

Agricultural Land Preservation Program

PROGRAM DESCRIPTION AND OBJECTIVES

The County's Agricultural Land Preservation Capital Program is administered by the Montgomery County Department of Economic Development. The program includes one ongoing capital project, Agricultural Land Preservation Easements, whose objective is to protect and preserve agricultural land from development with the goal of retaining a significant farming sector throughout Montgomery County.

During FY2009, the County achieved the goal of protecting 70,000 acres of agricultural land through easements. As of June 30, 2011, the County has permanently preserved 71,789 acres for agricultural use. Montgomery County, leads the State of Maryland in the number of acres preserved and has the highest percentage of farmland under agricultural land preservation easements of any county in the nation. Within this total, 52,052 acres are protected only by Transferable Development Rights (TDR) easements which allow for densities as high as one unit per twenty-five acres. It will be important for the County to continue to pursue higher levels of protection for these properties to reduce the potential for future development in the Agricultural Reserve. The implementation of the Building Lot Termination (BLT) Program will be integral to this effort.

Currently, preservation of agricultural land is accomplished under six separate agricultural land preservation programs: the Montgomery County Agricultural Easement Program (AEP); the Maryland Agricultural Land Preservation Foundation (MALPF); Montgomery County's local Transferable Development Rights (TDR); the Maryland Environmental Trust (MET); the Montgomery County Rural Legacy Program (RLP) and the Building Lot Termination Program (BLT). The acres preserved under each program are displayed in the chart below, and each program is described in the narrative that follows.

	MALPF	AEP	MET	RLP	TDR	Total
Protected thru Dec FY12	4,600	8,176	2,086	4,875	52,052	71,789

Through AEP, the County purchases easements on farmland using Agricultural Transfer Tax collections to meet acreage acquisition targets. Agricultural easements acquired through the AEP may range in value from \$1,700 to \$9,000 per acre, depending on location, land quality, and amount of road frontage. The County has protected 8,176 acres through the AEP.

Through MALPF, the State purchases development rights easements directly from landowners to protect agricultural land

from development. Since 1980, 4,600 acres have been protected.

Montgomery County's local Transferable Development Rights (TDR) program, established by the functional Master Plan for the Preservation of Agriculture and Rural Open Space, accounts for the major portion of the County's preserved land – 52,052 acres. The program, administered by the Maryland-National Capital Park and Planning Commission (M-NCPPC), allows Upcounty landowners to transfer development rights from the 93,000-acre Agricultural Reserve, in the western and northern portions of the County, at the rate of one TDR per five acres, to developers with projects in areas that can accept the higher development density, designated as "TDR receiving areas." Lands protected by TDR easements also represent additional opportunities for DED to further protect agricultural lands through easements by reducing the allowable housing density that is reserved on these lands.

The MET program encourages landowners to donate an easement on their property to protect scenic open areas, including farm and forest land, wildlife habitats, waterfront, unique or rare areas, and historic sites. This program is associated with the Maryland Department of Natural Resources and requires no monetary participation by the County. Montgomery County has protected 2,086 acres through the MET program.

The RLP was enacted in 1997 as part of the Governor's Smart Growth and Neighborhood Conservation initiative to protect natural resources. The program is designed to protect areas rich in multiple agricultural, forestry, natural and cultural resources in order to protect resource-based economic development, protect green areas, and maintain rural life. Montgomery County acts as a conduit for these funds, and no monetary participation is required of the County. The County has protected 4,875 acres through the RLP program.

The Building Lot Termination (BLT) program was approved by the County Council through Council Bill 39-07 in December of 2008. This program will provide another tool to permanently protect agricultural lands, especially where development potential is achievable through the approval of on-site waste disposal systems. On November 10, 2009, five million dollars was approved by the County Council through a supplemental appropriation to this project to fund the BLT. Executive Regulation 03-09AM as adopted by the Council on July 27, 2010 and the first BLT Open Purchase Period was completed on May 30, 2011. BLT easement purchase offers were tendered to three of six applicants, covering 308 acres and 7 BLTs. The first BLT easement was settled on December 15, 2011 with 2 more easement settlements pending after January 1, 2012.

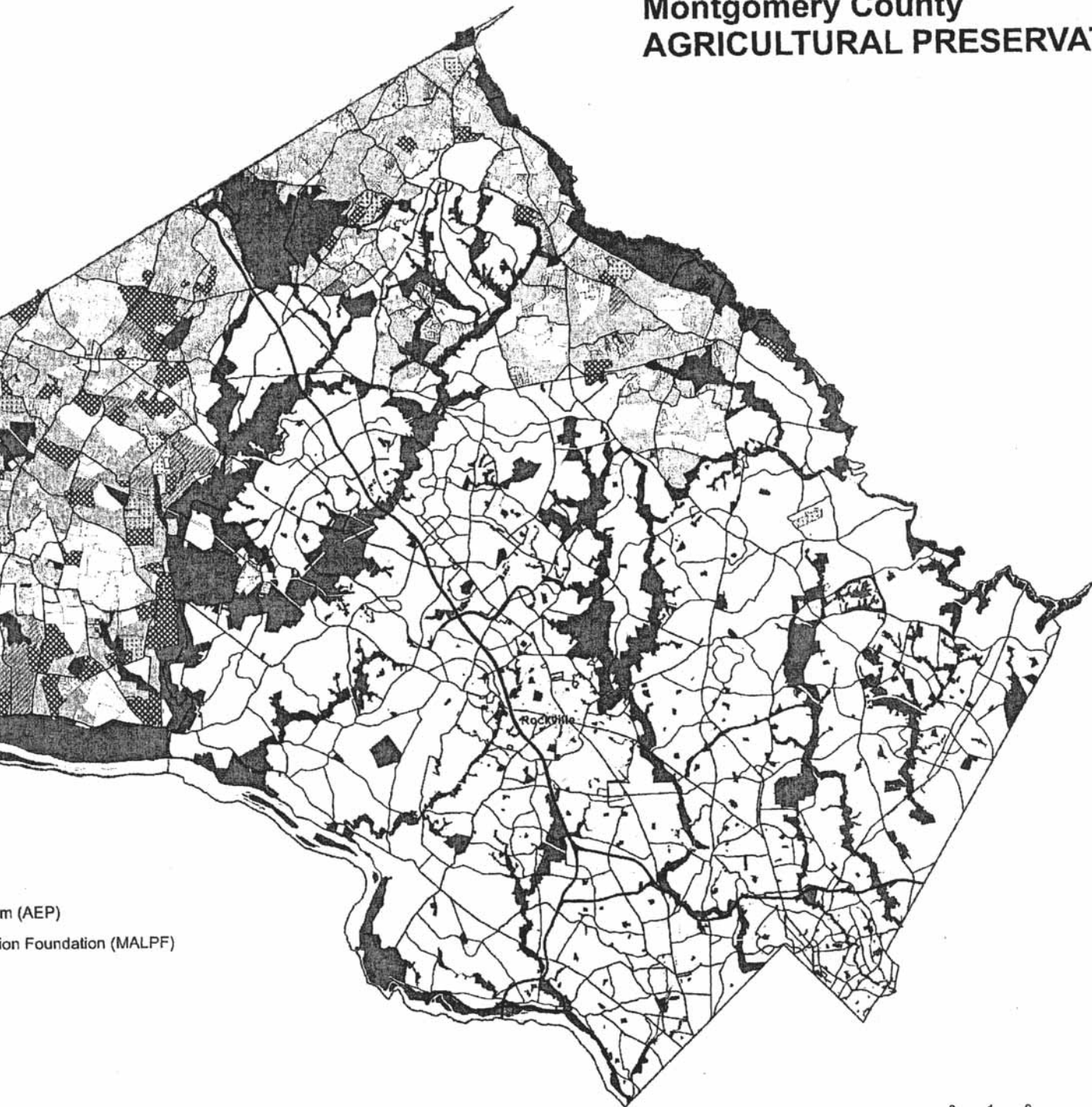
PROGRAM CONTACTS

Contact Jeremy Criss of the Department of Economic Development at 301.590.2823 or Mary Oneda-Brown of the Office of Management and Budget at 240.777.2751 for more information regarding this capital budget.

CAPITAL PROGRAM REVIEW

The Executive's recommended FY13-18 program expenditure total is \$6.984 million, which is a \$5.428 million reduction, or 43.7 percent reduction, from the FY11-16 previously approved \$12.412 million in funding. Total six year program funding includes Agricultural Transfer Tax, contributions, and investment income.

Montgomery County AGRICULTURAL PRESERVATION



m (AEP)
ion Foundation (MALPF)

2 1 0 2 Miles

Ag Land Pres Easements -- No. 788911

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Ag Land Preservation
Economic Development
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 04, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	5,409	382	743	4,284	632	654	693	742	768	795	0
Land	18,130	1,196	14,234	2,700	388	407	427	457	489	532	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	39	39	0	0	0	0	0	0	0	0	0
Total	23,578	1,617	14,977	6,984	1,020	1,061	1,120	1,199	1,257	1,327	0

FUNDING SCHEDULE (\$000)

Agricultural Transfer Tax	8,442	1,203	4,539	2,700	388	407	427	457	489	532	0
Contributions	252	0	51	201	51	30	30	30	30	30	0
Federal Aid	522	0	522	0	0	0	0	0	0	0	0
G.O. Bonds	2,000	0	2,000	0	0	0	0	0	0	0	0
Investment Income	5,102	414	605	4,083	581	624	663	712	738	765	0
M-NCPPC Contributions	5,000	0	5,000	0	0	0	0	0	0	0	0
State Aid	2,260	0	2,260	0	0	0	0	0	0	0	0
Total	23,578	1,617	14,977	6,984	1,020	1,061	1,120	1,199	1,257	1,327	0

DESCRIPTION

This project provides funds for the purchase of agricultural and conservation easements under the County Agricultural Land Preservation legislation, effective November 25, 2008, for local participation in Maryland's agricultural and conservation programs and through Executive Regulation 3-09 AM, adopted July 27, 2010. The County Agricultural Easement Program (AEP) enables the County to purchase preservation easements on farmland in the agricultural zones and in other zones approved by the County Council to preserve farmland not already protected by Transferable Development Rights (TDRs) easements or State agricultural land preservation easements.

The Maryland Agricultural Land Preservation Foundation (MALPF) enables the State to purchase preservation easements on farmland jointly by the County and State.

The Rural Legacy Program (RLP) enables the State to purchase conservation easements to preserve large contiguous tracts of agricultural land. The sale of development rights easements are proposed voluntarily by the farmland owner. Project funding comes primarily from the Agricultural Land Transfer Tax, which is levied when farmland is sold and removed from agricultural status. Montgomery County is a State-certified county under the provisions of State legislation, which enables the County to retain 75 percent of the taxes for local use. The County uses a portion of its share of the tax to provide matching funds for State easements.

In FY10, the Building Lot Termination (BLT) program was initiated. This program represents an enhanced farmland preservation program tool to further protect land where development rights have been retained in the Rural Density Transfer Zone (RDT). This program will use Agricultural Transfer Tax revenue to purchase the development rights and corresponding TDRs retained on these properties.

COST CHANGE

Reduction of \$2.0 million in General Obligation Bonds in FY12 to meet fiscal constraints and consistent with current spending pattern. Agricultural Transfer Tax decreases are partially offset by increases in Contributions and Investment Income and the addition of FY17 and FY18 project costs.

JUSTIFICATION

Annotated Code of Maryland 2-501 to 2-515, Maryland Agricultural Land Preservation Foundation; Annotated Code of Maryland 13-301 to 13-308, Agricultural Land Transfer Tax; and Montgomery County Code, Chapter 2B, Agricultural Land Preservation, and Executive Regulation 3-09 AM.

OTHER

FY13 estimated Investment Income expenditures are \$537,319: 1 workyear Sr. Business Development Specialist, .5 workyear Business Development Specialist I, 1 workyear MLS Manager II, 1.5 workyears Principal Administrative Aides, .10 workyear Resource Conservationist, .10 Sr. Business Development Specialist; \$30,000 - Deer Donation Program; \$10,000 - Montgomery Weed Control Program; and \$72,000 for Cooperative Extension Partnership.

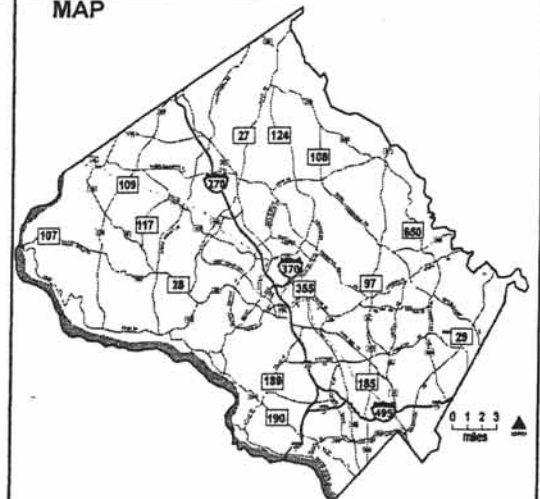
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY89	(\$000)
First Cost Estimate	FY13	21,578
Current Scope		
Last FY's Cost Estimate		24,912
Appropriation Request	FY13	639
Appropriation Request Est.	FY14	1,061
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		16,974
Expenditures / Encumbrances		3,544
Unencumbered Balance		13,430
Partial Closeout Thru	FY10	58,147
New Partial Closeout	FY11	0
Total Partial Closeout		58,147

COORDINATION

State of Maryland Agricultural Land Preservation Foundation
State of Maryland Department of Natural Resources
Maryland-National Capital Park and Planning Commission
Landowners

MAP



Ag Land Pres Easements -- No. 788911 (continued)

Appropriations are based upon a projection of Montgomery County's portion of the total amount of Agricultural Transfer Tax which has become available since the last appropriation and State Rural Legacy Program grant funding. Appropriations to this project represent a commitment of Agricultural Land Transfer Tax funds and State Aid to purchase agricultural easements. The Agricultural Transfer Taxes are deposited into an investment income fund, the interest from which is used to fund direct administrative expenses, the purchase of easements, and other agricultural initiatives carried out by the Agricultural Services Division. The program permits the County to take title to the TDRs. These TDRs are an asset that the County may sell in the future, generating revenues for the Agricultural Land Preservation Fund. The County can use unexpended appropriations for this project to pay its share (40 percent) of the cost of easements purchased by the State. Since FY99, the County has received State RLP grant funds to purchase easements for the State through the County. The State allows County reimbursement of three percent for direct administrative costs such as appraisals, title searches, surveys, and legal fees.

Given changes to the Federal Program, new Federal Aid funds are no longer programmed in this project.

FISCAL NOTE

Expenditures do not reflect additional authorized payments made from the Agricultural Land Preservation Fund balance to increase financial incentives for landowners.

Terms and conditions regarding Contributions from the Montgomery County Farm Bureau (MCFB) and the Montgomery Soil Conservation District (MSCD) will be specified within the MOU between the County and these agencies.

OTHER DISCLOSURES

- 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.

Stormwater Management

PROGRAM DESCRIPTION AND OBJECTIVES

Uncontrolled stormwater runoff from developed areas leads to erosion of stream banks, siltation and widening of stream channels, and localized flooding. Urbanization often destroys stream habitat, leading to dramatic declines in the diversity of fish and other aquatic species. Urban runoff also adds to downstream pollution in the Anacostia, Patuxent, and Potomac rivers and the Chesapeake Bay. Multi-state agreements as well as State legislation and programs emphasize the importance of watershed-based programs to protect aquatic habitat and reduce pollution in the Bay and its tributaries.

The objectives of the Stormwater Management program are protection of natural waterway environments; restoration of streams previously damaged by excessive erosion, sedimentation, and impaired water quality; and prevention or remediation of property damage caused by localized flooding. The County's Stormwater Management program is watershed-based and proactive in nature, focusing on mitigating problems caused by development that was constructed prior to implementation of stringent stormwater management controls, and on proactive planning in the developing portions of the County.

The Stormwater Management capital program addresses problems caused by prior development through facility planning studies and the development of Watershed Restoration Action Plans, and through the design and construction of stormwater retrofit projects (including low impact development) and stream restoration projects. These projects reduce pollution in streams and manage peak runoff flows to reduce stream channel habitat and sedimentation damage from watershed development and urbanized areas. This prevents flooding and reduces erosive velocities affecting stream channels. Project implementation helps fulfill requirements specified in the County's National Pollutant Discharge Elimination System (NPDES) municipal stormwater discharge permit. Stream restoration priorities are established through the Countywide Stream Protection Strategy (CSPS, February 2003).

Since FY04, the County has offered public maintenance services for qualified private stormwater facilities. All residential property and "associated non-residential" structures are eligible for County maintenance. Property owners pay a Water Quality Protection Charge (WQPC) to fund the maintenance of these privately-owned structures as well as County-owned facilities. This program will improve the long-term operational effectiveness of these facilities and increase their pollution removal efficiency. Inspection and routine maintenance of these facilities are funded in the operating budget, while major

structural repairs that require extensive engineering design and permitting are funded in the CIP.

The County was issued a five year National Pollutant Discharge Elimination System (NPDES) permit in February 2010 to develop a storm water management program to prevent harmful pollutants from being washed or dumped into the Municipal Separate Storm Sewer System (MS-4). The Department of Transportation (DOT) is assisting the Department of Environmental Protection (DEP) in implementing the MS-4 Permit by (1) constructing Storm Water Management (SWM) retrofit projects which have been developed through DEP's MS-4 planning studies, (2) providing opportunities for curb bump-outs and road narrowing where feasible to permit implementation of low-impact development (LID) SWM provisions within the right-of-way, (3) seeking DEP guidance on prioritization of storm drain outfall repairs, (4) coordinating with DEP on storm drain projects developed in the Storm Drain General and Facility Planning - Storm Drain programs to identify opportunities for enhancements which would assist in meeting the requirements of the MS-4 permit, and (5) establishing quarterly meetings with DEP and DOT staff looking for additional areas of cooperation in meeting the MS-4 permit requirements.

HIGHLIGHTS

- Undertake the planning and implementation of stormwater controls, public outreach, stream monitoring, and other actions needed to comply with the County's National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS-4) permit, which will significantly enhance the County's efforts to improve water quality in local streams and ultimately the Chesapeake Bay
- Expand the design and construction of environmentally friendly stormwater management techniques known as environmental site design (ESD) or low impact development (LID) throughout the County, including County facilities
- Construct new stormwater management facilities and retrofit old stormwater controls to prevent property damage, improve water quality, and protect habitat
- Perform major structural repairs on public and private stormwater facilities accepted into the County's maintenance program
- Continue to repair damaged stream channels and tributaries in stream valley parks and priority watersheds
- Expand the County's efforts to prevent trash from polluting our streams and rivers

PROGRAM CONTACTS

Contact Craig Carson of the Department of Environmental Protection at 240.777.7709 or Ed Piesen of the Office of Management and Budget at 240.777.2764 for more information regarding this department's capital budget.

CAPITAL PROGRAM REVIEW

Six ongoing projects and two new projects are recommended for FY13-18 and described in detail in the Project Description Forms. The Recommended FY13-18 Stormwater Management Program totals \$295.0 million, an increase of \$188.7 million or 177.6 percent from the amended approved FY11-16 program of \$106.3 million. This increase will be funded primarily by long-term debt financing through the issuance of Water Quality Protection Bonds (WQPBs) secured by the Water Quality Protection Charge (WQPC). The bonds will cover expenditures incurred for the planning, design, and construction of additional stormwater facilities needed to comply with the requirements of the County's MS-4 permit. Also included in the funding of the stormwater management projects is an assumption of \$60 million in state aid based on the state's expressed interest in enacting legislation to support stormwater management efforts in the state.

Facility Planning: SM -- No. 809319

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 10, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	15,270	6,688	1,832	6,750	1,150	1,150	1,150	1,100	1,100	1,100	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	0	0	0	0	0	0	0	0	0	0	0
Other	42	42	0	0	0	0	0	0	0	0	0
Total	15,312	6,730	1,832	6,750	1,150	1,150	1,150	1,100	1,100	1,100	*

FUNDING SCHEDULE (\$000)

Current Revenue: General	5,000	5,000	0	0	0	0	0	0	0	0	0
State Aid	140	140	0	0	0	0	0	0	0	0	0
Stormwater Management Waiver Fees	797	797	0	0	0	0	0	0	0	0	0
Water Quality Protection Charge	9,375	793	1,832	6,750	1,150	1,150	1,150	1,100	1,100	1,100	0
Total	15,312	6,730	1,832	6,750	1,150	1,150	1,150	1,100	1,100	1,100	0

DESCRIPTION

This project provides for facility planning and feasibility studies to evaluate watershed conservation needs and to identify remedial project alternatives for stormwater management, stormwater retrofit, Environmental Site Design (ESD)/Low Impact Development (LID) and stream restoration projects. Projects in facility planning may include the preparation of watershed plans assessing stream restoration, stormwater management retrofit projects, and LID and ESD projects to help mitigate degraded stream conditions in rural and developed watersheds. Water quality monitoring and analysis is required to quantify impacts of watershed development and projects implemented in Retrofit SM Government Facilities (No. 800900), SM Retrofit Roads (No. 801300), SM Retrofit Schools (No. 801301), SM Retrofit Countywide (No. 808726), and Misc Stream Valley Improvements (No. 807359). The products generated in facility planning support the requirements in the County's Municipal Separate Storm Sewer System (MS4) Permit. Facility planning represents planning and preliminary design and develops a program of requirements in advance of full programming of a project. Projects planned include: LID Facilities Phase II for Schools, Patuxent River, Dry Seneca and Little Seneca, Upper Potomac and Little Monocacy, and feasibility studies planned with the United States Army Corps of Engineers. This project also provides for operation of a automated fixed monitoring stations as required by the MS4 Permit.

COST CHANGE

Project cost increase is due to scope increases related to complying with requirements of the County's MS4 permit.

JUSTIFICATION

The Facility Planning products support the requirements outlined in the MS4 Permit as detailed in the Montgomery County Coordinated Implementation Strategy (CCIS). This project establishes the facilities planning data and alternatives analysis needed to identify and set priorities for individual capital projects. Facility planning costs for projects which are ultimately included in stand-alone Project Description Forms (PDFs) are reflected here and not in the resulting individual project. Future individual CIP projects which result from facility planning will each reflect reduced planning and design costs.

OTHER DISCLOSURES

- 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.
- * Expenditures will continue indefinitely.

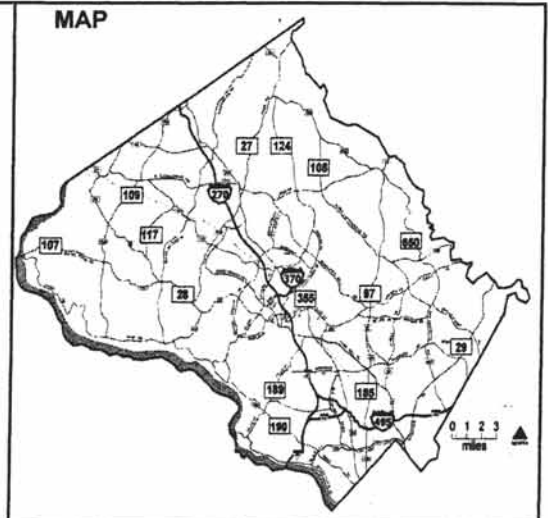
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY93	(\$000)
First Cost Estimate	FY13	15,312
Current Scope		
Last FY's Cost Estimate		13,462
Appropriation Request	FY13	1,150
Appropriation Request Est.	FY14	1,150
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		8,562
Expenditures / Encumbrances		7,057
Unencumbered Balance		1,505
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

Maryland-National Capital Park and Planning Commission
U. S. Army Corps of Engineers
Washington Suburban Sanitary Commission
Department of Transportation
Montgomery County Public Schools
SM Retrofit Government Facilities (PDF No. 800900)
SM Retrofit Government Facilities (PDF No. 800900)
SM Retrofit Roads (PDF No. 801300)
SM Retrofit Schools (PDF No. 801301)
SM Retrofit Countywide (PDF No. 808726)
Misc. Stream Valley Improvements (PDF No. 807359)

MAP



Misc Stream Valley Improvements -- No. 807359

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 10, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	6,821	497	1,029	5,295	1,025	1,025	1,025	740	740	740	0
Land	42	2	40	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	14,260	293	3,392	10,575	2,045	2,045	2,045	1,480	1,480	1,480	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	21,123	792	4,461	15,870	3,070	3,070	3,070	2,220	2,220	2,220	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	288	288	0	0	0	0	0	0	0	0	0
State Aid	7,768	0	1,768	6,000	1,000	1,000	1,000	1,000	1,000	1,000	0
Stormwater Management Waiver Fees	233	0	233	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	12,150	0	2,280	9,870	2,070	2,070	2,070	1,220	1,220	1,220	0
Water Quality Protection Charge	684	504	180	0	0	0	0	0	0	0	0
Total	21,123	792	4,461	15,870	3,070	3,070	3,070	2,220	2,220	2,220	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				350	0	5	25	60	105	155
Net Impact				350	0	5	25	60	105	155

DESCRIPTION

This project provides for design and construction of habitat restoration or stabilization measures for stream reaches having severe channel erosion, sedimentation, and habitat degradation. Developed areas constructed without modern stormwater controls contribute uncontrolled runoff which results in severely eroded streambanks, excessive sediment, tree loss, and degraded habitat for fish and aquatic life. Stormdrain outfalls damaged from severe erosion are identified and assessed in the project areas. Where possible, the outfalls are repaired as part of stream restoration projects and are funded from the Outfall Repairs project (No. 509948). When feasible, outfall discharges are redirected to create small constructed wetlands which provide new habitat and mitigate discharge impacts. Impacts to the stream also adversely affect sanitary sewer crossings by exposing sewer lines and manholes. These exposed and damaged sewer lines 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 cost change is due to scope changes to accommodate site conditions and higher project costs.

JUSTIFICATION

The project supports the requirements of the MS4 permit and addresses the goals of the Chesapeake Bay Tributary Strategy Initiatives, 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 Donnybrook Tributary, Hollywood Branch I, Breewood, Bedfordshire and Fallsreach, Muddy Branch I, Great Seneca (GSGN 205), Stonybrook Tributary, Snakeden Branch II and Whetstone Run.

FISCAL NOTE

The partial State Aid appropriation is based on a letter of commitment the County received from the State of Maryland. While the State has indicated a desire to increase funding for stormwater management projects, this will require state legislative action. Until this legislation is enacted, only committed state funding has been appropriated.

OTHER DISCLOSURES

- 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.

- * Expenditures will continue indefinitely.

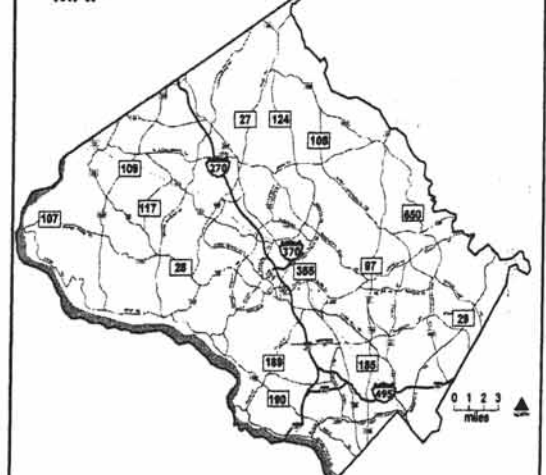
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY73	(\$000)
First Cost Estimate	FY13	21,123
Current Scope		
Last FY's Cost Estimate		10,833
Appropriation Request	FY13	2,570
Appropriation Request Est.	FY14	2,070
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		5,253
Expenditures / Encumbrances		3,164
Unencumbered Balance		2,089
Partial Closeout Thru	FY10	13,706
New Partial Closeout	FY11	0
Total Partial Closeout		13,706

COORDINATION

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

MAP



SM Facility Major Structural Repair -- No. 800700

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 10, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	6,385	671	774	4,940	785	815	835	835	835	835	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	14,065	1,866	2,339	9,860	1,565	1,635	1,665	1,665	1,665	1,665	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	20,450	2,537	3,113	14,800	2,350	2,450	2,500	2,500	2,500	2,500	*

FUNDING SCHEDULE (\$000)

State Aid	6,000	0	0	6,000	1,000	1,000	1,000	1,000	1,000	1,000	0
Water Quality Protection Bonds	11,450	0	2,650	8,800	1,350	1,450	1,500	1,500	1,500	1,500	0
Water Quality Protection Charge	3,000	2,537	463	0	0	0	0	0	0	0	0
Total	20,450	2,537	3,113	14,800	2,350	2,450	2,500	2,500	2,500	2,500	0

DESCRIPTION

This project provides for the design and construction of major structural repairs to County maintained stormwater management facilities. The County is responsible for structural maintenance of over 2,000 stormwater management facilities, an increase of approximately 300 stormwater management facilities. The project includes old facilities that require more extensive maintenance as ponds fill with sediment, pipes rust, concrete structures crack and deteriorate, and dam embankments develop leaks. Some of the existing stormwater facilities require extensive engineering analysis and design and may require retrofitting which is funded through the SM Retrofit: Countywide project (No. 808726).

COST CHANGE

Increase is due to an increase number of projects to meet the Municipal Separate Storm Sewer System Permit (MS4), the inclusion of larger and more complex projects, higher construction costs, and the utilization of new sliplining techniques.

JUSTIFICATION

This project provides for major structural repairs in order to comply with the County's MS4 permit. It is limited to funding repairs at those few, generally large, facilities that require extensive engineering design and permitting that cannot be accomplished within a single fiscal year due to the time required to obtain State and Federal permits.

OTHER

The Department of Environmental Protection (DEP) continues to partner with the Maryland State Highway Administration as part of the Inter-County Connector (ICC). The partnership enables the county to realize significant cost savings while retrofitting a number of stormwater management facilities. Projects include: Quince Orchard Manor (Quince Orchard Valley Neighborhood Park), Montgomery Auto Park, Brookville Depot, Lake Whetstone, Chadswood, Hunters Woods, B'nai Israel, Brandermill, Gunners Lake, Persimmon Tree and ICC cost-share.

FISCAL NOTE

While the State has indicated a desire to increase funding for stormwater management projects, this will require state legislative action. Until that legislation is enacted, only committed state funding is appropriated.

OTHER DISCLOSURES

- 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.

- * Expenditures will continue indefinitely.

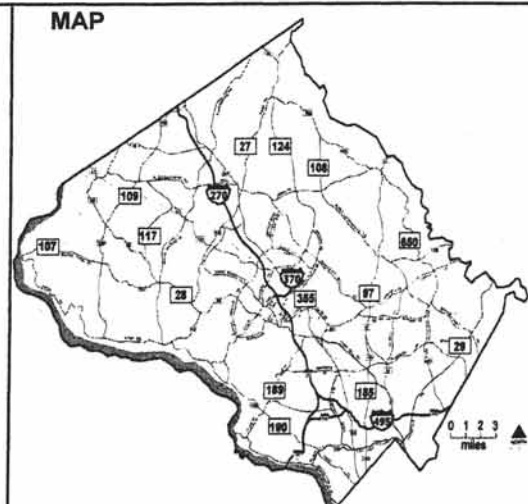
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY07	(\$000)
First Cost Estimate	FY13	20,450
Current Scope		
Last FY's Cost Estimate		12,250
Appropriation Request	FY13	1,350
Appropriation Request Est.	FY14	1,450
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		5,650
Expenditures / Encumbrances		3,223
Unencumbered Balance		2,427
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

Department of Transportation
Maryland-National Capital Park and Planning Commission
Department of Permitting Services
Homeowners Associations
Montgomery County Public Schools
Department of General Services
Maryland State Highway Administration
SM Retrofit: Countywide (No. 808726)

MAP



SM Retrofit - Government Facilities -- No. 800900

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 10, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	9,595	1,244	2,541	5,810	705	965	1,035	1,035	1,035	1,035	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	3	3	0	0	0	0	0	0	0	0	0
Construction	17,378	158	5,605	11,615	1,420	1,935	2,065	2,065	2,065	2,065	0
Other	6	0	6	0	0	0	0	0	0	0	0
Total	26,982	1,405	8,152	17,425	2,125	2,900	3,100	3,100	3,100	3,100	*

FUNDING SCHEDULE (\$000)

State Aid	6,000	0	0	6,000	1,000	1,000	1,000	1,000	1,000	1,000	0
Water Quality Protection Bonds	19,800	223	8,152	11,425	1,125	1,900	2,100	2,100	2,100	2,100	0
Water Quality Protection Charge	1,182	1,182	0	0	0	0	0	0	0	0	0
Total	26,982	1,405	8,152	17,425	2,125	2,900	3,100	3,100	3,100	3,100	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				123	0	1	6	21	36	59
Net Impact				123	0	1	6	21	36	59

DESCRIPTION

This project provides for the design and construction of Environmental Site Design (ESD)/Low Impact Development (LID) stormwater management devices at County facilities such as buildings, parking garages, and parking lots constructed prior to modern stormwater management controls. ESD/LID stormwater devices include "Green Roofs," bioretention areas, tree box inlets, porous concrete and other types of devices that promote water filtering and groundwater recharge. Implementing new stormwater devices in developed areas built without, or inadequate stormwater, control is required in the County's Municipal Separate Storm Sewer System (MS4) Permit as detailed in the draft Montgomery County Coordinated Implementation Strategy (CCIS). The Department of Environmental Protection (DEP) in coordination with the Department of General Services (DGS) has identified candidate CIP projects that will be implemented jointly.

COST CHANGE

The project costs have decreased due to the transfer of SM Retrofit activities for roads and schools to two new stand alone projects (No. 801300 and No. 801301). Costs for the remaining County facilities have increased due to the addition of candidate projects to comply with the County's MS4 permit requirements.

JUSTIFICATION

The SM Retrofit - Government Facilities project has been separated into three CIP projects: SM Retrofit - Government Facilities (CIP ID No. 800900), SM Retrofit - Roads (CIP ID No. 801300) and SM Retrofit - Schools (CIP ID No. 801301). This project supports the requirements of the County's MS4 permit and addresses the goals of the Chesapeake Bay tributary strategy initiatives, and the County's adopted water quality goals (Chapter 19, Article IV), which require 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.

Projects in design and construction include one project located in the Rock Creek Watershed, one project located in the Muddy Branch Watershed, three projects located in the Great Seneca Creek Watershed, one project located in the Patuxent River Watershed, one project located in the Cabin John Creek Watershed, and four projects located in the Anacostia River Watershed.

FISCAL NOTE

While the State has indicated a desire to increase funding for stormwater management projects, this will require state legislative action. Until that legislation is enacted, only committed state funding is appropriated.

OTHER DISCLOSURES

- 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.
- * Expenditures will continue indefinitely.

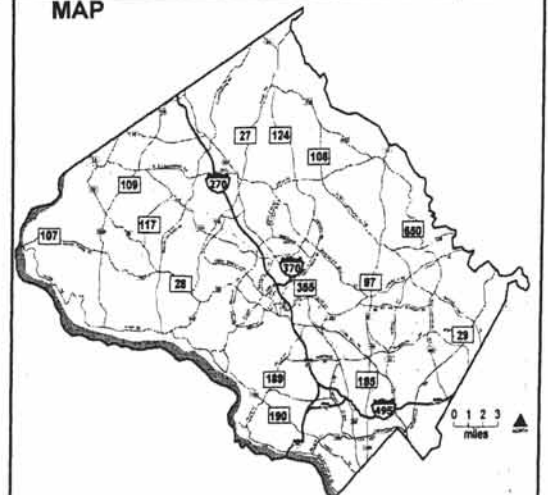
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY09	(\$000)
First Cost Estimate	FY13	26,982
Current Scope		
Last FY's Cost Estimate		29,157
Appropriation Request	FY13	1,125
Appropriation Request Est.	FY14	1,900
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		9,557
Expenditures / Encumbrances		4,481
Unencumbered Balance		5,076
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

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

MAP



SM Retrofit - Roads -- No. 801300

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 10, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	21,460	0	0	21,460	2,840	3,300	3,830	3,830	3,830	3,830	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	42,965	0	0	42,965	5,675	6,610	7,670	7,670	7,670	7,670	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	64,425	0	0	64,425	8,515	9,910	11,500	11,500	11,500	11,500	*

FUNDING SCHEDULE (\$000)

State Aid	15,000	0	0	15,000	2,500	2,500	2,500	2,500	2,500	2,500	0
Water Quality Protection Bonds	49,425	0	0	49,425	6,015	7,410	9,000	9,000	9,000	9,000	0
Total	64,425	0	0	64,425	8,515	9,910	11,500	11,500	11,500	11,500	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				923	0	9	18	124	230	542
Net Impact				923	0	9	18	124	230	542

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

This project was created to separate stormwater retrofit costs for roads from those previously budgeted in the SM Retrofit-Government Facilities CIP project (No. 800900). Project costs for SM Retrofit-Roads have increased significantly due to the addition of candidate projects to comply with the County's MS4 permit requirements.

JUSTIFICATION

This project supports the requirements of the MS4 permit and addresses the goals of the Chesapeake Bay tributary strategy initiative, 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 new stand alone project includes all the 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).

Projects planned for construction include Arcola Avenue DOT Participation, Dennis Avenue DOT Participation, Forest Estates DOT Participation, Franklin Knolls DOT Partnership, Lockridge Drive, and Stewart Lane.

Projects planned for design and construction by watershed include three projects in the Rock Creek Watershed and seven projects in the Anacostia River Watershed.

FISCAL NOTE

The partial State Aid appropriation is based on a letter of commitment the County received from the State of Maryland. While the State has indicated a desire to increase funding for stormwater management projects, this will require state legislative action. Until that legislation is enacted, only committed state funding is appropriated.

OTHER DISCLOSURES

- 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.
- * Expenditures will continue indefinitely.

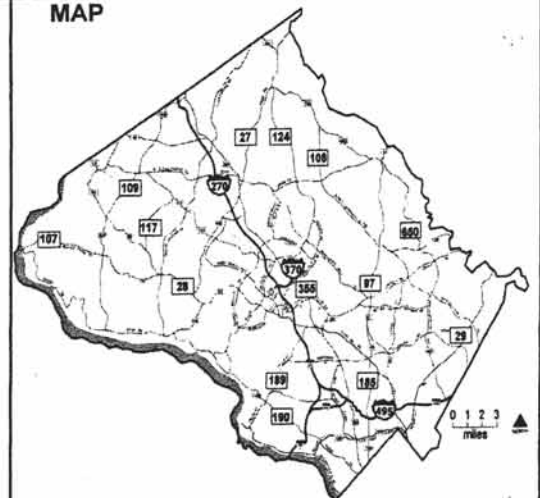
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY13	(\$000)
First Cost Estimate	FY13	64,425
Current Scope		
Last FY's Cost Estimate		0
Appropriation Request	FY13	6,515
Appropriation Request Est.	FY14	7,410
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

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

MAP



SM Retrofit - Schools -- No. 801301

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 10, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	6,690	0	0	6,690	420	335	1,090	1,615	1,615	1,615	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	13,410	0	0	13,410	850	675	2,180	3,235	3,235	3,235	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	20,100	0	0	20,100	1,270	1,010	3,270	4,850	4,850	4,850	*

FUNDING SCHEDULE (\$000)

Water Quality Protection Bonds	20,100	0	0	20,100	1,270	1,010	3,270	4,850	4,850	4,850	0
Total	20,100	0	0	20,100	1,270	1,010	3,270	4,850	4,850	4,850	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				108	0	4	8	20	32	44
Net Impact				108	0	4	8	20	32	44

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 would 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

This project was created to separate stormwater retrofit costs for schools from those budgeted in the SM Retrofit-Government Facilities CIP project (No. 800900). Project costs for SM Retrofit-Schools have increased significantly due to the addition of candidate projects to comply with the County's MS4 permit requirements.

JUSTIFICATION

This project supports the requirements of the MS4 permit and addresses the goals of the Chesapeake Bay tributary strategy initiatives, 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 new stand alone project includes LID/ESD projects located on MCPS property and allows for a more efficient implementation of projects in partnership with MCPS. Projects planned for design and construction on MCPS properties include one project located in the Rock Creek Watershed, one project located in the Great Seneca Creek Watershed, one project in the Watts Branch Watershed, and five projects located in the Anacosta River Watershed.

FISCAL NOTE

No state aid is programmed for this project. However, while the State has indicated a desire to increase funding for stormwater management projects, this will require state legislative action. Until that legislation is enacted, only committed state funding is appropriated.

OTHER DISCLOSURES

- 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.
- * Expenditures will continue indefinitely.

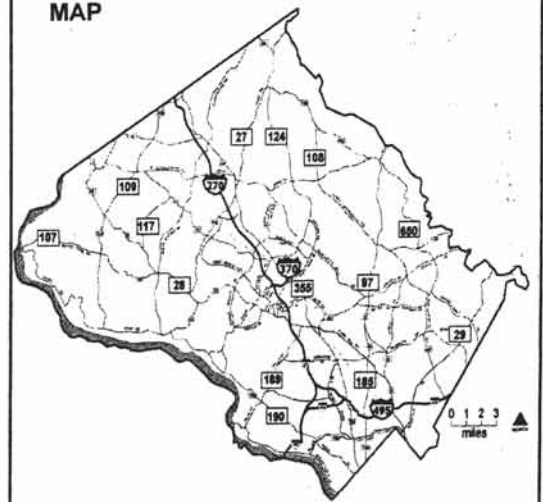
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY13	(\$000)
First Cost Estimate	FY13	20,100
Current Scope		
Last FY's Cost Estimate		0
Appropriation Request	FY13	1,270
Appropriation Request Est.	FY14	1,010
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

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

MAP



SM Retrofit: Countywide -- No. 808726

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 10, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	52,499	911	263	51,325	5,400	8,065	8,365	8,165	9,830	11,500	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	109,561	1,246	5,630	102,685	10,810	16,135	16,735	16,335	19,670	23,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	162,060	2,157	5,893	154,010	16,210	24,200	25,100	24,500	29,500	34,500	*

FUNDING SCHEDULE (\$000)

Fed Stimulus (State Allocation)	263	263	0	0	0	0	0	0	0	0	0
Federal Aid	299	0	299	0	0	0	0	0	0	0	0
State Aid	31,429	1,894	2,535	27,000	4,500	4,500	4,500	4,500	4,500	4,500	0
Water Quality Protection Bonds	130,069	0	3,059	127,010	11,710	19,700	20,600	20,000	25,000	30,000	0
Total	162,060	2,157	5,893	154,010	16,210	24,200	25,100	24,500	29,500	34,500	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				36	0	0	0	6	12	18
Net Impact				36	0	0	0	6	12	18

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 4,300 impervious acres, not currently treated to the "maximum extent practicable" to address the approved Total Maximum Daily Loads (TMDLs). 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 2000 Agreement. In small drainage areas, retrofit projects may also include biofiltration, bioretention, or stormwater filtering devices.

COST CHANGE

The increased level of funding in this project reflects the new MS4 permit requirements outlined in the Montgomery County Coordinated Implementation Strategy (CCIS).

JUSTIFICATION

This project is needed to comply with the new MS4 permitting requirements outlined in the County Coordinated Implementation Strategy (CCIS) 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 Chesapeake Bay tributary strategy initiatives and the Anacostia Watershed Restoration Agreement.

OTHER

Projects in design and construction include thirteen projects located in the Rock Creek Watershed, five projects located in the Watts Branch Watershed, forty four projects located in the Great Seneca Creek Watershed, five projects located in the Muddy Branch Watershed, five projects located in the Cabin John Creek Watershed, and fifteen projects located in the Anacostia River Watershed.

FISCAL NOTE

While the State has indicated a desire to increase funding for stormwater management projects, this will require state legislative action. Until that legislation is enacted, only committed state funding is appropriated.

OTHER DISCLOSURES

- 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.
- * Expenditures will continue indefinitely.

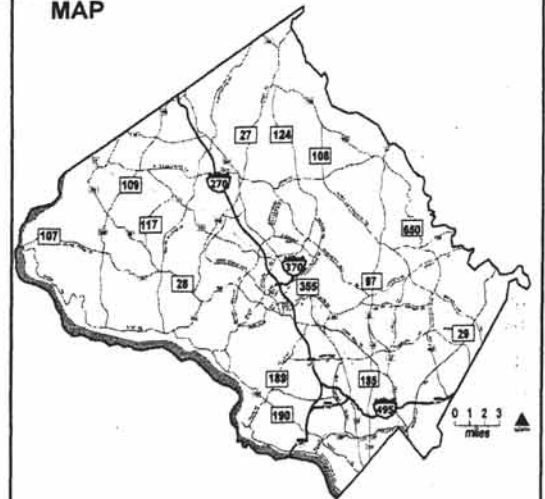
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY87	(\$000)
First Cost Estimate		
Current Scope	FY13	162,060
Last FY's Cost Estimate		55,851
Appropriation Request	FY13	11,710
Appropriation Request Est.	FY14	19,700
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		8,050
Expenditures / Encumbrances		4,723
Unencumbered Balance		3,327
Partial Closeout Thru	FY10	13,241
New Partial Closeout	FY11	0
Total Partial Closeout		13,241

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)

MAP



Watershed Restoration - Interagency -- No. 809342

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Colesville-White Oak

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 10, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	3,438	2,466	192	780	60	60	310	230	60	60	0
Land	129	4	125	0	0	0	0	0	0	0	0
Site Improvements and Utilities	134	0	134	0	0	0	0	0	0	0	0
Construction	2,335	954	541	840	250	250	0	0	170	170	0
Other	2	1	1	0	0	0	0	0	0	0	0
Total	6,038	3,425	993	1,620	310	310	310	230	230	230	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	527	527	0	0	0	0	0	0	0	0	0
Stormwater Management Waiver Fees	3,376	2,868	508	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	2,105	0	485	1,620	310	310	310	230	230	230	0
Water Quality Protection Charge	30	30	0	0	0	0	0	0	0	0	0
Total	6,038	3,425	993	1,620	310	310	310	230	230	230	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				50	0	0	5	10	15	20
Net Impact				50	0	0	5	10	15	20

DESCRIPTION

This project provides for the design and construction of stormwater management retrofits and stream restoration projects which manage stormwater runoff, enhance aquatic habitat and improve water quality in County streams. The projects are done under interagency agreements with the U.S. Army Corps of Engineers (USACE). The first two agreements, which were signed in 1992 and 1997, were limited to subwatersheds within the Anacostia Watershed. In FY04, the USACE expanded project eligibility to include all County subwatersheds within the Mid-Potomac watershed. The feasibility study and the design and construction of the projects selected in Montgomery County are managed by the U.S. Army Corps of Engineers with assistance from the Maryland Department of Environmental Protection and Maryland-National Capital Park and Planning Commission.

COST CHANGE

Project cost increase is due to the added program expenditures in FY17 and FY18.

JUSTIFICATION

This project will improve local stream water quality, protect stream conditions, and enhance wildlife and aquatic habitats in Sligo Creek, Northwest Branch, Paint Branch, and Little Paint Branch tributaries within the interjurisdictional Anacostia River Watershed. The project supports the goals of the Chesapeake Bay initiatives, the Anacostia Watershed Restoration Agreement, and addresses the County's Municipal Separate Storm Sewer System (MS4) permit as detailed in the draft Montgomery County Coordinated Implementation Strategy (CCIS).

FISCAL NOTE

This project leverages Federal Aid with the Federal government paying for 75 percent of construction costs for projects designed under the Anacostia Phase I Feasibility Study, and 65 percent of construction costs for projects designed under the subsequent agreements. Program expenditures reflect County contributions to the U.S. Army Corps of Engineers for design/construction activities and in-kind services.

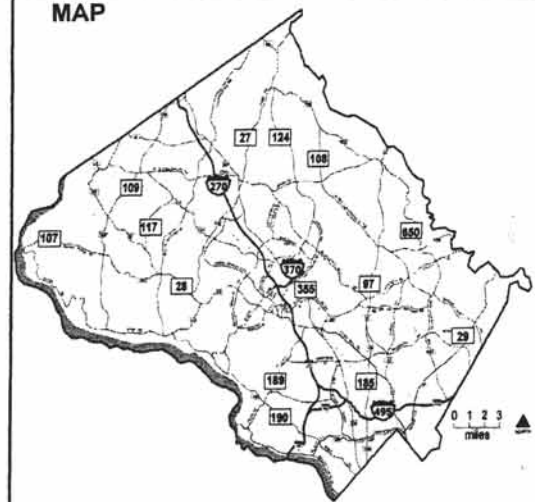
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY93	(\$000)
First Cost Estimate	FY13	6,038
Current Scope		
Last FY's Cost Estimate		5,888
Appropriation Request	FY13	310
Appropriation Request Est.	FY14	310
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,418
Expenditures / Encumbrances		3,671
Unencumbered Balance		747
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

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

MAP



Storm Drains

PROGRAM DESCRIPTION AND OBJECTIVES

The Department of Transportation (DOT) involvement in the County Conservation of Natural Resources program is mandated by Section 2-58A (c) of the County Code which requires DOT to be responsible for control, supervision, design, construction, and maintenance of all culverts and storm drainage systems under the jurisdiction of the County.

The DOT Storm Drains Capital Program consists of the construction of storm drainage structures such as curbs, gutters, drainage inlets, pipes (which provide for stream enclosure), and paved channels. Such networks are constructed to provide for the conveyance of stormwater from impervious surfaces into natural drainage swales and stream channels. This program is focused on storm drainage projects outside the scope of the larger DOT Roads program, which also installs storm drainage systems at the time of new road construction or existing road reconstruction or enhancement.

A second component of the storm drainage program involves County-developer and homeowner participation in the construction of storm drainage facilities. Construction of storm drainage facilities provides a public and environmental benefit by reducing drainage problems, flooding, property damage, and contributing to the orderly development of the County. In participation projects, the County and the developer or the homeowner agree to share the costs of storm drainage facilities in which the benefit of storm drainage extends beyond the developer's or homeowner's own property. The County pays only for that portion of the project which benefits properties other than the developer's or homeowner's, not to exceed 50 percent of the total cost. Homeowners can satisfy their portion of the cost-share through in-kind contributions.

STORMWATER MANAGEMENT COORDINATION

In addition, the County was issued a five year National Pollutant Discharge Elimination System (NPDES) Permit in February 2010 to develop a storm water management program to prevent harmful pollutants from being washed or dumped into the Municipal Separate Storm Sewer Systems (MS4). The DOT is assisting the Department of Environmental Protection (DEP) in implementing the MS4 Permit by 1) constructing Storm Water Management (SWM) retrofit programs which have been developed through DEP's MS4 planning studies, 2) providing opportunities for curb bump-outs and road narrowing where feasible to permit implementation of Low-Impact Development (LID) SWM provisions within the right-of-way, 3) seeking DEP guidance on prioritization of storm drain outfall repairs, 4) coordinating with DEP on storm drain projects developed in the

Storm Drain General and Facility Planning Storm Drain programs to identify opportunities for enhancements which would assist in meeting the requirements of the MS4 permit, and 5) establishing quarterly meetings with DEP and DOT staff looking for additional areas of cooperation in meeting the MS4 permit requirements.

HIGHLIGHTS

- Complete phase three of the Town of Chevy Chase Storm Drain Improvement project to improve drainage.

PROGRAM CONTACTS

Contact Holger Serrano of the Department of Transportation at 240.777.7235 or Adam Damin of the Office of Management and Budget at 240.777.2794 for more information regarding this department's capital budget.

CAPITAL PROGRAM REVIEW

The Storm Drainage program for FY13-18 includes four ongoing and one continuing project. The overall cost of the recommended six-year program is \$11.2 million, representing a \$2.9 million or 20.6 percent decrease from the FY11-16 Amended Program of \$14.1 million. The cost decrease is primarily due to the completion of the Henderson Avenue Storm Drain and Roadway Improvement project in FY12.

Facility Planning: Storm Drains -- No. 508180

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Storm Drains
Transportation
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	5,617	3,691	346	1,580	250	250	250	250	290	290	0
Land	128	128	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	37	37	0	0	0	0	0	0	0	0	0
Other	2	2	0	0	0	0	0	0	0	0	0
Total	5,784	3,858	346	1,580	250	250	250	250	290	290	*

FUNDING SCHEDULE (\$000)

Current Revenue: General	5,683	3,757	346	1,580	250	250	250	250	290	290	0
G.O. Bonds	101	101	0	0	0	0	0	0	0	0	0
Total	5,784	3,858	346	1,580	250	250	250	250	290	290	0

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 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 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

Increase due to the addition of FY17-18 and overhead costs to this on-going level of effort project.

JUSTIFICATION

Evaluation, justification, and cost-benefit analysis are completed by DOT as necessary. In the case of participation projects, the preparation of drainage studies and preliminary plans will be prepared by the requestor's engineer and reviewed by DOT.

A review of impacts to pedestrians, bicyclists, and ADA (Americans with Disabilities Act of 1991) is being performed and addressed for each subproject in this project. 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 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.

Construction projects completed: Aberdeen Place, Mississippi Avenue, Woodside Parkway, Manchester Road at Bradford Road, Hermitage Avenue, Renwood Lane, Fireside Drive, Burnt Mills Hills.

Candidate projects for FY13-14: Meadowood Drive.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.
- * Expenditures will continue indefinitely.

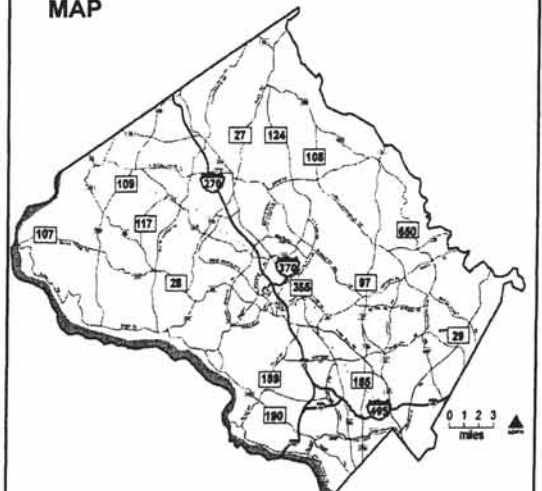
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	(\$000)
First Cost Estimate	FY13	5,784
Current Scope		
Last FY's Cost Estimate		5,204
Appropriation Request	FY13	250
Appropriation Request Est.	FY14	250
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,203
Expenditures / Encumbrances		3,981
Unencumbered Balance		222
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

Montgomery County Department of Environmental Protection
Maryland-National Capital Park and Planning Commission
Maryland Department of the Environment
United States Army Corps of Engineers
Montgomery County Department of Permitting Services
Utility Companies
Annual Sidewalk Program (CIP No. 506747)

MAP



Maple Avenue Storm Drain & Roadway Improvements -- No. 501100

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Storm Drains
Transportation
Bethesda-Chevy Chase

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 2012
No
None.
Planning Stage

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	485	61	219	205	205	0	0	0	0	0	0
Land	135	0	0	135	0	135	0	0	0	0	0
Site Improvements and Utilities	10	0	0	10	0	10	0	0	0	0	0
Construction	990	0	0	990	590	400	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	1,620	61	219	1,340	795	545	0	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	1,510	61	219	1,230	795	435	0	0	0	0	0
Intergovernmental	110	0	0	110	0	110	0	0	0	0	0
Total	1,620	61	219	1,340	795	545	0	0	0	0	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				5	0	1	1	1	1	1	1
Net Impact				5	0	1	1	1	1	1	1

DESCRIPTION

This project provides for reconstruction of full depth pavement and construction of storm drain improvements along Maple Avenue from Tilbury Street to about 200 linear feet east of Maryland Avenue (approximate length of 1,100 linear feet). The specific improvements will include reconstruction and resurfacing of the roadway, curb and gutters within a 22-foot roadway section, storm drain system (inlets and drain pipes), and adjustment of existing inlets.

CAPACITY

The storm drain design is based on the ten-year storm frequency interval.

ESTIMATED SCHEDULE

Design commenced in the summer of 2010 and will be completed by the Winter of 2011. Construction is expected to start in the Fall of 2012 and take approximately 12 months to complete.

JUSTIFICATION

The community has experienced severe flooding of the sidewalks, yards, driveways, garages and basements during rain storms and has requested storm drain improvements. This project is to alleviate stagnating water on the sidewalk and inundation of dwellings along Maple Avenue from Tilbury Street to Maryland Avenue. The installation of the proposed storm drain system is followed by the reconstruction/resurfacing of the pavement section. The project would benefit all 24 residences in the community.

FISCAL NOTE

Intergovernmental revenue is from the Washington Suburban Sanitary Commission for its agreed share of water and sewer relocation costs.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.

APPROPRIATION AND EXPENDITURE DATA

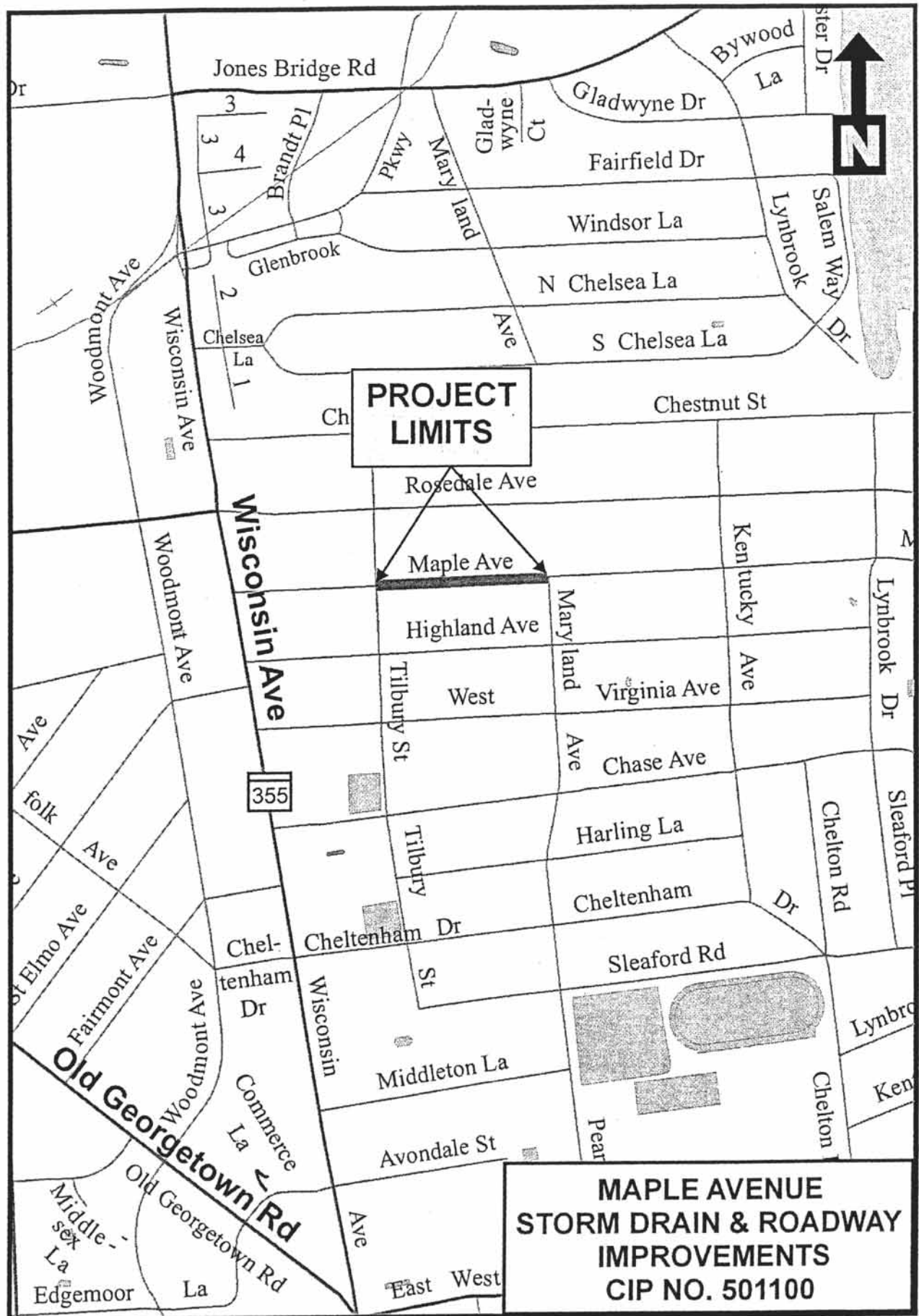
Date First Appropriation	FY11	(\$000)
First Cost Estimate	FY11	1,620
Current Scope		
Last FY's Cost Estimate		1,620
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,620
Expenditures / Encumbrances		64
Unencumbered Balance		1,556
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

Maryland-National Capital Park and Planning Commission
Department of Transportation
Department of Permitting Services
Washington Suburban Sanitary Commission
Washington Gas
Pepco
Verizon

MAP

See Map on Next Page



Outfall Repairs -- No. 509948

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Storm Drains
Transportation
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	2,657	933	248	1,476	234	234	234	234	270	270	0
Land	10	10	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	4,466	3,122	192	1,152	192	192	192	192	192	192	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	7,133	4,065	440	2,628	426	426	426	426	462	462	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	7,133	4,065	440	2,628	426	426	426	426	462	462	0
Total	7,133	4,065	440	2,628	426	426	426	426	462	462	0

DESCRIPTION

This project provides for the repair of existing storm drain outfalls into stream valleys. Design of corrective measures is included when in-kind replacement of original outfall structures is not feasible. Candidate outfall repairs are selected from citizen and public agency requests. The Department of Environmental Protection's (DEP) Miscellaneous Stream Valley Improvements project generates and assists in rating the outfalls, which are identified as that project expands into additional watersheds.

COST CHANGE

Increase due to the addition of FY17-18 and overhead costs to this on-going level of effort project.

JUSTIFICATION

Collapsed storm drain pipe sections, undermined endwalls, and eroded outfall channels create hazardous conditions throughout the County. The course of drainage could be altered endangering private property or public roads and speeding the erosion of stream channels. Erosion from damaged outfalls results in heavy sediment load being carried downstream that can severely impact aquatic ecosystems and exacerbate existing downstream channel erosion.

As part of its watershed restoration inventories, DEP identifies storm drain outfalls that are in need of repair in County stream valleys and respective watersheds. As this program expands to include additional watersheds, each outfall is categorized and, where damaged, rated. A functional rating and evaluation process is used to prioritize each outfall.

OTHER

The number of outfall locations being repaired per year varies based on the severity of the erosion and damage, the complexity of the design, and the complexity of the needed restorative construction work.

Completed outfalls in FY10-11: 4500 Tourney Road, Sweetbitch Drive, 7329 Oskaloosa Drive, 10605 Willobrook Drive, 103 Bluff Terrace, Pinehurst at Beech, 6207 Cromwell Drive, Woodman Avenue, Bucknell Drive, Boiling Brook Parkway, Davis Mill Road, 126 Central Avenue, 611 Lamberton Drive, 1012 Parrs Ridge Drive, 11513 Evelake Court, 4305 Harvard Street, 13717 Mills Avenue, 1517 Menlee Drive, 7200 Mill Run Drive, River Hill Road, McCeney at Harper, Hoyle at Burnt Mills, Helmsdale Road, and 9512 Columbia Boulevard.

Scheduled for repairs (FY12 - beyond): Prathertown Road, Circle Drive at Spring Drive, Emory Grove Road.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.
- * Expenditures will continue indefinitely.

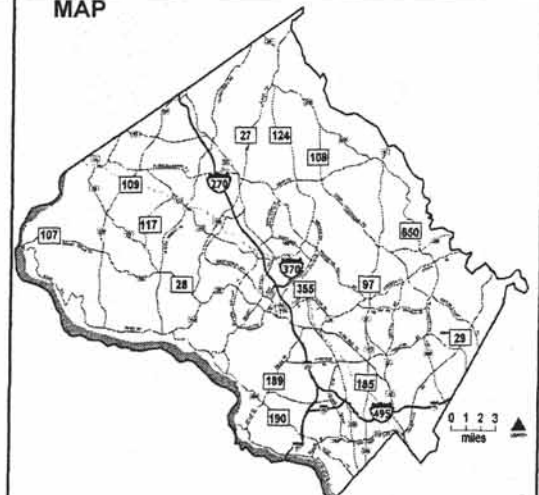
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY99	(\$000)
First Cost Estimate	FY13	7,133
Current Scope		
Last FY's Cost Estimate		6,209
Appropriation Request	FY13	426
Appropriation Request Est.	FY14	426
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,505
Expenditures / Encumbrances		4,076
Unencumbered Balance		429
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

Department of Environmental Protection
Maryland-National Capital Park and Planning
Commission
Maryland Department of the Environment
United States Army Corps of Engineers
Montgomery County Department of Permitting
Services
Utility Companies
Miscellaneous Stream Valley Improvements

MAP



Storm Drain General -- No. 500320

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Storm Drains
Transportation
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 2012
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	3,421	1,213	0	2,208	350	350	350	350	404	404	0
Land	62	62	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	9,383	6,622	61	2,700	450	450	450	450	450	450	0
Other	1	1	0	0	0	0	0	0	0	0	0
Total	12,867	7,898	61	4,908	800	800	800	800	854	854	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	12,477	7,514	55	4,908	800	800	800	800	854	854	0
Intergovernmental	228	222	6	0	0	0	0	0	0	0	0
State Aid	162	162	0	0	0	0	0	0	0	0	0
Total	12,867	7,898	61	4,908	800	800	800	800	854	854	0

DESCRIPTION

This project provides the flexibility to construct various sub-projects that might otherwise be delayed for lack of funds or difficulty in acquiring right-of-way. This project provides for right-of-way acquisition and construction for storm drain projects resulting from the Drainage Assistance Request program. Individual projects range from retrofitting existing storm drainage systems to developing new drainage systems required to upgrade the existing systems in older subdivisions. Projects formerly handled through the Neighborhood Storm Drain Improvements project are usually small, unanticipated projects initiated by requests from citizens whose homes and properties are subject to severe flooding or erosion and where there is a demonstrated need for early relief. Potential new storm drain projects are studied under the Facility Planning: Storm Drain project. Concept studies are evaluated based on the following factors: public safety, damage to private property and 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. After the completion of facility planning, projects with construction estimated to cost less than \$500,000 are included in this project. Prompt relief is frequently achieved by the use of Department of Transportation (DOT) personnel to construct and provide construction management. The project also facilitates financial participation with developers up to 50 percent share of construction cost for storm drainage projects where such construction would yield a public benefit to properties other than that of homeowner or developers. Right-of-way is acquired under the Advanced Land Acquisition Revolving Fund (ALARF).

CAPACITY

Projects will be designed to accommodate the ten year storm frequency interval.

COST CHANGE

Increase due to the addition of FY17-18 and overhead costs to this on-going level of effort project.

OTHER

For participation projects, cost sharing between the County and either homeowners or developers varies and is based upon a signed letter of understanding. Some funds from this project will go to support the Renew Montgomery program.

Completed Projects in FY 10 and 11: Muncaster Road, Midvale Road, Lupine Court, MacArthur Boulevard channel, Lockdale Road, Kingtree Street, Montgomery Avenue, Pomander Lane, Menlee Drive, Norton Road, Stillwater at Flanders, Laverock Court, Wehawken Road and Waukesha Road, Lone Oak Drive, Quincy and Oxford, Lawson Place, Aberdeen Road, Wildcat Road at Watkins, Democracy Boulevard east of Falls Road, Woodside Parkway, Burnt Mills Hills, Mississippi Avenue, Walhonding Road at MacArthur Boulevard, Sunset Drive, Manchester at Bradford, Valley Brook Drive, Brookmoor Drive at Williamsburg Road, Fireside Drive, Renwood Lane, Hermitage Avenue, and Zion Road.

Potential future projects: Meadowood Drive, Chicago Avenue.

OTHER DISCLOSURES

- A pedestrian impact analysis will be performed during design or is in progress.
- 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.
- * Expenditures will continue indefinitely.

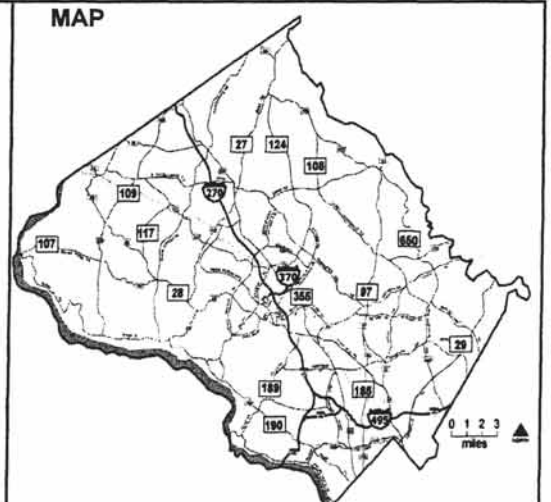
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY03	(\$000)
First Cost Estimate	FY13	12,867
Current Scope		
Last FY's Cost Estimate		11,159
Appropriation Request	FY13	1,600
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		7,959
Expenditures / Encumbrances		7,901
Unencumbered Balance		58
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

Montgomery County Department of Environmental Protection
Maryland-National Capital Park & Planning Commission
Maryland Department of the Environment
United States Army Corps of Engineers
Montgomery County Department of Permitting Services
Utility Companies
Annual Sidewalk Program

MAP



Town of Chevy Chase Storm Drain Improvements -- No. 500808

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Storm Drains
Transportation
Bethesda-Chevy Chase

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 2012
No
None.
Final Design Stage

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	1,059	949	23	87	87	0	0	0	0	0	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	2,203	1,517	1	685	685	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	3,262	2,466	24	772	772	0	0	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	3,262	2,466	24	772	772	0	0	0	0	0	0
Total	3,262	2,466	24	772	772	0	0	0	0	0	0

DESCRIPTION

This project provides for the evaluation of the drainage conditions within the Town of Chevy Chase and construction in the four most critical sectors. The Town is divided into fourteen drainage areas (sectors). Design for four sectors was completed in the Facility Planning: Storm Drain project. Ten sectors will be evaluated in two additional phases and if the existing facilities are found to be inadequate, design will be developed for the necessary drainage improvements. Phase 2 will implement the needed drainage improvements in the northwest part of the town. Phase 3 will address the remaining areas along the east side of the town.

ESTIMATED SCHEDULE

Design for phase 2 is complete. Construction for phase 2 is expected to commence by the summer of 2010 and take approximately 12 months to complete. Design and construction of phase 3 will be completed in FY13.

COST CHANGE

Increase due to the addition of overhead costs.

JUSTIFICATION

Private properties and portions of the roadways within the Town of Chevy Chase are inundated during every rainfall event. This project was initiated at the request of the Town of Chevy Chase to address these severe drainage deficiencies.

Construction for the four sectors in FY08 included improvements along East Avenue, Oakridge Avenue, Maple Avenue, Thornapple Street, Stanford Street, Chatham Road, Meadow Lane, Blackthorn Street, Woodbine Street, Leland Street, and Aspen Street. These improvements were completed in Phase I; Evaluation of the drainage conditions in the remainder of the town was completed in FY09. Design was developed for the remaining needed drainage improvements in the town; design and construction of Phase II was completed in FY11 and included Willow Lane, 46th Street, 44th Street, and Leland Street. Construction funding for Phase III of the project to address the remaining sectors in the east side of the town is included in the current budget submission.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.

APPROPRIATION AND EXPENDITURE DATA

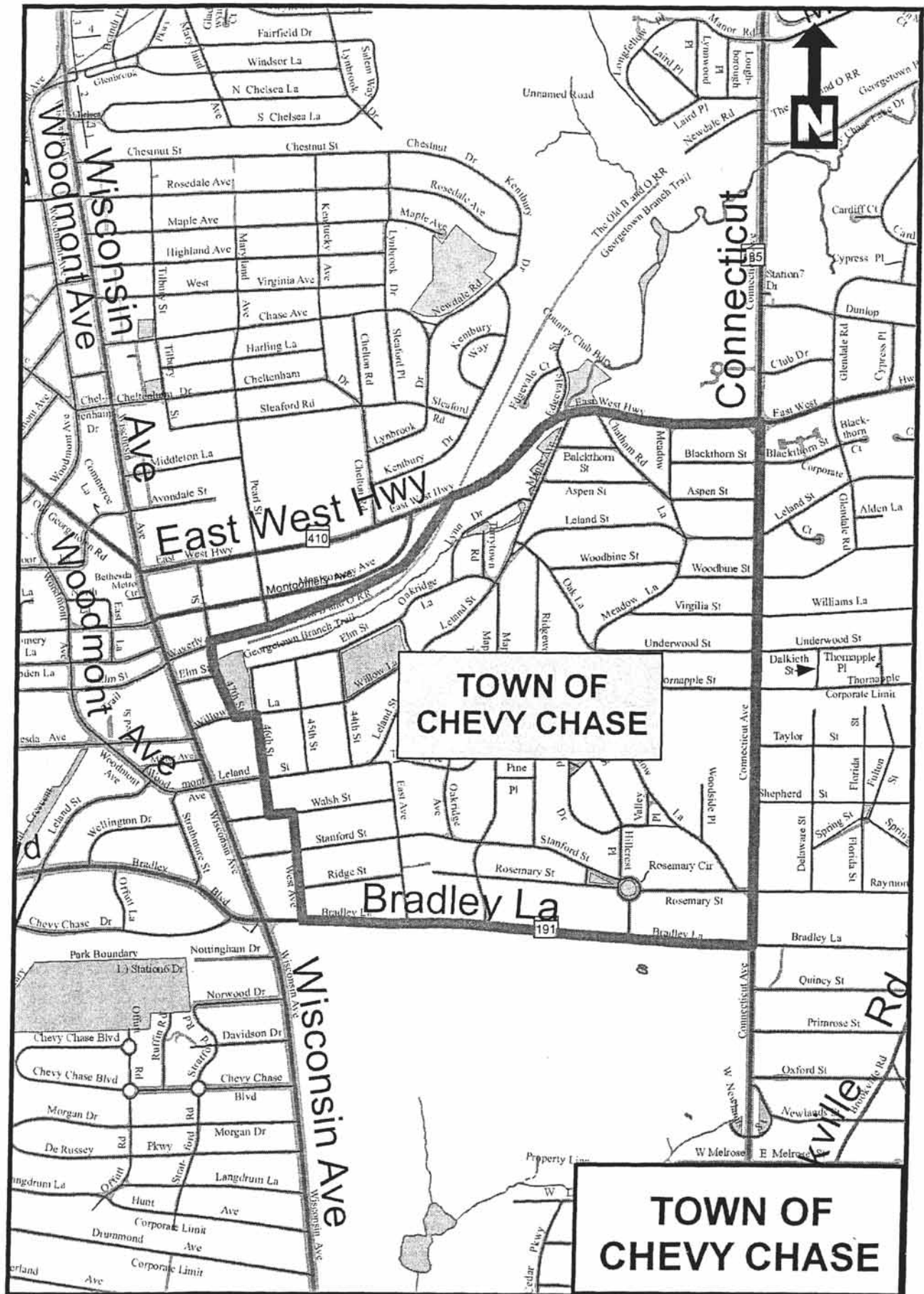
Date First Appropriation	FY08	(\$000)
First Cost Estimate	FY13	3,262
Current Scope		
Last FY's Cost Estimate		3,250
Appropriation Request	FY13	772
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,490
Expenditures / Encumbrances		2,467
Unencumbered Balance		23
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

Facility Planning: Storm Drains
Town of Chevy Chase
Department of Permitting Services
Washington Suburban Sanitary Commission
Washington Gas
Utility Companies

MAP

See Map on Next Page



Expenditure Detail by Category, Sub-Category, and Project (\$000s)

Conservation of Natural Resources

Project	Total	Thru FY11	Rem. FY12	6 Year Total	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6-yrs.	Approp.
<i>Ag Land Preservation</i>												
788911 Ag Land Pres Easements	23,578	1,617	14,977	6,984	1,020	1,061	1,120	1,199	1,257	1,327	0	639
Sub-Category Total	23,578	1,617	14,977	6,984	1,020	1,061	1,120	1,199	1,257	1,327	0	639
<i>Storm Drains</i>												
*500108 Battery Park Storm Drain	19	11	8	0	0	0	0	0	0	0	0	0
*500510 Connecticut Ave./Primrose Street Storm Drain	1,266	1,234	32	0	0	0	0	0	0	0	0	0
508180 Facility Planning: Storm Drains	5,784	3,858	346	1,580	250	250	250	250	290	290	0	250
*509637 Glen Echo Storm Drain	630	630	0	0	0	0	0	0	0	0	0	0
*501108 Henderson Avenue Storm Drain & Roadway Improvement	2,270	410	1,860	0	0	0	0	0	0	0	0	0
501100 Maple Avenue Storm Drain & Roadway Improvements	1,620	61	219	1,340	795	545	0	0	0	0	0	0
509948 Outfall Repairs	7,133	4,065	440	2,628	426	426	426	426	462	462	0	426
*500509 Sonoma / Ayrilawn Storm Drain Improvements	3,401	2,955	446	0	0	0	0	0	0	0	0	0
500320 Storm Drain General	12,867	7,898	61	4,908	800	800	800	800	854	854	0	1,600
500808 Town of Chevy Chase Storm Drain Improvements	3,262	2,466	24	772	772	0	0	0	0	0	0	772
Sub-Category Total	38,252	23,588	3,436	11,228	3,043	2,021	1,476	1,476	1,606	1,606	0	3,048
<i>Stormwater Management</i>												
809319 Facility Planning: SM	15,312	6,730	1,832	6,750	1,150	1,150	1,150	1,100	1,100	1,100	0	1,150
807359 Misc Stream Valley Improvements	21,123	792	4,461	15,870	3,070	3,070	3,070	2,220	2,220	2,220	0	2,570
800700 SM Facility Major Structural Repair	20,450	2,537	3,113	14,800	2,350	2,450	2,500	2,500	2,500	2,500	0	1,350
800900 SM Retrofit - Government Facilities	26,982	1,405	8,152	17,425	2,125	2,900	3,100	3,100	3,100	3,100	0	1,125
801300 SM Retrofit - Roads	64,425	0	0	64,425	8,515	9,910	11,500	11,500	11,500	11,500	0	6,515
801301 SM Retrofit - Schools	20,100	0	0	20,100	1,270	1,010	3,270	4,850	4,850	4,850	0	1,270
808726 SM Retrofit: Countywide	162,060	2,157	5,893	154,010	16,210	24,200	25,100	24,500	29,500	34,500	0	11,710
809342 Watershed Restoration - Interagency	6,038	3,425	993	1,620	310	310	310	230	230	230	0	310
Sub-Category Total	336,490	17,046	24,444	295,000	35,000	45,000	50,000	50,000	55,000	60,000	0	26,000
Category Total	398,320	42,251	42,857	313,212	39,063	48,082	52,596	52,675	57,863	62,933	0	29,687

* Pending Close Out or Close Out

Funding Summary by Category, Sub-Category and Revenue Source (\$000s)

Conservation of Natural Resources

Funding Source	Total	Thru FY11	Rem. FY12	6 Year Total	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Ag Land Preservation											
Agricultural Transfer Tax	8,442	1,203	4,539	2,700	388	407	427	457	489	532	0
Contributions	252	0	51	201	51	30	30	30	30	30	0
Federal Aid	522	0	522	0	0	0	0	0	0	0	0
G.O. Bonds	2,000	0	2,000	0	0	0	0	0	0	0	0
Investment Income	5,102	414	605	4,083	581	624	663	712	738	765	0
M-NCPPC Contributions	5,000	0	5,000	0	0	0	0	0	0	0	0
State Aid	2,260	0	2,260	0	0	0	0	0	0	0	0
Sub-Category Total	23,578	1,617	14,977	6,984	1,020	1,061	1,120	1,199	1,257	1,327	0
Storm Drains											
Current Revenue: General	5,683	3,757	346	1,580	250	250	250	250	290	290	0
G.O. Bonds	31,562	19,095	2,929	9,538	2,793	1,661	1,226	1,226	1,316	1,316	0
Intergovernmental	729	458	161	110	0	110	0	0	0	0	0
State Aid	278	278	0	0	0	0	0	0	0	0	0
Water Quality Protection Charge	0	0	0	0	0	0	0	0	0	0	0
Sub-Category Total	38,252	23,588	3,436	11,228	3,043	2,021	1,476	1,476	1,606	1,606	0
Stormwater Management											
Current Revenue: General	5,000	5,000	0	0	0	0	0	0	0	0	0
Fed Stimulus (State Allocation)	263	263	0	0	0	0	0	0	0	0	0
Federal Aid	299	0	299	0	0	0	0	0	0	0	0
G.O. Bonds	815	815	0	0	0	0	0	0	0	0	0
State Aid	66,337	2,034	4,303	60,000	10,000	10,000	10,000	10,000	10,000	10,000	0
Stormwater Management Waiver Fees	4,406	3,665	741	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	245,099	223	16,626	228,250	23,850	33,850	38,850	38,900	43,900	48,900	0
Water Quality Protection Charge	14,271	5,046	2,475	6,750	1,150	1,150	1,150	1,100	1,100	1,100	0
Sub-Category Total	336,490	17,046	24,444	295,000	35,000	45,000	50,000	50,000	55,000	60,000	0
Category Total	398,320	42,251	42,857	313,212	39,063	48,082	52,596	52,675	57,863	62,933	0

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