

#3 - Montgomery College CIP amendments and Capital Budget: this resolution requires 6 affirmative votes.

Resolution No.:	<u>17-142</u>
Introduced:	<u>May 26, 2011</u>
Adopted:	<u>May 26, 2011</u>

**COUNTY COUNCIL  
FOR MONTGOMERY COUNTY, MARYLAND**

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By: County Council

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**SUBJECT:** Approval of Amendments to the Approved FY11-16 Capital Improvements Program, and Approval of and Appropriation for the FY12 Capital Budget of Montgomery College

**Background**

1. As required by the Education Article, Section 16-301 of the Maryland Code, the Board of Trustees sent to the County Executive and County Council an FY12 Capital Budget for Montgomery College. The Board also requested amendments to the Approved FY11-16 Capital Improvements Program (CIP).
2. Section 302 of the County Charter requires the Executive to send to the Council by January 15 in each even-numbered calendar year a 6-year CIP, which the Executive did on January 15, 2010 for the 6-year period FY11-16. Section 302 requires the affirmative vote of at least 5 Councilmembers to approve or modify the Executive's Recommended CIP. On May 27, 2010, the Council approved the College's CIP for FY11-16 in Resolution 16-1366. After the Council approves a CIP, Section 302 permits the Council to amend it at any time with the affirmative vote of at least 6 Councilmembers.
3. Section 303 of the Charter requires the Executive to send to the Council by January 15 in each year a recommended Capital Budget, which the Executive did on January 14, 2011 for FY12. The Executive also sent to the Council his recommendations on amendments to the Approved FY11-16 CIP.
4. On March 15, 2011 the Executive sent to the Council several additional recommended amendments to the Approved FY11-16 CIP, and Council staff recommended several other potential amendments.
5. As required by Section 304 of the Charter, the Council held public hearings on February 8 and on April 5, 6, and 7, 2011 on the Capital Budget for FY12 and on amendments to the Approved FY11-16 CIP.

**Action**

The County Council for Montgomery County, Maryland approves the following resolution for Montgomery College:

1. For FY12, the Council approves the Capital Budget and appropriates the amounts by project which are shown in part I. The expenditure of funds for each item in the Capital Budget must comply with all restrictions and requirements in the project description form for that item, as the form is contained in the Approved CIP as amended by this resolution, and as the CIP is amended by the Council under Charter Section 302 after this resolution is adopted.
  
2. The Council reappropriates the appropriations made in prior years for all capital projects:
  - a) except as specifically reflected elsewhere in this resolution;
  - b) in the amounts and for the purposes specified in the approved CIP for FY11-16; and
  - c) to the extent that those appropriations are not expended or encumbered.
  
3. The Council approves those projects shown in Part II as amendments to the Approved FY11-16 CIP.
  
4. The County Council approves the close out of the project in part III.

This is a correct copy of Council action.

  
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Linda M. Lauer, Clerk of the Council

**PART I: FY 2012 CAPITAL BUDGET FOR MONTGOMERY COLLEGE**

The appropriations for FY 2012 in this Part are made to implement the projects in the Capital Improvements Program for FY 2011-2016. When the total appropriation for a project includes State funds, the total appropriation for the project is contingent on the availability of funds from the State.

<b>Project #</b>	<b>Project Name</b>	<b>FY12 Appropriation</b>	<b>Cumulative Appropriation</b>	<b>Total Appropriation</b>
936660	ADA Compliance: College	50,000	1,053,000	1,103,000
096600	Capital Renewal: College	-4,720,000	10,814,000	6,094,000
816611	Energy Conservation: College	125,000	4,293,000	4,418,000
886686	Facility Planning: College	300,000	3,857,000	4,157,000
856509	Information Technology: College	10,395,000	80,482,000	90,877,000
096601	Instructional Furniture and Equipment: College	300,000	720,000	1,020,000
076619	Network Infrastructure and Support Systems	3,000,000	5,367,000	8,367,000
076618	Network Operating Center	3,000,000	8,254,000	11,254,000
926659	Planned Lifecycle Asset Replacement: College	4,000,000	26,948,000	30,948,000
906605	Planning, Design & Construction	1,413,000	16,857,000	18,270,000
876664	Roof Replacement: College	632,000	6,816,000	7,448,000
076623	Science East Building Renovation	24,390,000	2,938,000	27,328,000
076601	Site Improvements: College	4,029,000	7,300,000	11,329,000
076617	Student Learning Support Systems	1,600,000	3,020,000	4,620,000
	<b>Total - Montgomery College</b>	<b>48,514,000</b>	<b>178,719,000</b>	<b>227,233,000</b>

**PART II: REVISED PROJECTS**

**The projects described in this section were revised from, or were not included among, the projects approved by the County Council as they appeared in the Approved FY 2011 - 2016 Capital Improvements Program (CIP) as of May 27, 2010. These projects are approved.**

## Bioscience Education Center -- No. 056603

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Germantown

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

May 23, 2011  
No  
None.  
Final Design Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	10,174	9,546	252	376	163	163	50	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	63,698	0	1,154	62,544	28,022	28,022	6,500	0	0	0	0
Other	14,029	0	0	14,029	0	0	14,029	0	0	0	0
<b>Total</b>	<b>87,901</b>	<b>9,546</b>	<b>1,406</b>	<b>76,949</b>	<b>28,185</b>	<b>28,185</b>	<b>20,579</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	48,568	7,155	703	40,710	14,093	14,092	12,525	0	0	0	0
PAYGO	691	691	0	0	0	0	0	0	0	0	0
State Aid	38,642	1,700	703	36,239	14,092	14,093	8,054	0	0	0	0
<b>Total</b>	<b>87,901</b>	<b>9,546</b>	<b>1,406</b>	<b>76,949</b>	<b>28,185</b>	<b>28,185</b>	<b>20,579</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Maintenance				3,854	0	0	551	1,101	1,101	1,101
Energy				2,189	0	254	254	533	560	588
<b>Net Impact</b>				<b>6,043</b>	<b>0</b>	<b>254</b>	<b>805</b>	<b>1,634</b>	<b>1,661</b>	<b>1,689</b>
WorkYears					0.0	10.0	20.0	20.0	20.0	20.0

#### DESCRIPTION

This project provides for the design and construction of a new biotechnology and science building (approx. 126,900 gsf) on the Germantown Campus, and for a new Germantown campus access road. This building will support Campus space needs and provide for up-to-date biotechnology and science laboratories in a modern facility that complies with current requirements. This new building is part of an overall plan to provide a Campus instructional focus in support of the biotechnology industry. This project also funds the design and construction of a new access road on the Germantown Campus which will provide an additional means of egress as student enrollment continues to grow. The primary gateway and only existing entrance to the campus is located on MD 118. There is a need for an additional entrance to provide improved access to the campus and to better address emergency situations that may necessitate a campus evacuation. The Germantown Access Road potentially will change from a two lane road to a four lane road to accommodate the additional traffic generated by the Germantown business park. The Council has approved an alignment for the access road consistent with the alignment referred to as "West Alternative 2."

In addition, the College is working with the County to develop an adjacent technology business park on the Germantown Campus as part of the up-County technology corridor. This new building and the biotechnology program is part of an overall strategy to supply a biotechnology workforce for Montgomery County and the State of Maryland. In addition to housing the biology, chemistry and biotechnology programs, this new building will have a meeting center providing the College and outside groups with opportunities to gather in support of scientific education. The Bioscience Education Center will be located on the Montgomery College Germantown campus at 20200 Observation Drive.

#### JUSTIFICATION

Under the application of the State space guidelines, the enrollment growth on the Germantown Campus has resulted in a significant instructional space deficit. The Germantown Campus has a 2019 projected instructional space deficit of 69,332 NASF and a total space deficit anticipated to be 130,830 NASF. In addition, the Campus' chemistry and biology classrooms and labs are currently located in outdated facilities. The new building will provide a modern facility for up to date biotechnology instruction along with providing much needed additional space.

The Germantown Campus accommodates 6,571 students and 456 full time, and part time faculty and staff (Fall 2009). With continued student enrollment growth, there is a need to provide the campus with an additional access point to accommodate traffic. In accordance with the College's Facilities Master Plan, there are several potential locations for providing additional access to the Campus. An additional entrance road will also serve to provide better campus egress during emergency situations that may require a campus evacuation.

The Collegewide Facilities Master Plan Update (9/10), the Germantown Bioscience Education Center Facility Program (5/04), and the Collegewide Facilities Condition Assessment Update (11/07), Bioscience Education Center Program Verification Report, (9/07).

#### OTHER

Funding Sources: G.O. Bonds and State Aid.

FY12 Appropriation: \$0 as project is fully appropriated through construction stage.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation	Facility Planning: College (CIP #886686)	
First Cost Estimate	Energy Conservation: College (CIP #816611)	
Current Scope		
Last FY's Cost Estimate		
Appropriation Request		
Supplemental Appropriation Request		
Transfer		
Cumulative Appropriation		
Expenditures / Encumbrances		
Unencumbered Balance		
Partial Closeout Thru		
New Partial Closeout		
Total Partial Closeout		

## Bioscience Education Center -- No. 056603 (continued)

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FY13 Appropriation: \$14,029,000; \$9,251,000 (G.O. Bonds), and \$4,778,000 (State Aid).

The FY13 Other cost element is comprised of furniture, fixtures, and equipment needed to outfit the facility (\$9,558,000) and Information Technology equipment (\$4,471,000).

State share of project based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

### FISCAL NOTE

The \$73.872 million cumulative appropriation will permit the College to sign a construction contract, and the State will fund approximately 50 percent (\$32.163 million) of this cost. State funds will be evenly distributed over two fiscal years, with \$16,081,500 approved in FY10 and \$16,081,500 pre-authorized in FY11.

### OTHER DISCLOSURES

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

## Capital Renewal: College -- No. 096600

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

January 06, 2011  
No  
None.  
N/A

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	3,109	0	1,550	1,559	359	0	300	300	300	300	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	10,985	0	2,150	8,835	2,035	0	1,700	1,700	1,700	1,700	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>14,094</b>	<b>0</b>	<b>3,700</b>	<b>10,394</b>	<b>2,394</b>	<b>0</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	14,094	0	3,700	10,394	2,394	0	2,000	2,000	2,000	2,000	0
<b>Total</b>	<b>14,094</b>	<b>0</b>	<b>3,700</b>	<b>10,394</b>	<b>2,394</b>	<b>0</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>

#### DESCRIPTION

This project provides funding for the capital renewal and major renovation of aging College facilities for new and changing College academic programs and student support operations. The major focus of this project is to support programmatic changes to College facilities and operations by allowing the College to continue an on-going building modernization effort where State aid is lacking. With this project, the College will selectively focus State aid requests on high cost projects utilizing these County funds to support an on-going renovation effort on each campus. In conjunction with programmatic improvements and modifications, this project will replace aging building systems, such as heating, air conditioning, electrical, plumbing, etc., and update facilities to current building codes and regulations that exceed the current PLAR work effort.

#### COST CHANGE

Reduce General Obligation Bond funding by -\$4,720,000 to align with recent historical spending activity and for fiscal capacity. Shift FY12 expenditures and funding of \$2,749,000 to the Site Improvements: College (No. 076601) project to continue much needed site improvement work at the three campuses.

#### JUSTIFICATION

Starting FY2009, the County approved funding several renovation projects from the Capital Renewal project. These renovation projects were less likely to receive funding from the State, and as a result five projects at that time were merged into the Capital Renewal project.

In November 2007, the College updated a comprehensive building system/equipment assessment, including site utilities and improvements, that identified deficiencies, prioritized replacements and upgrades, and provides the framework for implementing a systematic capital renewal program to complement on-going preventive maintenance efforts. The College continues to have a significant backlog of major building systems and equipment renovations and/or replacements due to the age of the Campuses and deferral of major equipment replacement. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The renovation and/or replacement of major building systems, building components and equipment, and site improvements will significantly extend the useful life of the College's buildings and correct safety and environmental problems. The Collegewide Facilities Condition Assessment identified a \$67 million deferred maintenance backlog for the three campuses. If additional financial resources are not directed at this problem, College facilities will continue to deteriorate leading to higher cost renovations or building replacements.

Collegewide Facilities Condition Assessment Update (11/07), Collegewide Facilities Master Plan Update (9/10), and Utilities Master Plan (5/06).

#### OTHER

FY11 Appropriation: \$2,394,000 (G.O. Bonds).

FY12 Appropriation: Reduction of -\$4,720,000 (G.O. Bonds) to align with recent historical spending activity and for fiscal capacity.

Shift FY12 expenditures and funding of \$2,749,000 to the Site Improvements: College project

#### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

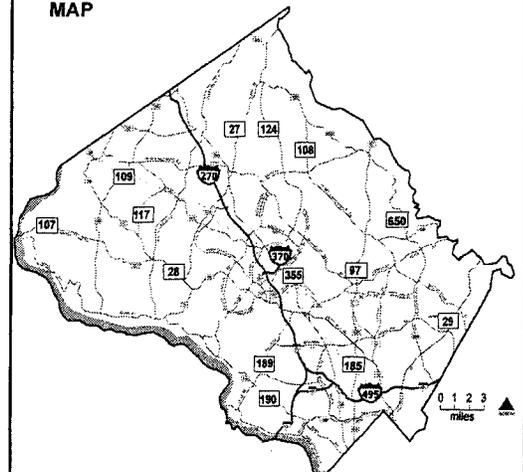
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY09	(\$000)
First Cost Estimate	FY12	14,094
Current Scope		
Last FY's Cost Estimate		21,563
Appropriation Request	FY12	-4,720
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		10,814
Expenditures / Encumbrances		0
Unencumbered Balance		10,814
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

#### COORDINATION

Facility Planning: College (CIP #886686)  
PLAR: College (CIP #926659)  
Energy Conservation: College (CIP #816611)  
Roof Replacement: College (CIP #876664)  
Site Improvements: College (CIP #076601)

#### MAP



## Commons Renovation -- No. 056601

Category **Montgomery College**  
 Subcategory **Higher Education**  
 Administering Agency **Montgomery College**  
 Planning Area **Takoma Park**

Date Last Modified  
 Required Adequate Public Facility  
 Relocation Impact  
 Status

December 21, 2010  
 No  
 None.  
 On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,176	1,176	0	0	0	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	7,445	7,432	13	0	0	0	0	0	0	0	0
Other	391	391	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>9,012</b>	<b>8,999</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

	Total	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
G.O. Bonds	7,562	7,562	0	0	0	0	0	0	0
Major Facilities Capital Projects Fund (MC only)	150	137	13	0	0	0	0	0	0
State Aid	1,300	1,300	0	0	0	0	0	0	0
<b>Total</b>	<b>9,012</b>	<b>8,999</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

This project provides for the realignment/renovation of space in the Commons building (30,354 GSF) on the Takoma Park/Silver Spring Campus in accordance with the College's Facilities Master Plan (1/04). The renovated building will house general purpose classrooms and faculty offices. The building renovation includes HVAC modifications/replacement, ADA modifications, sprinkler system modifications/replacement, lighting system modifications/replacement, building thermal envelope modifications, telecommunication improvements and space reconfigurations. The Commons Renovation was completed January 2010, and the building opened for use for the spring semester. Currently, the College is completing various construction close-out tasks. The Commons Building is located on the Montgomery College - Takoma Park/Silver Spring Campus at 7600 Takoma Avenue, Takoma Park, MD 20912.

#### JUSTIFICATION

The Commons building was constructed in 1977 and no longer adequately supports the educational programs and support functions housed in it. Most of the current building occupants (cafeteria, bookstore, student activities, and Campus security) relocated to the new Student Services Center when it was completed in 2006. The existing mechanical system in the Commons is inadequate and existing lighting requires replacement for better illumination levels and greater energy efficiency. The funds requested will provide for the reassignment, realignment, and renovation of space, including furniture and equipment, energy construction and handicapped modification measures.

Takoma Park Campus Facilities Master Plan (2/98 and 1/04), Takoma Park Campus Facilities Renovation Plan (9/98), Collegewide Facilities Condition Assessment Update (11/07), Collegewide Facilities Master Plan Update (9/10), Commons Renovation Facility Program (5/04).

#### OTHER

Fund Sources: G.O. Bonds and State Aid.

State share of project based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

The following fund transfers have been made to this project: \$150,000 from the TPSS West Campus Garage - Phase 2 project (#096606)(BOT Resolution #10-03-024 - (03/15/10); \$67,000 from the Planned Lifecycle Asset Replacement project (#926659) (BOT Resolution #10-08-057 - 7/31/10).

#### OTHER DISCLOSURES

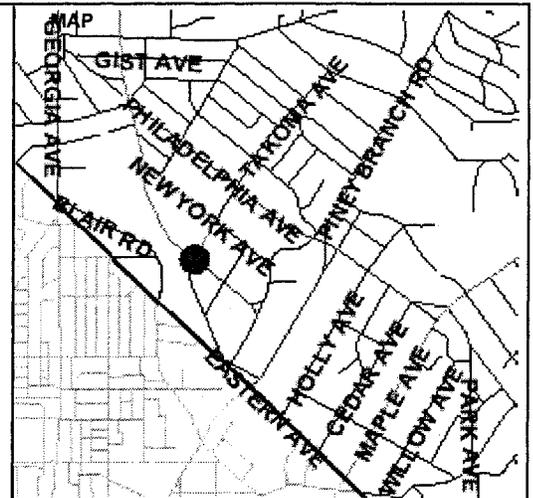
- Montgomery College asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY05	(\$000)
First Cost Estimate	FY12	9,012
Current Scope		8,795
Last FY's Cost Estimate		8,795
Appropriation Request	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		9,012
Expenditures / Encumbrances		8,999
Unencumbered Balance		13
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

#### COORDINATION

Facility Planning: College (CIP#886686)  
 Takoma Park Campus Expansion (CIP #996662)  
 Energy Conservation: College (CIP #816611)  
 PLAR: College (CIP #926659)



## Elevator Modernization: College -- No. 056608

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

January 06, 2011  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	753	399	104	250	50	0	50	50	50	50	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	5,541	2,098	793	2,650	530	0	530	530	530	530	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>6,294</b>	<b>2,497</b>	<b>897</b>	<b>2,900</b>	<b>580</b>	<b>0</b>	<b>580</b>	<b>580</b>	<b>580</b>	<b>580</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	6,294	2,497	897	2,900	580	0	580	580	580	580	0
<b>Total</b>	<b>6,294</b>	<b>2,497</b>	<b>897</b>	<b>2,900</b>	<b>580</b>	<b>0</b>	<b>580</b>	<b>580</b>	<b>580</b>	<b>580</b>	<b>0</b>

#### DESCRIPTION

This project provides funding for the modernization and/or replacement of existing elevators on all three campuses. The FY2011 budget year involves the modernization of 10 elevators on the Germantown, Rockville, and Takoma Park/Silver Spring campuses.

#### JUSTIFICATION

Many elevator systems at the College are inefficient, outdated and beyond continued economic repair. While the College's maintenance program has kept elevators operational, spare parts are not readily available from maintenance providers for many of the older pieces of elevator equipment. This results in extended down time, high maintenance costs, higher energy consumption, and the lack of current car safety devices. This project will modernize elevators to improve overall performance, safety, reliability and energy conservation, and to achieve code compliance. Furthermore, some buildings lack elevators or have elevators of inadequate size requiring the installation of new elevators to increase accessibility and capacity.

Collegewide Facilities Condition Assessment Update (11/07), Collegewide Elevator Study (4/05) and Collegewide Facilities Master Plan Update (9/10), Takoma Park/Silver Spring Elevator Update (9/09).

#### OTHER

FY2011 Appropriation: \$580,000 (G.O. Bonds).

FY2012 Appropriation: \$0 (G.O. Bonds).

#### FISCAL NOTE

Shift FY12 expenditures and funding to the Site Improvements: College (No. 076601) project to reflect current implementation plan of continued site improvement work at the three campuses.

#### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY03	(\$000)
First Cost Estimate	FY12	6,294
Current Scope		6,294
Last FY's Cost Estimate		6,874
Appropriation Request	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,974
Expenditures / Encumbrances		2,497
Unencumbered Balance		1,477
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

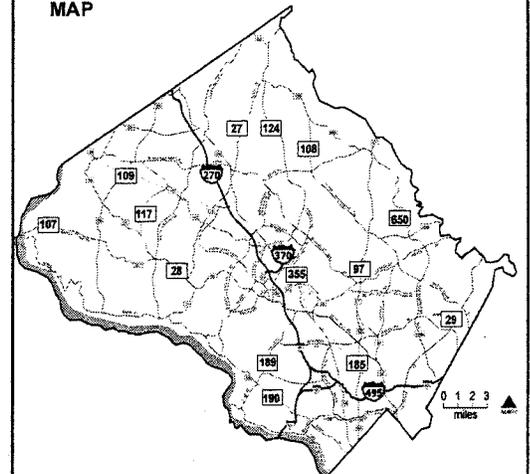
#### COORDINATION

This project is coordinated with the scheduled building renovations on the Rockville, Takoma Park/Silver Spring and Germantown Campuses.

FY2011 - High Technology and Science Center (GT), Science and Applied Studies Building (GT), Computer Science Building (RV), Counseling and Advising Building (RV), Gudelsky Institute for Technical Education (RV), South Campus Instruction Building (RV), Technical Center (RV), Theatre Arts Building (RV), Science North Building (TPSS), Library Resource Center (TPSS).

Site Improvements: College (CIP #076601)

#### MAP



## Germantown Student Services Center -- No. 076612

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Germantown

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

February 15, 2011  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	7,844	0	0	7,844	0	0	0	3,922	3,922	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	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>7,844</b>	<b>0</b>	<b>0</b>	<b>7,844</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,922</b>	<b>3,922</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	3,922	0	0	3,922	0	0	0	1,961	1,961	0	0
State Aid	3,922	0	0	3,922	0	0	0	1,961	1,961	0	0
<b>Total</b>	<b>7,844</b>	<b>0</b>	<b>0</b>	<b>7,844</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,922</b>	<b>3,922</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

This project funds the design of a new student resource center (approximately 150,000 gross square feet) to support both study and student services as outlined in the Germantown Campus Facilities Master Plan, 2006-2016 (9/10). This project provides a comprehensive "one-stop" shop and brings together the Cafeteria, Bookstore, and Mailroom from the Humanities and Social Sciences Building; Admissions, Student Life and Security from the Science and Applied Studies Building, creating much more space for study and student development. This building will also house the Provost's Office, as well as media and academic computing support functions. This building will be located at 20200 Observation Drive, Germantown, MD 20874.

#### ESTIMATED SCHEDULE

The updated implementation schedule features a two year design sequence starting in FY14.

#### COST CHANGE

The cost of this project has increased due to FY12 Bond Bill cost escalations. The state has recognized the increasing costs of the current construction market and is using the following escalation factors: 3% in FY2012, and 3% thereafter. These cost escalations have been incorporated into the project.

#### JUSTIFICATION

Supported in this facility are the media resources and academic computing functions, including the computer training lab. The advantage for students is the concentration of support resources in a single location. For the campus, space is made available in other buildings that will allow more growth in office and instructional space before another academic building is needed on campus.

Collegewide Facilities Master Plan Update (9/10).

#### OTHER

Funding Sources: G.O. Bonds and State Aid.

State share of project based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

Note: The FY12 estimated cost for construction and other (furniture, fixtures, and equipment) is \$63,184,000, and \$12,782,000 respectively pending final design.

#### OTHER DISCLOSURES

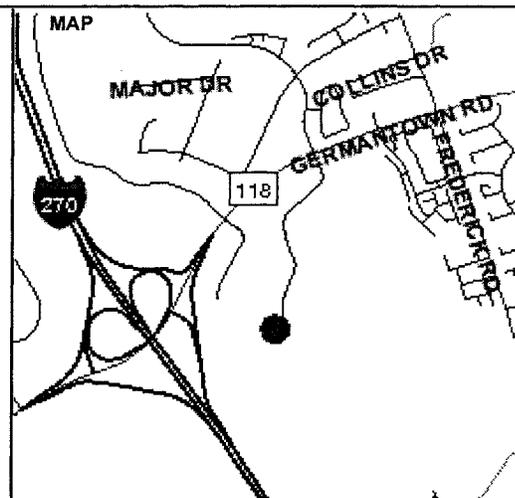
- Montgomery College asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY	(\$000)
First Cost Estimate	FY12	7,844
Current Scope		
Last FY's Cost Estimate		7,844
Appropriation Request	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

#### COORDINATION

Humanities and Social Sciences Building  
Renovation (CIP# 076615)  
Sciences and Applied Studies Building  
Alterations (CIP# 056605)



## Information Technology: College -- No. 856509

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

May 23, 2011  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	9,441	1,374	8,067	0	0	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	21,775	18,437	338	3,000	500	500	500	500	500	500	0
Other	94,738	42,607	6,745	45,386	2,414	9,895	9,077	8,000	8,000	8,000	0
<b>Total</b>	<b>125,954</b>	<b>62,418</b>	<b>15,150</b>	<b>48,386</b>	<b>2,914</b>	<b>10,395</b>	<b>9,577</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	55,375	23,824	0	31,551	0	5,343	4,940	7,458	7,483	6,327	0
Current Revenue: Recordation Tax	63,935	31,950	15,150	16,835	2,914	5,052	4,637	1,042	1,017	2,173	0
G.O. Bonds	4,603	4,603	0	0	0	0	0	0	0	0	0
PAYGO	2,041	2,041	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>125,954</b>	<b>62,418</b>	<b>15,150</b>	<b>48,386</b>	<b>2,914</b>	<b>10,395</b>	<b>9,577</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>0</b>
WorkYears					4.0	4.0	4.0	4.0	4.0	4.0	4.0

#### DESCRIPTION

This project provides for the design and installation of College Information Technology (IT) systems using data, video, cybersecurity, software services, and voice applications; and the replacement/upgrade of IT equipment that no longer meets application requirements, installation and furnishing of technology classrooms, labs, and offices. The systems support the College's instructional programs, student services, and administrative computing requirements and are implemented in accordance with the College's Information Technology Strategic Plan (ITSP). Analysts determine the hardware and software to be purchased based on project need and are in charge of equipment purchases; review and recommendation of purchasing, monitoring of system results, and assistance during implementation and on-going reviews and analysis. Four (4) staff positions are funded within this project.

#### COST CHANGE

Reduced FY12 project expenditures by \$400,000 for fiscal capacity.

#### JUSTIFICATION

To meet current and projected technical standards for data, video, and voice communications the College anticipates installing complete IT, telecommunications and learning center systems at each campus, the central administration building and all instructional sites. The new systems allow replacement of aging systems for data and video applications; provide for updated networking capabilities; provide necessary security and monitoring capabilities; establish learning centers for classrooms and labs, and for distributed instruction; and allow expanded opportunities for linking with external information technology services. In addition, the ITSP helps meet student requirements for IT tools and instruction in preparation for career opportunities and transfer programs to four-year institutions. Use of state-of-the-market hardware and technology capabilities are required to attract and serve students, as well as serving the business community by upgrading work force technology skills and providing a base for continued economic development in the county.

Information Technology Strategic Plan (ITSP) - The ITSP is a comprehensive plan covering IT activities funded from all budget sources for an integrated and complete plan for the College. Updated annually, the ITSP is the supporting document for both current and future funding requests. The three ITSP goals are the use of IT to (1) facilitate students' success; (2) effectively and efficiently operate the College; and (3) support the College's growth, development, and community initiatives. The ITSP is an overall strategic plan that provides a cost effective and efficient vision for instructional, academic and administrative systems; and serves as a basis for preparing unit plans and budget requests for project implementation.

#### OTHER

The following fund transfers have occurred with this project: \$1,300,000 to the Takoma Park Campus Expansion project (#996662) (BOT Resol. #07-01-005, 1/16/2007); \$111,000 transferred from the Planning, Design and Construction project (#906605) and \$25,000 from the Facilities Planning: College project (#86886) to this project (BOT Resol. #91-56, 5/20/1991); the project appropriation was reduced by \$559,000 in FY92. The College has transferred \$300,000 in FY11 to the Student Learning Support Systems project - No. 076617 (Current Revenue: Recordation Tax).

FY2011 Appropriation: \$2,914,000 (Current Revenue: Recordation Tax).

FY2012 Appropriation: Total \$10,395,000; \$5,052,000 in (Current Revenue: Recordation Tax) and \$5,343,000 of (Current Revenue: General).

#### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1"> <tr> <td>Date First Appropriation</td> <td>FY85</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY11</td> <td>125,954</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>126,354</td> </tr> </table>	Date First Appropriation	FY85	(\$000)	First Cost Estimate	FY11	125,954	Current Scope			Last FY's Cost Estimate		126,354	<p>Information Technology (IT) Strategic Plan New Building Construction projects Campus Building Renovation projects</p>	
Date First Appropriation	FY85	(\$000)												
First Cost Estimate	FY11	125,954												
Current Scope														
Last FY's Cost Estimate		126,354												
<table border="1"> <tr> <td>Appropriation Request</td> <td>FY12</td> <td>10,395</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> </table>	Appropriation Request	FY12	10,395	Supplemental Appropriation Request		0	Transfer		0					
Appropriation Request	FY12	10,395												
Supplemental Appropriation Request		0												
Transfer		0												
<table border="1"> <tr> <td>Cumulative Appropriation</td> <td></td> <td>80,482</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>73,524</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>6,958</td> </tr> </table>	Cumulative Appropriation		80,482	Expenditures / Encumbrances		73,524	Unencumbered Balance		6,958					
Cumulative Appropriation		80,482												
Expenditures / Encumbrances		73,524												
Unencumbered Balance		6,958												
<table border="1"> <tr> <td>Partial Closeout Thru</td> <td>FY09</td> <td>0</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY10</td> <td>0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>0</td> </tr> </table>	Partial Closeout Thru	FY09	0	New Partial Closeout	FY10	0	Total Partial Closeout		0					
Partial Closeout Thru	FY09	0												
New Partial Closeout	FY10	0												
Total Partial Closeout		0												

## Network Infrastructure and Support Systems -- No. 076619

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

May 19, 2011  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,351	1,008	343	1,000	1,000	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	733	703	30	0	0	0	0	0	0	0	0
Other	13,283	1,900	383	11,000	0	3,000	2,000	2,000	2,000	2,000	0
<b>Total</b>	<b>16,367</b>	<b>3,611</b>	<b>756</b>	<b>12,000</b>	<b>1,000</b>	<b>3,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

	Total	FY10	FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Current Revenue: General	14,547	3,611	756	10,180	0	2,180	2,000	2,000	2,000	2,000	0
Current Revenue: Recordation Tax	1,820	0	0	1,820	1,000	820	0	0	0	0	0
<b>Total</b>	<b>16,367</b>	<b>3,611</b>	<b>756</b>	<b>12,000</b>	<b>1,000</b>	<b>3,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>
WorkYears					4.0	4.0	4.0	4.0	4.0	4.0	4.0

#### DESCRIPTION

The purpose of this project is to provide planned lifecycle asset replacement and upgrades, and to establish network infrastructure and support systems in existing and new locations based on academic and instructional needs and requirements. The network infrastructure and support systems represent systems outside the Network Operating Center (NOC) structure including campus centers for labs, classrooms, offices, and learning centers, as well as, operation centers for telephony, communication, security, and notification systems. These systems include servers, high speed connection systems, hubs, ports, firewalls, instructor workstations, hands on computing and technology tools, audio visual equipment, software support and remote access among other developing technologies. This project also funds three project managers to oversee the design of new buildings and renovations (one for each campus) and staffing for collegewide communication and notification systems.

#### JUSTIFICATION

The NOC and network infrastructure must be compatible and work in concert with each other so no location is without central and on-site technology capabilities and support. This requires planned replacement and upgrades as new technology evolves. As faculty continue to develop more learning programs and methods to meet the increased expectations of students, the technology needs are increasing and changing for existing and new capabilities. Without meeting these requirements developed in the ITSP, College unit plans, overall strategic plans and telecommunications plans, the College will fall behind on expectations and the ability to deliver the right technology at the appropriate time.

Information Technology Strategic Plan: FY11-13- The three goals of the ITSP are the use of information technology to (1) facilitate student success; (2) effectively and efficiently operate the College; and (3) support the College's growth, development and community initiatives. The ITSP is an overall strategic plan that provides a cost effective and efficient vision for instructional, academic and administrative systems; and serves as a basis for preparing unit plans and budget requests for the plan's implementation.

#### OTHER

The College's annually updated ITSP for FY11-FY13 supports the current, and serves as documentation, for future funding requests. The ITSP is a comprehensive plan covering information technology activities funded from all budget sources for an integrated and complete plan for the College.

By Council Resolution No. 16-1261, the FY10 savings plan, the cumulative appropriation was reduced by \$533,000 (Current Revenue: General) in FY10.

FY11 Appropriation: \$1,000,000 (Current Revenue: Recordation Tax).

FY12 Appropriation: \$3,000,000; \$2,180,000 (Current Revenue: General), and \$820,000 (Current Revenue: Recordation Tax).

#### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

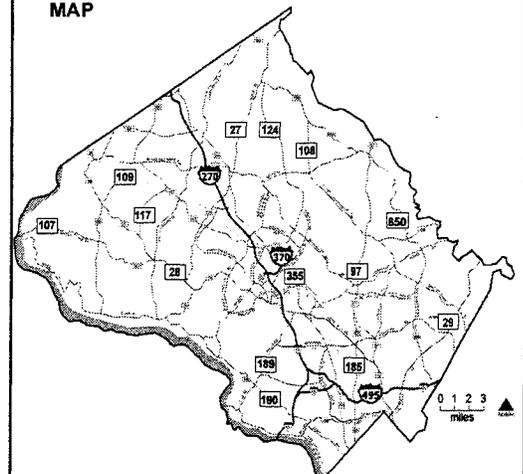
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY07	(\$000)
First Cost Estimate		
Current Scope	FY11	16,367
Last FY's Cost Estimate		16,367
Appropriation Request	FY12	3,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		5,367
Expenditures / Encumbrances		3,964
Unencumbered Balance		1,403
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

#### COORDINATION

Montgomery College Information Technology  
Strategic Plan: FY11-13

#### MAP



## Network Operating Center -- No. 076618

Category **Montgomery College**  
 Subcategory **Higher Education**  
 Administering Agency **Montgomery College**  
 Planning Area **Silver Spring**

Date Last Modified  
 Required Adequate Public Facility  
 Relocation Impact  
 Status

May 19, 2011  
 No  
 None.  
 On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,841	708	422	1,711	811	180	180	180	180	180	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	3,433	2,920	4	509	9	100	100	100	100	100	0
Other	12,980	2,602	598	9,780	180	2,720	1,720	1,720	1,720	1,720	0
<b>Total</b>	<b>19,254</b>	<b>6,230</b>	<b>1,024</b>	<b>12,000</b>	<b>1,000</b>	<b>3,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	7,816	6,230	1,024	562	32	530	0	0	0	0	0
Current Revenue: Recordation Tax	11,438	0	0	11,438	968	2,470	2,000	2,000	2,000	2,000	0
<b>Total</b>	<b>19,254</b>	<b>6,230</b>	<b>1,024</b>	<b>12,000</b>	<b>1,000</b>	<b>3,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>
Work Years					2.0	2.0	2.0	2.0	2.0	2.0	

#### DESCRIPTION

The purpose of this project is to establish and equip a Network Operating Center (NOC) on the Takoma Park/Silver Spring Campus and related central sites and provide for planned lifecycle asset replacement. The Network Operating Center is the center for all of the College's instructional, academic and administrative computing systems. The Network Operating Center was formerly located in the Computer Science Building on the Rockville Campus. The NOC has relocated to the Cafritz Arts Center on the Takoma Park/Silver Spring Campus at 7600 Takoma Avenue; the vacated space on the Rockville Campus will be reallocated for instructional programs. This project also funds staff for monitoring of security, cybersecurity, disaster recovery and redundant systems to help insure the integrity of the NOC. Two (2) staff positions are included in the project.

#### JUSTIFICATION

The College has a need for more instructional space on the Rockville Campus and Information Technology has outgrown the space in the Computer Science Building. This space has housed the Network Operating Center (formerly known as the computer room) for nearly 25 years and was originally constructed to accommodate two mainframes, peripherals and extremely limited "terminals." This same space now houses 179 servers and the telecommunications necessary to connect over 8,000 microcomputers and technology related components. The new NOC will also allow the College to improve availability with upgraded disaster recovery components, security firewalls and security systems. The planned lifecycle asset replacement and upgrades are a critical component of maintaining a state of the marketplace hardware and operating software.

Information Technology Strategic Plan: FY2011-2013 - The three goals of the ITSP are the use of information technology to (1) facilitate student success; (2) effectively and efficiently operate the College; and (3) support the College's growth, development and community initiatives. The ITSP is an overall strategic plan that provides a cost effective and efficient vision for instructional, academic and administrative systems; and serves as a basis for preparing unit plans and budget requests for the plan's implementation.

#### OTHER

The College's annually updated ITSP for FY11-FY13 supports the current, and serves as documentation, for future funding requests. The ITSP is a comprehensive plan covering information technology activities funded from all budget sources for an integrated and complete plan for the College.

By County Council Resolution No. 16-1261, the FY10 savings plan, the cumulative appropriation was reduced by \$146,000 (Current Revenue: General) in FY10.

FY11 Appropriation: \$1,000,000; \$968,000 (Current Revenue: Recordation Tax), and \$32,000 (Current Revenue: General).

FY12 Appropriation: \$3,000,000; \$2,470,000 (Current Revenue: Recordation Tax), and \$530,000 (Current Revenue: General).

#### OTHER DISCLOSURES

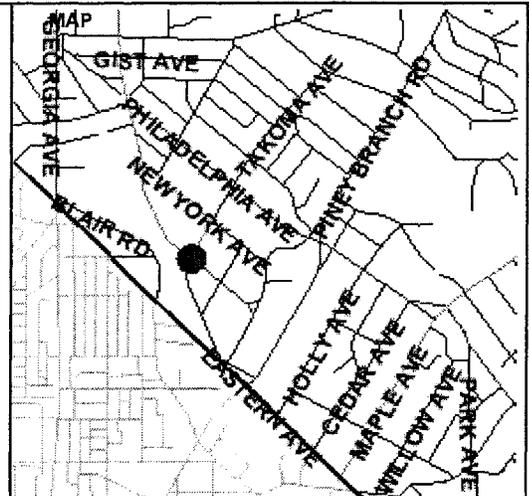
- \* Expenditures will continue indefinitely.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY07	(\$000)
First Cost Estimate		
Current Scope	FY11	19,254
Last FY's Cost Estimate		19,254
Appropriation Request	FY12	3,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		8,254
Expenditures / Encumbrances		6,719
Unencumbered Balance		1,535
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

#### COORDINATION

Cafritz Foundation Arts Center (CIP# 056604)  
 Computer Science Alterations (CIP# 046602)



## Rockville Student Services Center -- No. 076604

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Rockville

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

February 15, 2011  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	6,600	0	0	6,600	0	0	3,300	3,300	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	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>6,600</b>	<b>0</b>	<b>0</b>	<b>6,600</b>	<b>0</b>	<b>0</b>	<b>3,300</b>	<b>3,300</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	3,300	0	0	3,300	0	0	1,650	1,650	0	0	0
State Aid	3,300	0	0	3,300	0	0	1,650	1,650	0	0	0
<b>Total</b>	<b>6,600</b>	<b>0</b>	<b>0</b>	<b>6,600</b>	<b>0</b>	<b>0</b>	<b>3,300</b>	<b>3,300</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

This project funds the construction of a new student services center (approximately 100,000 gross square feet) to support student administrative services as outlined in the Rockville Campus Facilities Master Plan, 2006-2016 (9/10). This project brings together student and administrative services to support the concept of "one stop" shopping services for students. Specifically, it will include the following campus related functions and activities: Admissions and Registration, Financial Aid, Cashier, Dean of Student Development, Career Transfer Center, Assessment, Counseling, Disabled Student Services (DSS), and Trio program plus support services such as a training facility, storage, resource library and waiting areas. In addition, this building will house the Office of Safety and Security and a new parking department.

This project also includes funding for a central plant located in the Student Services Center and funding for a road extension/site improvements related to the building.

#### ESTIMATED SCHEDULE

The updated implementation schedule features a two year design sequence starting in FY13.

#### COST CHANGE

The cost of this project has increased due to FY12 Bond Bill cost escalations. The state has recognized the increasing costs of the current construction market and is using the following escalation factors: 3% in FY2012, and 3% thereafter. These cost escalations have been incorporated into the project.

#### JUSTIFICATION

Currently, these "intake functions" are fragmented and are insufficiently accommodated: Student Development is located in the Counseling & Advising Building; the assessment program is located in Campus Center; Admissions, Registration and Financial Aid are located in the Student Services Building. Bringing these functions under one roof will be of great benefit to students by increasing the efficiency of the intake operations.

Collegewide Facilities Condition Assessment (11/07), Collegewide Facilities Master Plan Update (9/10).

#### OTHER

Funding Sources: G.O. Bonds and State Aid.

FY13 Appropriation: \$6,600,000; \$3,300,000 (G.O. Bonds) and \$3,300,000 (State Aid).

NOTE: The estimated construction cost is \$48,826,000 pending final design. State share of the project based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

#### OTHER DISCLOSURES

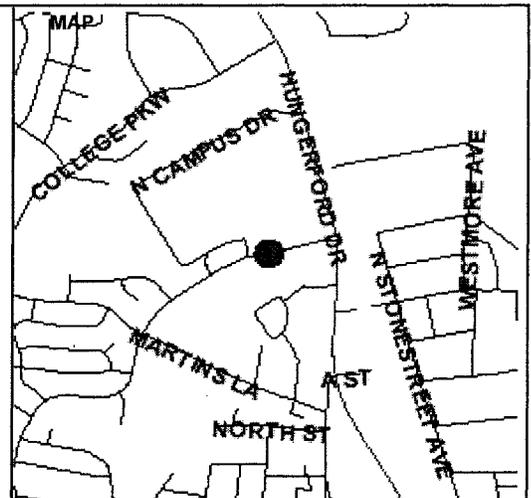
- Montgomery College asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY	(\$000)
First Cost Estimate		
Current Scope	FY11	6,600
Last FY's Cost Estimate		6,600
Appropriation Request	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

#### COORDINATION

Facility Planning: College (CIP #886686)



## Science East Building Renovation -- No. 076623

Category **Montgomery College**  
 Subcategory **Higher Education**  
 Administering Agency **Montgomery College**  
 Planning Area **Rockville**

Date Last Modified  
 Required Adequate Public Facility  
 Relocation Impact  
 Status

April 12, 2011  
 No  
 None.  
 On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,863	2,174	689	0	0	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	24,465	62	13	24,390	0	9,000	15,390	0	0	0	0
Other	6,424	0	0	6,424	0	0	6,424	0	0	0	0
<b>Total</b>	<b>33,752</b>	<b>2,236</b>	<b>702</b>	<b>30,814</b>	<b>0</b>	<b>9,000</b>	<b>21,814</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	19,701	2,236	702	16,763	0	4,500	12,263	0	0	0	0
State Aid	14,051	0	0	14,051	0	4,500	9,551	0	0	0	0
<b>Total</b>	<b>33,752</b>	<b>2,236</b>	<b>702</b>	<b>30,814</b>	<b>0</b>	<b>9,000</b>	<b>21,814</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

This project provides for the realignment/renovation of space in the Science East building (53,737 GSF) on the Rockville campus in accordance with the College's Facilities Master Plan (1/04) and the building educational space specifications. The renovated building will house general purpose classrooms, and the mathematics and education departments. The building renovation will include general building improvements, HVAC system replacement and related energy conservation measures, and building access improvements. A building survey in FY89 determined that the building structure is fireproofed with a sprayed on asbestos product and asbestos thermal insulation is used on the mechanical systems. Asbestos removal is determined to be the most appropriate response under Federal and State asbestos guidelines. The removal project will include mechanical system re-insulation and fireproofing in conformance with the local fire code.

#### COST CHANGE

The total FY11-16 cost increase is \$3,534,000. Of this, \$822,000 is for inflation in both construction (\$712,000) and furniture, fixtures, and equipment (\$110,000); \$2,712,000 is for the addition of IT equipment to the project.

#### JUSTIFICATION

Science East was constructed in 1965 and the greenhouse addition was constructed in 1970. The building no longer adequately supports the educational programs and support functions housed in it. The College plans to coordinate the renovation of Science East with the construction of the Rockville Science Center. The Biology and Physics departments will relocate to the new Rockville Science Center when it is completed in FY11. The existing mechanical system is inadequate and will be replaced along with the existing lighting to create better illumination levels and greater energy efficiency. The funds requested will also provide for the reassignment, realignment, and renovation of space, including furniture and equipment; energy conservation; and handicapped modification measures.

Collegewide Facilities Condition Assessment (11/07), Collegewide Facilities Master Plan Update (9/10), Part 1/2 Program - Renovation/Addition to the Science East & Science West Buildings (5/06).

#### OTHER

Funding Sources: G.O. Bonds, State Aid, and CR-General for IT equipment.

FY12 Appropriation: \$24,390,000; \$12,195,000 (G.O. Bonds), \$12,195,000 (State Aid).

FY13 Appropriation: \$6,424,000; \$4,568,000 (G.O. Bonds) and \$1,856,000 (State Aid).

State share of project based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement. Building renovation planning and design began in FY09 with building asbestos removal and renovation scheduled to begin in FY12.

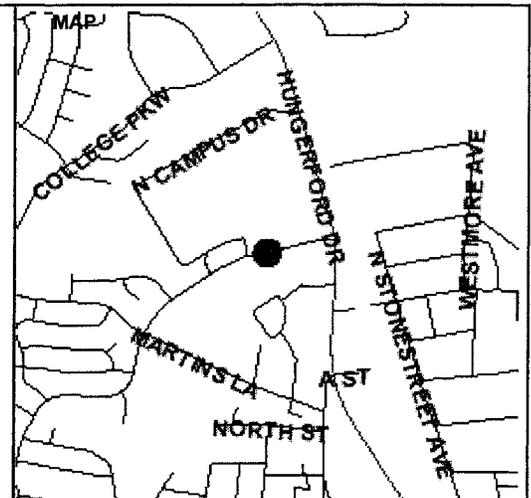
#### OTHER DISCLOSURES

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

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY09	(\$000)
First Cost Estimate		
Current Scope	FY11	30,218
Last FY's Cost Estimate		30,218
Appropriation Request	FY12	24,390
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,938
Expenditures / Encumbrances		2,236
Unencumbered Balance		702
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

#### COORDINATION

Rockville Science Center (CIP #036600)  
 Science West Building Renovation (CIP #976645)



## Science West Building Renovation -- No. 076622

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Rockville

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

February 15, 2011  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	3,062	615	2,447	0	0	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	24,736	0	0	24,736	0	0	0	8,245	16,491	0	0
Other	3,742	0	0	3,742	0	0	0	0	3,742	0	0
<b>Total</b>	<b>31,540</b>	<b>615</b>	<b>2,447</b>	<b>28,478</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,245</b>	<b>20,233</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	16,287	615	1,432	14,240	0	0	0	4,123	10,117	0	0
State Aid	15,253	0	1,015	14,238	0	0	0	4,122	10,116	0	0
<b>Total</b>	<b>31,540</b>	<b>615</b>	<b>2,447</b>	<b>28,478</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,245</b>	<b>20,233</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

This project provides for the realignment/renovation of space in the Science West Building (41,988 GSF) on the Rockville Campus in accordance with the College's Facilities Master Plan (1/04) and the building educational space specifications. The renovated building will house the Math department faculty offices and the Math Learning Center. The building renovation will include general building improvements, HVAC system replacement and related energy conservation measures, and building access improvements. A building survey in FY91 determined that the building structure is fireproofed with a sprayed on asbestos product and asbestos thermal insulation is used on the mechanical systems. An asbestos removal is determined to be the most appropriate response under Federal and State asbestos guidelines. The removal project will include mechanical system reinsulation and reroofing in conformance with the local fire code.

#### JUSTIFICATION

Science West was constructed in 1971. The building no longer adequately supports the educational programs and support functions housed in it. The College will coordinate the renovation of Science West with the construction of the Rockville Science Center. The Chemistry and Biology departments will relocate to the new Rockville Science Center when it is completed in FY11. The existing mechanical system is inadequate and will be replaced along with the existing lighting to create better illumination levels and greater energy efficiency. The funds requested will also provide for the reassignment, realignment, and renovation of space, including furniture and equipment; energy conservation; and handicapped modification measures.

Collegewide Facilities Condition Assessment (11/07), Collegewide Facilities Master Plan Update (9/10), Part 1/2 - Renovation/Addition to the Science East & Science West Buildings (5/06).

#### OTHER

Funding Source: G.O. Bonds, and State Aid.

FY2011 Appropriation: \$0.

FY2012 Appropriation: \$0.

State share of project based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

Building renovation planning and design began in FY09 with a building asbestos removal and renovation scheduled to begin in FY14.

#### FISCAL NOTE

Shift expenditures and funding from FY13 to FY14 to reflect current implementation plan.

#### OTHER DISCLOSURES

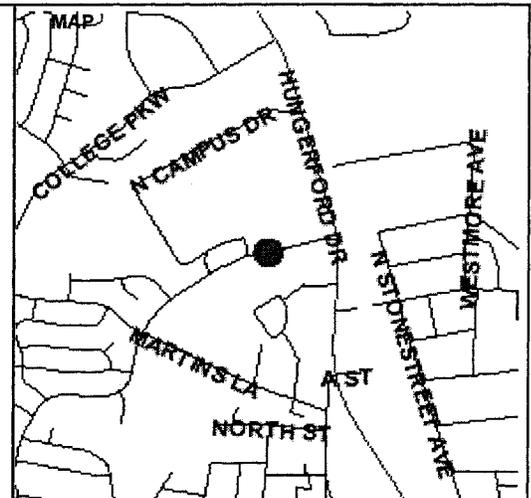
- Montgomery College asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY09	(\$000)
First Cost Estimate	FY12	31,540
Current Scope		31,540
Last FY's Cost Estimate		31,540
Appropriation Request	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,062
Expenditures / Encumbrances		615
Unencumbered Balance		2,447
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

#### COORDINATION

Rockville Science Center (CIP #036600)  
Science East Building Renovation (CIP #076623)



## Site Improvements: College -- No. 076601

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

May 03, 2011  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,970	968	2	1,000	140	300	140	140	140	140	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	11,679	5,621	9	6,049	480	3,649	480	480	480	480	0
Construction	480	0	0	480	80	80	80	80	80	80	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>14,129</b>	<b>6,589</b>	<b>11</b>	<b>7,529</b>	<b>700</b>	<b>4,029</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	1,000	1,000	0	0	0	0	0	0	0	0	0
G.O. Bonds	13,129	5,589	11	7,529	700	4,029	700	700	700	700	0
<b>Total</b>	<b>14,129</b>	<b>6,589</b>	<b>11</b>	<b>7,529</b>	<b>700</b>	<b>4,029</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>0</b>

#### DESCRIPTION

This project funds the repair, maintenance and improvements of the College's site infrastructure. This may include, but is not limited to: roadways, parking lots, walkways, site lighting, external site signage and site communications infrastructure. The Stormwater Management project, #076602, was added to the scope of this project in FY2009. This project also provides for the rehabilitation and structural maintenance of storm water management facilities on the College's campuses. This includes, but is not limited to: dam or spillway repairs, pond dredging, storm drain system repairs/replacement, and storm water management studies to determine best practice solutions.

\*\* Note: For FY11, the Outdoor Athletics Facilities: College project (CIP# 076600) has been merged into this project.

This project also funds the repair, maintenance and improvement of the College's outdoor athletic facilities. This may include, but is not limited to: athletic field lighting, reconfiguration and upgrade; the repair/replacement of bleachers; turf renovation including regrading, sodding and irrigation/drainage management; repair/replacement of running tracks and tennis courts; and the repair/replacement of backstops, player protection fencing and benches.

#### COST CHANGE

The College has shifted for FY12 only, expenditures and funding from two projects; Capital Renewal: College (No. 096600) for \$2,749,000 and Elevator Modernization: College (No. 056608) for \$580,000, a total \$3,329,000 reallocation. This increases the currently approved FY12 project funding of \$700,000 to \$4,029,000. The additional funding will continue much needed site work at the three campuses; specifically, responding to parking lots/streets at the end of their life span that need to be repaved, and/or have further deteriorated due to this past winter's heavy snowstorms. It will also provide for continuing sidewalk replacements to eliminate tripping hazards and to comply with ADA requirements. Shifting these funds will not have an adverse impact on the Capital Renewal or Elevator Modernization projects.

#### JUSTIFICATION

In December 2004, the County Council initiated Infrastructure Maintenance Task Force gathered information on the maintenance needs of County agencies. The first objective was to identify the direst needs of agencies for additional funding; the long-term goal was to initiate an ongoing, regular process to update and improve the inventory and analysis of infrastructure maintenance needs. As the College had already completed a facilities assessment (August, 2002), adequate information was available for buildings and a process was already underway to address these needs. However, less attention had been given to site issues. An outcome of this task force was to create projects to address these site needs.

Collegewide Facilities Condition Assessment Update (11/07), Collegewide Facilities Master Plan Update (9/10), County Council Report of the Infrastructure Maintenance Task Force (3/10).

#### OTHER

FY2012 Appropriation: \$4,029,000 (G.O. Bonds).

#### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1"> <tr> <td>Date First Appropriation</td> <td>FY07</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td></td> <td></td> </tr> <tr> <td>Current Scope</td> <td>FY12</td> <td>14,129</td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>10,800</td> </tr> </table>	Date First Appropriation	FY07	(\$000)	First Cost Estimate			Current Scope	FY12	14,129	Last FY's Cost Estimate		10,800	<p>This project is coordinated with Utility Master Plans and building renovations on the Rockville, Germantown, and Takoma Park Silver Spring Campuses. Capital Renewal: College (CIP #096600) Elevator Modernization: College (CIP #056608)</p>	
Date First Appropriation	FY07	(\$000)												
First Cost Estimate														
Current Scope	FY12	14,129												
Last FY's Cost Estimate		10,800												
<table border="1"> <tr> <td>Appropriation Request</td> <td>FY12</td> <td>4,029</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> </table>	Appropriation Request	FY12	4,029	Supplemental Appropriation Request		0	Transfer		0					
Appropriation Request	FY12	4,029												
Supplemental Appropriation Request		0												
Transfer		0												
<table border="1"> <tr> <td>Cumulative Appropriation</td> <td></td> <td>7,300</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>6,604</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>696</td> </tr> </table>	Cumulative Appropriation		7,300	Expenditures / Encumbrances		6,604	Unencumbered Balance		696					
Cumulative Appropriation		7,300												
Expenditures / Encumbrances		6,604												
Unencumbered Balance		696												
<table border="1"> <tr> <td>Partial Closeout Thru</td> <td>FY09</td> <td>0</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY10</td> <td>0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>0</td> </tr> </table>	Partial Closeout Thru	FY09	0	New Partial Closeout	FY10	0	Total Partial Closeout		0					
Partial Closeout Thru	FY09	0												
New Partial Closeout	FY10	0												
Total Partial Closeout		0												

## Takoma Park/Silver Spring Math & Science Center -- No. 076607

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Takoma Park

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

February 15, 2011  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	8,896	0	0	8,896	0	0	0	0	4,448	4,448	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	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8,896</b>	<b>0</b>	<b>0</b>	<b>8,896</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,448</b>	<b>4,448</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	4,448	0	0	4,448	0	0	0	0	2,224	2,224	0
State Aid	4,448	0	0	4,448	0	0	0	0	2,224	2,224	0
<b>Total</b>	<b>8,896</b>	<b>0</b>	<b>0</b>	<b>8,896</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,448</b>	<b>4,448</b>	<b>0</b>

**DESCRIPTION**

This project provides funding for the design and construction of a new academic building (128,900 gross square feet) supporting science programs, such as Biology, Chemistry, and the Physical Sciences, and the Mathematics Department, as described in the Takoma Park Campus Facilities Master Plan, 2006-2016 (9/10). The science and math complex will be completed in two phases, beginning with the demolition and replacement of Science South, followed by the demolition and replacement of Science North.

**ESTIMATED SCHEDULE**

The updated implementation schedule features a two year design sequence starting in FY15.

**COST CHANGE**

The cost of this project has increased due to FY12 Bond Bill cost escalations. The state has recognized the increasing costs of the current construction market and is using the following escalation factors: 3% in FY2012, and 3% thereafter. These cost escalations have been incorporated into the project.

**JUSTIFICATION**

Under the application of the State space guidelines, the enrollment growth on the Takoma Park/Silver Spring Campus has resulted in a significant instructional space deficit. The Takoma Park/Silver Spring Campus has a current (Fall 2009) laboratory space deficit of 24,613 NASF and a total space deficit of 35,612 NASF. Even after the completion of the Takoma Park Campus Expansion Project and the Cafritz Foundation Art Center, the 2019 projected laboratory space deficit will be 31,159 NASF and the total space deficit is anticipated to be 56,255 NASF. The construction of the Math & Science Center will address this deficit as well as replace Science North and Science South that are in exceedingly poor condition (as identified in the Collegewide Facilities Condition Assessment, 11/07). In addition, the replacement of Science North and Science South allows the campus to capitalize on site capacities with large buildings, given the restricted development opportunities available on the campus.

Collegewide Facilities Condition Assessment (11/07), Collegewide Facilities Master Plan Update (9/10).

**OTHER**

Fund Sources: G.O. Bonds and State Aid.

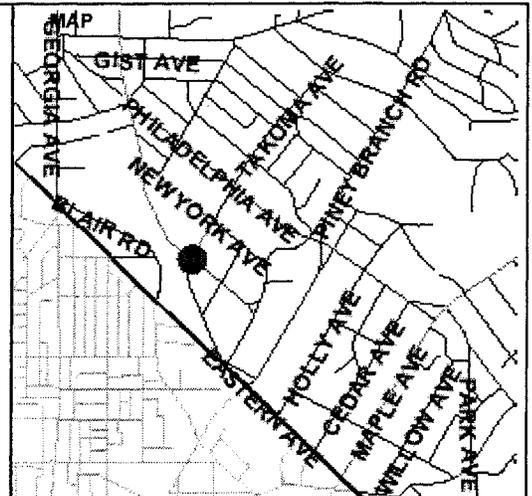
State share of project based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

**OTHER DISCLOSURES**

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

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY	(\$000)
First Cost Estimate	FY12	8,896
Current Scope		8,896
Last FY's Cost Estimate		8,896
Appropriation Request	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

**COORDINATION**  
Facility Planning: College (CIP #886686)



## TP/SS West Campus Garage - Phase 2 -- No. 096606

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Silver Spring

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

December 21, 2010  
No  
None  
Under Construction

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	874	766	108	0	0	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	476	476	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,350</b>	<b>1,242</b>	<b>108</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

Major Facilities Capital Projects Fund (MC only)	1,350	1,242	108	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,350</b>	<b>1,242</b>	<b>108</b>	<b>0</b>							

#### DESCRIPTION

This project will fund the construction of ice module units located on the ground level of the new Takoma Park/Silver Spring West Campus Garage, which will be connected to the existing central chiller plant located in the adjacent Cafritz Foundation Arts Center. The College has determined that it is not appropriate to fund central plant equipment from the planned revenue bond financing for the Takoma Park/Silver Spring West Campus Garage project. Any remaining funds will provide a construction contingency for the garage project.

#### JUSTIFICATION

The Takoma Park/Silver Spring Campus currently (Fall 2009) has 769 spaces with a need of 2,380 spaces resulting in a deficit of 1,611 spaces. With the renovation of the Cafritz Foundation Arts Center, the construction of the Charlene Nunley Student Services Center and the Performing Arts Center, the deficit is expected to grow to 1,607 by 2019. This new garage, in close proximity to the new Performing Arts Center, will address a portion of the parking deficit while providing parking for events held at the Performing Arts Center.

Collegewide Facilities Master Plan Update (9/10), Montgomery College Parking Garage Study Phase 1 (Desman Associates 4/03), Phase 2 (11/03), Collegewide Parking Study (Fall, 2007).

#### OTHER

Funding Source: Major Facilities Capital Projects Fund.

FY09 Supplemental Appropriation: \$1,500,000 (Major Facilities Capital Project Fund, Council Resolution No. 16-745; Montgomery College Board of Trustees Resolution No. 08-06-070).

The following fund transfer has been made from this project: \$150,000 to the Commons Renovation project (#056601)(BOT Resolution# 10-03-025)(3/15/10).

#### FISCAL NOTE

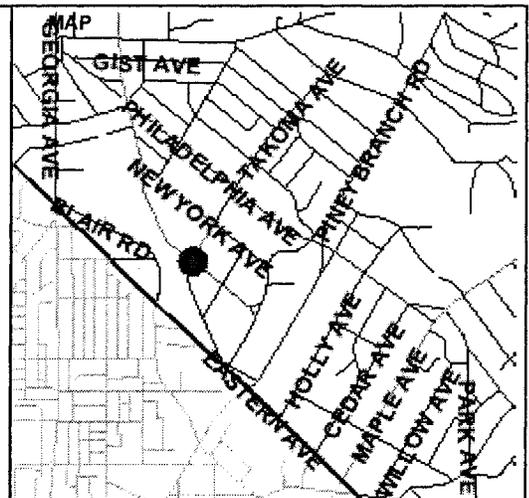
Through the Montgomery County Revenue Authority, the College will use Revenue Bonds to fund the construction of the parking garage. The College will repay these bonds through the transportation fee paid by students and a parking fee paid by all College employees.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY09	(\$000)
First Cost Estimate	FY12	1,350
Current Scope		1,350
Last FY's Cost Estimate		1,500
Appropriation Request	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,350
Expenditures / Encumbrances		1,292
Unencumbered Balance		58
Partial Closeout Thru	FY09	0
New Partial Closeout	FY10	0
Total Partial Closeout		0

#### COORDINATION

Takoma Park Campus Expansion (No. 996662)  
Cafritz Foundation Arts Center (No. 056604)



**PART III: CAPITAL IMPROVEMENTS PROJECTS TO BE CLOSED OUT**

The following capital projects are closed out effective July 1, 2011, and the appropriation for each project is decreased by the amount of that project's unencumbered balance.

<b>Project #</b>	<b>Project Name</b>
096606	TP/SS West Campus Garage - Phase 2

**PART IV: CAPITAL IMPROVEMENTS PROJECTS:  
PARTIAL CLOSE OUT**

**Partial close out of the following capital projects is effective July 1, 2011**

<b>Project #</b>	<b>Project Name</b>	<b>Amount</b>
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**NONE**