AGENDA ITEM #58.1 and 58.2
May 5, 2009

Consent Calendar

MEMORANDUM

May 1, 2009

TO: County Council

FROM: Keith Levchenko, Senior Legislative Analyst

SUBJECT: **Consent Calendar: FY09-14 CIP Amendments:**
- **CIP Amendment: Energy Conservation: MCG**
- **CIP Amendments: Conservation of Natural Resources**
  - **Facility Planning: Storm Drains**
  - **Facility Planning: SM (Stormwater Management)**

Transportation, Infrastructure, Energy & Environment (T&E) Committee Recommendation: Approve amendments as recommended by the County Executive.

On March 19, 2009 the County Executive transmitted a package of CIP amendments and adjustments. Several of these amendments are presented below.

Facility Planning: Storm Drains (Amendment PDF on ©1)

The Executive recommends reducing current revenue-funded expenditures by $25,000 in FY10 (from $250,000 to $225,000) in order to provide additional fiscal capacity in the Operating Budget. The decrease will reduce the level of effort in the project slightly. However, the program is driven by storm drainage assistance requests which fluctuate from year to year often based on weather conditions (the more rainfall, the more requests received). **The T&E Committee concurs with this change.**

Facility Planning: Stormwater Management (Amendment PDF on ©2)

The Executive recommends reducing current revenue-funded expenditures by $42,000 in FY10 (from $425,000 to $383,000) in order to provide additional fiscal capacity. The decrease will result in slightly less planning work for low impact development projects. However, given the tight fiscal situation with current revenue, **The T&E Committee concurs with this change.**

Energy Conservation: MCG (Amendment PDF on ©3)

On March 19, 2009 the County Executive transmitted a package of CIP amendments and adjustments. Included in this package was an amendment to switch $60,000 of current revenue funded expenditures in FY09 to bonds. OMB staff verified that the intended expenditures qualify for bond funding. **The T&E Committee concurs with this change.**

Attachments

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Facility Planning: Storm Drains -- No. 508180

Category	Conservation of Natural Resources	Date Last Modified	March 18, 2009
Subcategory	Storm Drains	Required Adequate Public Facility	No
Administering Agency	Transportation	Relocation Impact	None.
Planning Area	Countywide	Status	On-going

EXPENDITURE SCHEDULE ($000)

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	4,705	3,222	8	1,475	250	225	250	250	250	250	0
Land	119	119	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	32	32	0	0	0	0	0	0	0	0	0
Other	3	2	1	0	0	0	0	0	0	0	0
Total	4,859	3,375	9	1,475	250	225	250	250	250	250	*

FUNDING SCHEDULE ($000)

Current Revenue: General	4,758	3,274	9	1,475	250	225	250	250	250	250	0
G.O. Bonds	101	101	0	0	0	0	0	0	0	0	0
Total	4,859	3,375	9	1,475	250	225	250	250	250	250	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

Reduce funding and expenditures for fiscal capacity in FY10.

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.

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 benefit cost ratio. In the case of public safety or severe damage to private property, the 5:1 benefit (damage prevented) cost ratio can be waived. Drainage assistance requests are evaluated on a continuing basis in response to public requests. DOT maintains a database of complaints.

Constructiuon Projects Completed: Brookville Rd., Thomlinson Ave., Snider Ln., Beech Ave., Aramat Dr.

Under Construction: Linden Ln., Eldrid Dr., Johnson Ave.

Candidate Projects for FY09 and FY10: Town of Glen Echo, Village of Chevy Chase, Whittier Blvd., Marymount Rd., Springloch Rd., Arrowood Dr.

OTHER DISCLOSURES

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

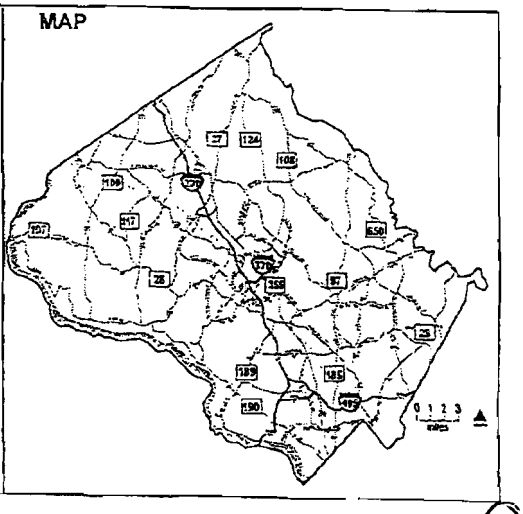
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	($000)
First Cost Estimate Current Scope	FY10	4,859
Last FY's Cost Estimate		4,884
Appropriation Request	FY10	225
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,634
Expenditures / Encumbrances		3,414
Unencumbered Balance		220
Partial Closeout Thru	FY07	0
New Partial Closeout	FY08	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

MAP



Facility Planning: SM -- No. 809319

Category	Conservation of Natural Resources	Date Last Modified	March 18, 2009
Subcategory	Stormwater Management	Required Adequate Public Facility	No
Administering Agency	Environmental Protection	Relocation Impact	None.
Planning Area	Countywide	Status	On-going

EXPENDITURE SCHEDULE ($000)

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	8,095	4,964	193	2,938	855	383	425	425	425	425	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	8,137	5,006	193	2,938	855	383	425	425	425	425	*

FUNDING SCHEDULE ($000)

Current Revenue: General	7,200	4,069	193	2,938	855	383	425	425	425	425	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
Total	8,137	5,006	193	2,938	855	383	425	425	425	425	0

DESCRIPTION

This project provides funds for facility planning and feasibility studies to evaluate watershed conservation needs and identify remedial project alternatives for stormwater management, stormwater retrofit, low impact design (LID), and stream restoration projects. In addition, facility planning serves as a transition stage for a project. Selected projects vary in type including: preparation of watershed conservation plans assessing stream erosion and habitat; inventories of alternative stream restoration and retrofit projects; complementary non-structural measures to help mitigate degraded stream conditions in rural and developed watersheds; identification of potential flood problems and flood damage reduction measures; and hydrologic, hydraulic, and water quality monitoring and analyses as required to quantify impacts of watershed development and projects to be implemented. Facility planning is a decision-making process that investigates critical project elements such as: usage forecasts; economic, social, environmental, and historic impact analyses; public participation; potential non-County funding sources; and detailed project cost estimates. Facility planning represents planning and preliminary design and develops a program of requirements in advance of full programming of a project.

COST CHANGE

Reduce funding and expenditures for fiscal capacity.

JUSTIFICATION

Facility planning supports requirements for watershed assessments required in the County's National Pollutant Discharge Elimination System (NPDES) stormwater permit for municipal stormwater discharges and implements the Countywide Stream Protection Strategy (CSPS, 2003). There is a continuing need for the development of accurate cost estimates and an exploration of alternatives for proposed projects. This project establishes the facilities planning data and alternatives analyses 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.

The CSPS identified the condition of County watersheds and prioritized subwatersheds for protection and/or restoration. Facility planning studies are targeted based on the CSPS.

OTHER

Ongoing projects are in the Muddy Branch, and Great Seneca Creek watersheds. Projects planned for FY09-10 include: Continuation of the Great Seneca Creek and Muddy Branch Feasibility studies; initiation of the Anacostia Watershed Restoration Plan, and an automated fixed monitoring station operation required by the National Pollutant Discharge Elimination System permit.

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.

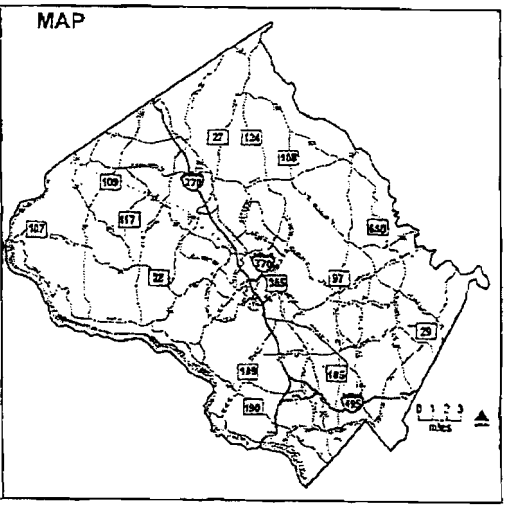
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY93	($000)
First Cost Estimate Current Scope	FY10	8,137
Last FY's Cost Estimate		8,179
Appropriation Request	FY10	383
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,054
Expenditures / Encumbrances		5,553
Unencumbered Balance		501
Partial Closeout Thru	FY07	0
New Partial Closeout	FY08	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 Permitting Services
Department of Transportation

MAP



County Council

Energy Conservation: MCG -- No. 507834

Category	General Government	Date Last Modified	March 18, 2009
Subcategory	County Offices and Other Improvements	Required Adequate Public Facility	No
Administering Agency	General Services	Relocation Impact	None.
Planning Area	Countywide	Status	On-going

EXPENDITURE SCHEDULE ($000)

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	270	0	0	270	45	45	45	45	45	45	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	1,217	0	77	1,140	240	180	180	180	180	180	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	**1,487**	**0**	**77**	**1,410**	**285**	**225**	**225**	**225**	**225**	**225**	*

FUNDING SCHEDULE ($000)

Current Revenue: General	4	0	4	0	0	0	0	0	0	0	0
G.O. Bonds	1,483	0	73	1,410	285	225	225	225	225	225	0
Total	**1,487**	**0**	**77**	**1,410**	**285**	**225**	**225**	**225**	**225**	**225**	**0**

OPERATING BUDGET IMPACT ($000)

Maintenance				-168	-8	-16	-24	-32	-40	-48
Energy				-777	-37	-74	-111	-148	-185	-222
Net Impact				**-945**	**-45**	**-90**	**-135**	**-180**	**-225**	**-270**

DESCRIPTION

This program provides for profitable energy conservation retrofits in County-owned buildings. Retrofits to lighting systems, building envelopes, heating and cooling controls, and boiler efficiency upgrades are provided through this project. A central Energy Management and Control System (EMS) has been installed to monitor major buildings. Energy audits have been conducted to identify and prioritize energy conservation projects throughout the 35 largest buildings. Advanced energy-saving technologies are introduced into County facilities as they become economical and reliable. Retrofits are performed during off hours and do not disrupt services at affected buildings. For new construction and renovation projects, energy design guidance is provided to contractors, and energy budgets are developed and enforced. Utility costs for County facilities are monitored in a computer database.

JUSTIFICATION

This program is part of the County's cost-containment program. The projects pay for themselves in a short time, generally one to five years. The County then continues to benefit for many years through lower utility costs. The program is environmentally responsible in reducing the need for utility power plants and decreasing greenhouse gas emissions. The project fulfills the County's voluntary commitment to reduce energy use in all its buildings under the EPA Energy Star Buildings Program. The project is necessary to fulfill the mandate of Montgomery County Code Section 8-14A, Building Energy Design Standards. Improvements in lighting and HVAC controls also improve employee comfort and productivity. Major retrofits of these energy technologies will be made at all County facilities not presently scheduled for renovation. Future maintenance costs are also reduced.

FISCAL NOTE

Replace current revenue with GO bonds in FY09.

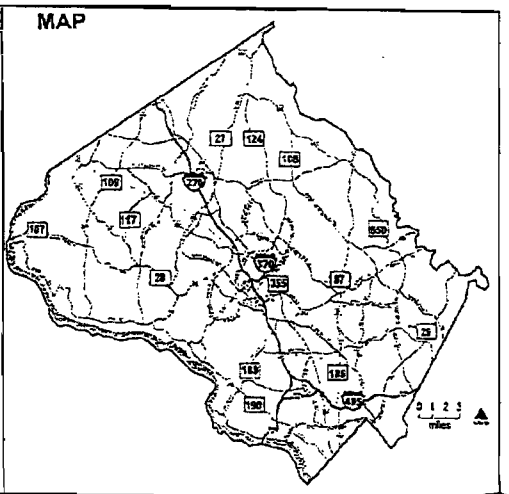
OTHER DISCLOSURES

- * Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY78	($000)
First Cost Estimate Current Scope	FY10	1,487
Last FY's Cost Estimate		1,746
Appropriation Request	FY10	225
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		362
Expenditures / Encumbrances		80
Unencumbered Balance		282
Partial Closeout Thru	FY07	9,716
New Partial Closeout	FY08	259
Total Partial Closeout		9,975

COORDINATION

Energy Conservation Work Program - Energy Star Upgrades
Department of General Services

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