancy. These initiatives will assess the condition of the existing infrastructure, improve and restore functional operation and design intent, as well as enhance community participation with stormwater management facilities.

Highlights: FY 2021 funding is budgeted for water quality benefits through tree replacement, pond construction programs, and stormwater management design work.

Enabling Legislation: Not Applicable

Location		Status	
Address	Countywide	Project Status	Under Construction
Council District	Countywide	Class	Rehabilitation
Planning Area	Not Assigned	Land Status	Publicly Owned Land

PROJECT MILESTONES

	Estimate	Actual
1 st Year in Capital Program		FY 2010
1 st Year in Capital Budget		FY 2010
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion		Ongoing

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$32,123	\$6,319	\$6,319	\$44,761

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$10,251	\$6,995	\$2,325	\$931	\$931	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	61,421	14,539	3,994	42,888	5,388	7,500	7,500	7,500	7,500	7,500	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	10,589	10,589	—	—	—	—	—	—	—	—	—
TOTAL	\$82,261	\$32,123	\$6,319	\$43,819	\$6,319	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$—
FUNDING											
SW BONDS	\$82,238	\$34,746	\$3,673	\$43,819	\$6,319	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$—
OTHER	23	23	—	—	—	—	—	—	—	—	—
TOTAL	\$82,261	\$34,769	\$3,673	\$43,819	\$6,319	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	

