

#3 - Montgomery College CIP amendments and Capital Budget

Resolution No: 17-436  
Introduced: May 24, 2012  
Adopted: May 24, 2012

**COUNTY COUNCIL  
FOR MONTGOMERY COUNTY, MARYLAND**

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By: County Council

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**SUBJECT:** Approval of the FY 2013-2018 Capital Improvements Program, and Approval of and Appropriation for the FY 2013 Capital Budget of Montgomery College

**Background**

1. As required by the Education Article, Section 16-301 of the Maryland Code, the Montgomery College Board of Trustees sent to the County Executive and County Council a 6-year Capital Improvements Program (CIP) and an FY 2013 Capital Budget for Montgomery College.
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 17, 2012 for the 6-year period FY 2013-2018. (January 15 fell on a Sunday and January 16 fell on a holiday.) Section 302 requires the affirmative vote of at least 5 Councilmembers to approve or modify the Executive's Recommended CIP. 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 17, 2012 for FY 2013. (January 15 fell on a Sunday and January 16 fell on a holiday.)
4. As required by Section 304 of the Charter, the Council held public hearings on the Capital Budget for FY 2013 and on the Recommended CIP for FY 2013-2018 on February 7 and 9, 2012.

**Action**

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

1. For FY 2013, the Council approves the Capital Budget for Montgomery College and appropriates the amounts by project which are shown in part I.
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 FY 2013-2018; and
  - c) to the extent that those appropriations are not expended or encumbered.
3. The Council approves the projects for the FY 2013-2018 Capital Improvements Program as presented in the Board of Trustees requested FY 2013 Capital Budget and FY 2013-2018 Capital Improvements Program, dated November 21, 2011, with the exceptions which are attached in Part II. Those projects are approved as modified.
4. The Council approves the close out of the projects in part III.
5. The Council approves the partial close out of the projects in part IV.
6. Any revenue which exceeds the amount estimated to be received from revenue sources other than County bonds must reduce the amount of bonds to be sold by the amount of the excess.
7. Allocation of FiberNet fibers to Montgomery College from the County FiberNet is subject to a construction memorandum of understanding between the College and the County as well as approval by the Interagency Technology Policy and Coordination Committee. The County must complete a detailed implementation plan for the construction memorandum of understanding by October 1, 2012. If a construction memorandum of understanding is not agreed to by August 30, 2012, or if the implementation plan is not completed by October 1, Montgomery College may acquire fiber independently, subject to appropriation and approval by the Council. The County Cable Plan provides: "User agencies must notify the Council before paying any fee to or entering into any agreement with any private provider, if using FiberNet to serve specific facilities is more advantageous to the County. The Council will then consider if adjustments to the funded FiberNet buildout schedule are warranted to avoid paying excessive fees to private providers for telecommunications service to any specific facility."
8. If a sign recognizing the contribution of any Federal, State, or local government or agency is displayed at any project for which funds are appropriated in this resolution, as a condition of spending those funds each sign must also expressly recognize the contribution of the County and the County's taxpayers.

This is a correct copy of Council action.



Linda M. Lauer, Clerk of the Council

**PART I: FY 2013 CAPITAL BUDGET FOR MONTGOMERY COLLEGE**

The appropriations for FY 2013 in this Part are made to implement the projects in the Capital Improvements Program for FY 2013-2018. 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>FY13 Appropriation</b>	<b>Cumulative Appropriation</b>	<b>Total Appropriation</b>
936660	ADA Compliance: College	50,000	1,103,000	1,153,000
096600	Capital Renewal: College	1,654,000	6,094,000	7,748,000
816611	Energy Conservation: College	125,000	4,418,000	4,543,000
886686	Facility Planning: College	270,000	4,157,000	4,427,000
136600	Germantown Science & Applied Studies Phase 1-Renov	4,529,000	0	4,529,000
856509	Information Technology: College	4,000,000	90,877,000	94,877,000
096601	Instructional Furniture and Equipment: College	270,000	1,020,000	1,290,000
076619	Network Infrastructure and Support Systems	1,800,000	8,367,000	10,167,000
076618	Network Operating Center	2,000,000	11,254,000	13,254,000
926659	Planned Lifecycle Asset Replacement: College	4,000,000	30,948,000	34,948,000
906605	Planning, Design & Construction	1,413,000	18,420,000	19,833,000
076604	Rockville Student Services Center	10,373,000	0	10,373,000
076623	Science East Building Renovation	5,028,000	27,328,000	32,356,000
076601	Site Improvements: College	700,000	11,329,000	12,029,000
076617	Student Learning Support Systems	1,600,000	4,620,000	6,220,000
	<b>Total - Montgomery College</b>	<b>37,812,000</b>	<b>219,935,000</b>	<b>257,747,000</b>

**PART II: REVISED PROJECTS**

**The projects described in this section were revised from, or were not included among, the projects as requested by the agency in the Board of Trustees FY 2013 Capital Budget and FY 2013-2018 Capital Improvements Program of November 21, 2011. These projects are approved.**

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**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 08, 2012  
No  
None.  
Under Construction

**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	10,011	9,961	0	50	30	20	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	68,361	29,176	33,185	6,000	5,000	1,000	0	0	0	0	0
Other	14,413	0	0	14,413	0	14,413	0	0	0	0	0
<b>Total</b>	<b>92,785</b>	<b>39,137</b>	<b>33,185</b>	<b>20,463</b>	<b>5,030</b>	<b>15,433</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**FUNDING SCHEDULE (\$000)**

G.O. Bonds	51,011	21,951	16,592	12,468	2,515	9,953	0	0	0	0	0
PAYGO	691	691	0	0	0	0	0	0	0	0	0
State Aid	41,083	16,495	16,593	7,995	2,515	5,480	0	0	0	0	0
<b>Total</b>	<b>92,785</b>	<b>39,137</b>	<b>33,185</b>	<b>20,463</b>	<b>5,030</b>	<b>15,433</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**OPERATING BUDGET IMPACT (\$000)**

Maintenance				4,404	0	0	1,101	1,101	1,101	1,101
Energy				2,722	0	283	566	594	624	655
<b>Net Impact</b>				<b>7,126</b>	<b>0</b>	<b>283</b>	<b>1,667</b>	<b>1,695</b>	<b>1,725</b>	<b>1,756</b>
Work Years					20.0	20.0	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. 141,433 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 to provide an additional means of entrance and egress as student enrollment grows, and to better address emergency situations that may necessitate a campus evacuation. The current primary gateway and entrance to the campus is located on MD 118. 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.

**ESTIMATED SCHEDULE**

Project construction is scheduled to be completed in the summer of 2014.

**COST CHANGE**

Project costs have increased due to greater than anticipated construction costs, partially offset by decreased planning, design, and supervision costs.

**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 2020 projected instructional space deficit of 42,069 NASF and a total space deficit anticipated to be 105,076 NASF. In addition, the chemistry and biology classrooms and labs are currently located in outdated facilities; these will be updated under the Germantown Science and Applied Studies Phase 1 Renovation project. The new Bioscience Education building will provide a modern facility for up to date biotechnology instruction along with providing much needed additional space.

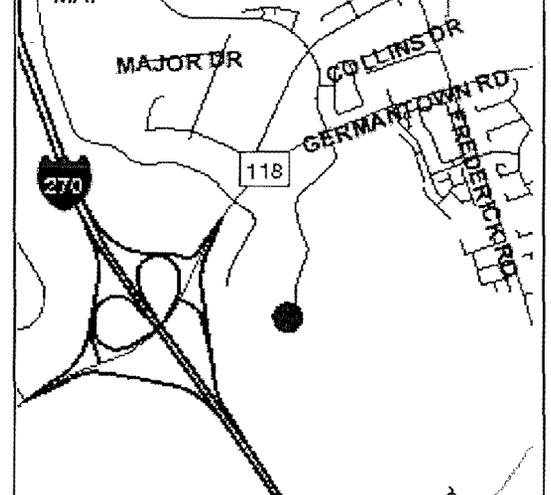
The Germantown Campus accommodates 6,819 students and 409 full time, and part time faculty and staff (Fall 2010). Related studies include the Collegewide Facilities Master Plan Update (9/10), the Germantown Bioscience Education Center Facility Program (5/04), a Collegewide Facilities Condition Assessment Update (11/07), and the Bioscience Education Center Program Verification Report, (9/07).

**APPROPRIATION AND EXPENDITURE DATA**

Date First Appropriation	FY05	(\$000)
First Cost Estimate		
Current Scope	FY13	92,785
Last FY's Cost Estimate		87,901
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	14,413
Supplemental Appropriation Request		0
Transfer		4,500
Cumulative Appropriation		78,372
Expenditures / Encumbrances		16,001
Unencumbered Balance		62,371
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

**COORDINATION**

Energy Conservation: College (CIP No. 816611)  
Facility Planning: College (CIP No. 886686)  
Germantown Observation Drive Reconstruction (CIP No. 096604)  
Germantown Science and Applied Studies Phase 1 Renovation (CIP No. 136600)

**MAP**

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

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### OTHER

FY14 Appropriation: \$14,413,000; \$9,442,000 (G.O. Bonds), and \$4,971,000 (State Aid).

State share of the project is 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 transfer has been made to this project: \$4,500,000 from the Rockville Science Center project (No. 036600) (BOT Resol. #12-01-07, 1/30/12).

### OTHER DISCLOSURES

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

# Facility Planning: College -- No. 886686

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, 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	5,777	3,857	300	1,620	270	270	270	270	270	270	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>5,777</b>	<b>3,857</b>	<b>300</b>	<b>1,620</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

Current Revenue: General	5,777	3,857	300	1,620	270	270	270	270	270	270	0
<b>Total</b>	<b>5,777</b>	<b>3,857</b>	<b>300</b>	<b>1,620</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>0</b>

### DESCRIPTION

This project provides funding for facility planning studies for projects being considered for possible inclusion in the CIP. In addition, facility planning serves as a transition stage for a project between the master plan or conceptual stage, and its inclusion as a stand-alone project, or subproject, in the CIP. Prior to the establishment of a stand-alone project, the College develops a Facility Program/Program of Requirements (POR) that outlines the general facility purpose and need and specific features required on the project. Facility planning is a decision-making process to determine the purpose and need of a candidate project through a rigorous investigation of the following critical project elements: usage forecasts; academic requirements; investigation of non-County sources of funding; and detailed project cost estimates. This project provides for project planning and preliminary design, and allows for the development of a program of requirements in advance of the full programming of a project in the CIP, including the preparation of Part I and II documentation to meet State requirements. Depending upon the results of a facility planning determination of purpose and need, a project may or may not proceed to construction.

### COST CHANGE

Increase due to the addition of FY17-18 to this on-going level of effort project, partially offset by a decreased six-year annual level of effort for fiscal reasons.

### JUSTIFICATION

There is a continuing need for the development of accurate cost estimates and an exploration of alternatives for proposed projects. Facility planning costs for all projects which ultimately become stand-alone PDFs are included here. These costs will not be reflected in the resulting individual project. Future individual CIP projects which result from facility planning may each reflect reduced planning and design costs.

Relevant studies include the Collegewide Facilities Condition Assessment Update (11/07), and the Collegewide Facilities Master Plan Update (09/10).

### OTHER

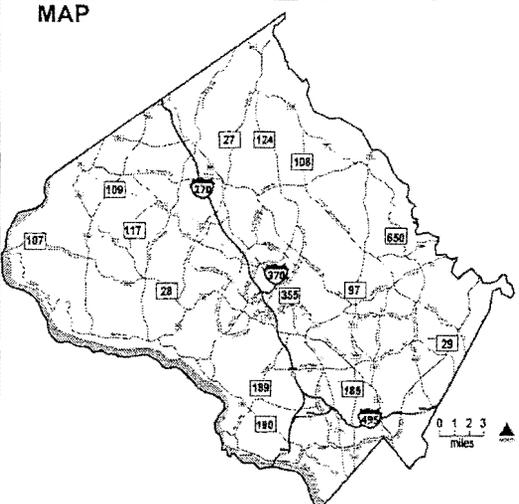
The following fund transfers have been made from this project: \$25,000 to the Information Technology: College project (CIP No. 856509) (BOT Resol. #91-56 - 5/20/91); \$7,000 to Planning, Design & Construction (CIP No. 906605) (BOT Resol. #01-153 - 10/15/01); \$25,000 to Planning, Design and Construction (CIP No. 804064) (BOT Resol. #02-62 - 6/17/02). The following fund transfer has been made to this project: \$28,000 from the South Silver Spring Property Acquisition (CIP No. 016602) (BOT Resol. # 03-28 - 4/21/03). By County Council Resol. No. 12-6333, the cumulative project appropriation was reduced by \$187,500 in FY92. By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$171,000 (Current Revenue: General) as part of the FY10 savings plan.

FY2013 Appropriation: \$270,000 (Current Revenue: General).

FY2014 Appropriation: \$270,000 (Current Revenue: General).

### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td>FY68</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY13</td> <td>5,777</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>5,357</td> </tr> </table>	Date First Appropriation	FY68	(\$000)	First Cost Estimate	FY13	5,777	Current Scope			Last FY's Cost Estimate		5,357	<p>Collegewide Facilities Master Plan Update, FY12 -- Takoma Park/Silver Spring Communication Arts Center Building Study</p> <p>FY13 -- Germantown Student Services Center Part I/II as submitted to the State</p> <p>FY14 -- Takoma Park/Silver Spring Math and Science Center Part I/II as submitted to the State</p>	
Date First Appropriation	FY68	(\$000)												
First Cost Estimate	FY13	5,777												
Current Scope														
Last FY's Cost Estimate		5,357												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Appropriation Request</td> <td>FY13</td> <td>270</td> </tr> <tr> <td>Appropriation Request Est.</td> <td>FY14</td> <td>270</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	FY13	270	Appropriation Request Est.	FY14	270	Supplemental Appropriation Request		0	Transfer		0		
Appropriation Request	FY13	270												
Appropriation Request Est.	FY14	270												
Supplemental Appropriation Request		0												
Transfer		0												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Cumulative Appropriation</td> <td></td> <td>4,157</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>3,857</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>300</td> </tr> </table>	Cumulative Appropriation		4,157	Expenditures / Encumbrances		3,857	Unencumbered Balance		300					
Cumulative Appropriation		4,157												
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Unencumbered Balance		300												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Partial Closeout Thru</td> <td>FY10</td> <td>0</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY11</td> <td>0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>0</td> </tr> </table>	Partial Closeout Thru	FY10	0	New Partial Closeout	FY11	0	Total Partial Closeout		0					
Partial Closeout Thru	FY10	0												
New Partial Closeout	FY11	0												
Total Partial Closeout		0												

# Germantown Observation Drive Reconstruction -- No. 096604

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Germantown

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

May 17, 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	1,000	0	100	900	100	400	400	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	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>1,000</b>	<b>0</b>	<b>100</b>	<b>900</b>	<b>100</b>	<b>400</b>	<b>400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	1,000	0	100	900	100	400	400	0	0	0	0
<b>Total</b>	<b>1,000</b>	<b>0</b>	<b>100</b>	<b>900</b>	<b>100</b>	<b>400</b>	<b>400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**DESCRIPTION**

This project funds the design for reconstruction of the existing main entrance road (Observation Drive) from MD-118 into the Campus. On-going repairs to the main road on the Germantown Campus are no longer sufficient and existing conditions require a major reconstruction. Originally constructed in the mid 1970's, this road was largely constructed on grade without the sub-base construction that is now typical for roads with the heavy vehicle and bus traffic that the Campus operations impose.

**ESTIMATED SCHEDULE**

Project design is scheduled to be completed in the Fall of 2015.

**JUSTIFICATION**

During the Fall 2010 semester, 6,819 students attended the Germantown campus, which was an enrollment increase of 3.8% from the previous fall semester. The existing main entrance road (Observation Drive) is inadequate for serving the current and growing student body and requires reconstruction due to the heavy vehicle and bus traffic currently experienced on the campus. According to the Geotechnical Report for Observation Drive Pavement Assessment, problems identified with the existing Observation Drive are the non-existent sub base, longitudinal cracks, alligator cracks, potholes, and raveling.

Related studies include the Collegewide Facilities Condition Assessment (11/07), and the Geotechnical Report for Observation Drive Pavement Assessment (5/07).

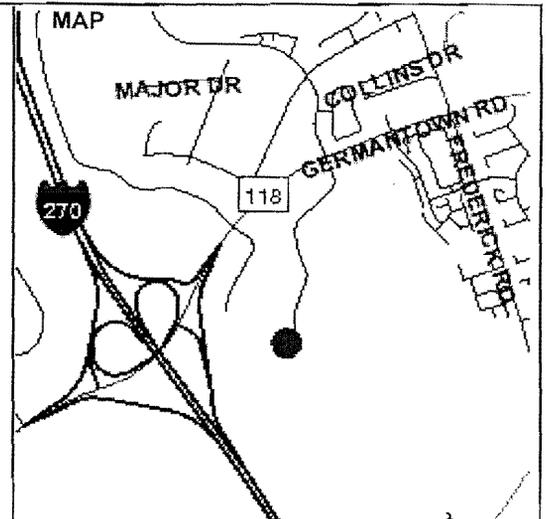
**OTHER**

Funding Source: \$1,000,000 (G.O. Bonds).

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY09	(\$000)
First Cost Estimate		
Current Scope	FY09	1,000
Last FY's Cost Estimate		1,000
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,000
Expenditures / Encumbrances		0
Unencumbered Balance		1,000
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

**COORDINATION**

Site Improvements: College (CIP No. 076601)



# Germantown Science & Applied Studies Phase 1-Renov -- No. 136600

Category	Montgomery College	Date Last Modified	May 09, 2012
Subcategory	Higher Education	Required Adequate Public Facility	No
Administering Agency	Montgomery College	Relocation Impact	None.
Planning Area	Germantown	Status	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	4,529	0	0	4,529	1,509	1,510	1,510	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	28,512	0	0	28,512	0	0	2,000	12,256	14,256	0	0
Other	4,654	0	0	4,654	0	0	0	0	4,654	0	0
<b>Total</b>	<b>37,695</b>	<b>0</b>	<b>0</b>	<b>37,695</b>	<b>1,509</b>	<b>1,510</b>	<b>3,510</b>	<b>12,256</b>	<b>18,910</b>	<b>0</b>	<b>0</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	19,444	0	0	19,444	891	891	1,891	6,128	9,643	0	0
State Aid	18,251	0	0	18,251	618	619	1,619	6,128	9,267	0	0
<b>Total</b>	<b>37,695</b>	<b>0</b>	<b>0</b>	<b>37,695</b>	<b>1,509</b>	<b>1,510</b>	<b>3,510</b>	<b>12,256</b>	<b>18,910</b>	<b>0</b>	<b>0</b>

### DESCRIPTION

This project provides for the realignment/renovation of space in the Science and Applied Studies building (71,082 GSF) on the Germantown Campus in accordance with the College's Facilities Master Plan (9/10) and the building educational space specifications. The renovated building will house open class labs, classrooms, offices and support space related to the physics, engineering, and mathematics departments. The Science and Applied Studies Renovation will occur in two phases. The first phase involves the renovation of the second floor, and a 27,500 GSF building addition, to support the Physics, Engineering, and Mathematics disciplines. There will be vacant space in the building when various departments move to the Bioscience Education Center, which makes it necessary to renovate this building to support new disciplines.

The current building layout is inappropriate for the Physics, Engineering, and Mathematics departments, which makes it necessary to renovate laboratory spaces, classrooms, and faculty and staff offices. This building also has outdated laboratory equipment, which does not properly support the new functions, and technological changes in teaching methods. Programmatic changes are necessary to prepare this building for these uses. The second phase of this project will deal with the renovation of the first floor. Overall growth at the Germantown Campus in combination with the transition to lab instruction for mathematics and engineering expansion has created the demand for additional academic space. Renovation for these disciplines co-locates them near the Bioscience Education Center, creating good programmatic synergy on the campus. Renovation of this facility is contingent on completion of the Biosciences Education Center.

Based on student interest, enrollment trends, existing and projected County and State workforce needs, and the teaching and learning strategies, including the final report of The Governor's Science Technology Engineering Mathematics Task Force, Investing in STEM to Secure Maryland's Future, the Germantown Campus will be well positioned to meet the needs of its students and the region. Design funding for this project will be requested in FY13.

### ESTIMATED SCHEDULE

Planning and Design is scheduled to be over a three year period beginning in FY13. Project construction is scheduled to be completed in the Summer of 2017.

### COST CHANGE

The FY13 State funding share of the Planning, Design, and Supervision cost element has been reduced by \$817,000. The County's contribution will not change, but now exceeds the historical 50/50 percent State/County share. This is not meant to set a precedent for future funding of other capital projects. Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. 856509) project.

### 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 2020 projected instructional space deficit of 42,069 NASF and a total space deficit anticipated to be 105,076 NASF. In addition, this project will position the College to address workforce shortages in the Science, Technology, Engineering, and Mathematics fields. This project will impact local and Maryland workforce shortages through educating students to fill technical jobs.

Relevant studies include the Collegewide Facilities Master Plan Update (9/10), the Renovation/Addition to Sciences & Applied Studies Building at Montgomery College Germantown Campus, Part 1, Part 2 (3/11), and the Collegewide Facilities Conditions Assessment Update (11/07).

### OTHER

FY13 Appropriation: \$4,529,000 Total; \$2,673,000 (G.O. Bonds), \$1,856,000 (State Aid).

FY14 Appropriation: \$0

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td>FY13</td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY13</td> <td style="text-align: right;">37,695</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td style="text-align: center;">0</td> </tr> </table>	Date First Appropriation	FY13	(\$000)	First Cost Estimate	FY13	37,695	Current Scope			Last FY's Cost Estimate		0	<p>Facility Planning: College (No. 886686)                      Bioscience Education Center (No. 056603)                      Energy Conservation: College (No. 816611)                      PLAR: College (No. 926659)</p>										
Date First Appropriation	FY13	(\$000)																					
First Cost Estimate	FY13	37,695																					
Current Scope																							
Last FY's Cost Estimate		0																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Appropriation Request</td> <td>FY13</td> <td style="text-align: right;">4,529</td> </tr> <tr> <td>Appropriation Request Est.</td> <td>FY14</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td style="text-align: center;">0</td> </tr> <tr> <td>Transfer</td> <td></td> <td style="text-align: center;">0</td> </tr> <tr> <td>Cumulative Appropriation</td> <td></td> <td style="text-align: center;">0</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td style="text-align: center;">0</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td style="text-align: center;">0</td> </tr> </table>	Appropriation Request	FY13	4,529	Appropriation Request Est.	FY14	0	Supplemental Appropriation Request		0	Transfer		0	Cumulative Appropriation		0	Expenditures / Encumbrances		0	Unencumbered Balance		0		
Appropriation Request	FY13	4,529																					
Appropriation Request Est.	FY14	0																					
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Unencumbered Balance		0																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Partial Closeout Thru</td> <td>FY10</td> <td style="text-align: center;">0</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY11</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td style="text-align: center;">0</td> </tr> </table>	Partial Closeout Thru	FY10	0	New Partial Closeout	FY11	0	Total Partial Closeout		0														
Partial Closeout Thru	FY10	0																					
New Partial Closeout	FY11	0																					
Total Partial Closeout		0																					

## Germantown Science & Applied Studies Phase 1-Renov -- No. 136600 (continued)

Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. 856509) project.

### **OTHER DISCLOSURES**

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

## 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

May 07, 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	13,144	0	0	6,572	0	0	0	0	0	6,572	6,572
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	59,141	0	0	0	0	0	0	0	0	0	59,141
Other	11,510	0	0	0	0	0	0	0	0	0	11,510
<b>Total</b>	<b>83,795</b>	<b>0</b>	<b>0</b>	<b>6,572</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,572</b>	<b>77,223</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	42,723	0	0	3,286	0	0	0	0	0	3,286	39,437
State Aid	41,072	0	0	3,286	0	0	0	0	0	3,286	37,786
<b>Total</b>	<b>83,795</b>	<b>0</b>	<b>0</b>	<b>6,572</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,572</b>	<b>77,223</b>

#### DESCRIPTION

This project provides funds for the design and construction 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 FY18, with construction expenditures starting Beyond six-years.

#### COST CHANGE

Increase due to final design costs and the programming of construction and furniture, fixtures, and equipment expenditures needed to outfit the new facility. Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. 856509) 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.

Relevant studies include the Collegewide Facilities Master Plan Update (9/10).

#### OTHER

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

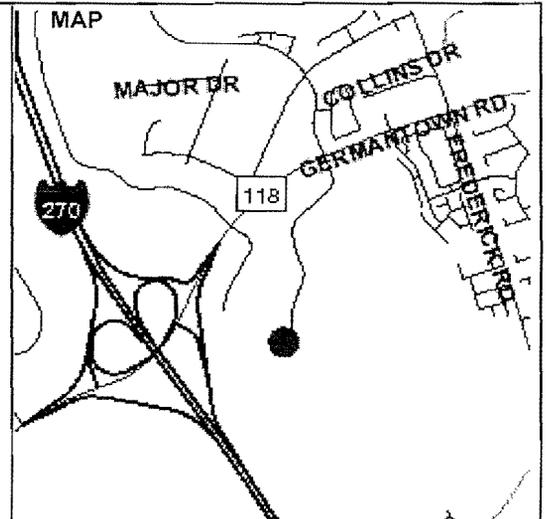
State share of project is based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

#### OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.
- 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	FY13	83,795
Last FY's Cost Estimate		7,844
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
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**  
Humanities and Social Sciences Building Renovation (CIP# 076615)  
Sciences and Applied Studies Building Alterations (CIP# 056605)



# Information Technology: College -- No. 856509

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

Date Last Modified  
 Required Adequate Public Facility  
 Relocation Impact  
 Status

**May 17, 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	15,549	15,255	294	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	22,275	18,541	734	3,000	500	500	500	500	500	500	0
Other	98,423	44,107	11,946	42,370	3,500	8,000	8,000	6,870	8,000	8,000	0
<b>Total</b>	<b>136,247</b>	<b>77,903</b>	<b>12,974</b>	<b>45,370</b>	<b>4,000</b>	<b>8,500</b>	<b>8,500</b>	<b>7,370</b>	<b>8,500</b>	<b>8,500</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

Current Revenue: General	66,817	22,680	6,487	37,650	2,870	7,458	7,483	6,459	6,681	6,699	0
Current Revenue: Recordation Tax	62,786	48,579	6,487	7,720	1,130	1,042	1,017	911	1,819	1,801	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>136,247</b>	<b>77,903</b>	<b>12,974</b>	<b>45,370</b>	<b>4,000</b>	<b>8,500</b>	<b>8,500</b>	<b>7,370</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/construction of College Information Technology (IT) systems including data, video, cybersecurity, software services, and voice applications; and associated cable systems, equipment closet, and IT space construction; and the replacement/upgrade of IT equipment to meet current requirements. The project also includes installation and furnishing of technology in classrooms, labs and offices. These IT systems support and enhance the College's instructional programs, student services including counseling, admissions, registration, etc., and administrative computing requirements for finance, human resources, institutional advancement, workforce development and continuing education, etc., and are implemented in accordance with the College's Information Technology Strategic Plan (ITSP). The Office of Information Technology (OIT) determines and recommends the hardware and software to be purchased based on project need. OIT is responsible for equipment purchases, monitoring of systems results, and providing assistance during implementation and on-going technology reviews and analysis. Four (4) staff positions are funded here.

### COST CHANGE

Reflects an FY13 reduction due to prior year carryover amounts, an FY16 reduction for fiscal capacity, and the addition of FY17-18 expenditures.

### JUSTIFICATION

To meet current and projected technical standards for data, video, and voice communications the College installs 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.

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 plans' three 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. 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.

### OTHER

The following fund transfers have been made from this project: \$1,300,000 to the Takoma Park Campus Expansion project (CIP No. 996662) (BOT Resol. #07-01-005, 1/16/2007); 300,000 to the Student Learning Support Systems project (CIP No. 076617). The following fund transfers have been made to this project: \$111,000 from the Planning, Design and Construction project (CIP No. 906605), and \$25,000 from the Facilities Planning: College project (CIP No. 886886) to this project (BOT Resol. #91-56, 5/20/1991); the project appropriation was reduced by \$559,000 in FY92.

FY2013 Appropriation: Total \$4,000,000; \$1,130,000 (Current Revenue: Recordation Tax), \$2,870,000 (Current Revenue: General)

FY2014 Appropriation: Total \$8,500,000; \$7,458,000 (Current Revenue: General), \$1,042,000 (Current Revenue: Recordation Tax).

### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

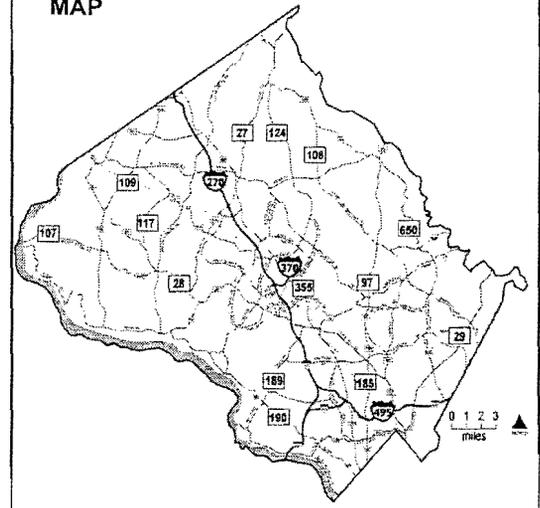
### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY85	(\$000)
First Cost Estimate	FY13	136,247
Current Scope		
Last FY's Cost Estimate		125,954
Appropriation Request	FY13	4,000
Appropriation Request Est.	FY14	8,500
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		90,877
Expenditures / Encumbrances		77,903
Unencumbered Balance		12,974
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

### COORDINATION

Information Technology (IT) Strategic Plan  
 New Building Construction projects  
 Campus Building Renovation projects

### MAP



# Instructional Furniture and Equipment: College -- No. 096601

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

Date Last Modified **May 03, 2012**  
 Required Adequate Public Facility **No**  
 Relocation Impact **None.**  
 Status **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	0	0	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	0	0	0	0	0	0	0	0	0	0	0
Other	2,640	720	300	1,620	270	270	270	270	270	270	0
<b>Total</b>	<b>2,640</b>	<b>720</b>	<b>300</b>	<b>1,620</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	2,640	720	300	1,620	270	270	270	270	270	270	0
<b>Total</b>	<b>2,640</b>	<b>720</b>	<b>300</b>	<b>1,620</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>0</b>

**DESCRIPTION**

This project provides funding for new and replacement instructional furniture and equipment to support academic programs, improve classroom and lab functionality, and upgrade equipment to meet instructional requirements. New and replacement furniture and equipment will be provided in classroom, laboratory, and/or instructional support settings. General instructional furniture includes such items as tables, chairs, stools, laboratory cabinetry, white boards, and other display boards, that typically occur in classrooms, labs, and instructional support spaces. Instructional equipment, for example, may include microscopes, autoclaves, weight equipment, pottery kilns, and other types of equipment used for teaching, experimentation, and/or research.

**COST CHANGE**

Increase due to the addition of FY17-18 to this on-going level of effort project, partially offset by a decreased six-year annual level of effort for fiscal reasons.

**JUSTIFICATION**

Instructional furniture and equipment necessary for classes and labs typically has a replacement cycle of 10 years or more depending upon level of usage. Existing furniture and equipment across the College is often outdated or inadequate, necessitating a major replacement effort. In addition, new instructional endeavors may also require the purchase of furniture and equipment to support the academic program. New and replacement instructional furniture and equipment is necessary to support the academic success of students and provide faculty with the tools for student learning.

Relevant studies include the Montgomery College Academic Master Plan, 1/2006.

**OTHER**

FY2013 Appropriation: \$270,000 (Current Revenue: General).

FY2014 Appropriation: \$270,000 (Current Revenue: General).

**OTHER DISCLOSURES**

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td style="text-align: center;">FY09</td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td style="text-align: center;">FY13</td> <td style="text-align: right;">2,640</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td style="text-align: right;">2,220</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Appropriation Request</td> <td style="text-align: center;">FY13</td> <td style="text-align: right;">270</td> </tr> <tr> <td>Appropriation Request Est.</td> <td style="text-align: center;">FY14</td> <td style="text-align: right;">270</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td style="text-align: right;">0</td> </tr> <tr> <td>Transfer</td> <td></td> <td style="text-align: right;">0</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Cumulative Appropriation</td> <td style="text-align: right;">1,020</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td style="text-align: right;">780</td> </tr> <tr> <td>Unencumbered Balance</td> <td style="text-align: right;">240</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Partial Closeout Thru</td> <td style="text-align: center;">FY10</td> <td style="text-align: right;">0</td> </tr> <tr> <td>New Partial Closeout</td> <td style="text-align: center;">FY11</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td style="text-align: right;">0</td> </tr> </table>	Date First Appropriation	FY09	(\$000)	First Cost Estimate	FY13	2,640	Current Scope			Last FY's Cost Estimate		2,220	Appropriation Request	FY13	270	Appropriation Request Est.	FY14	270	Supplemental Appropriation Request		0	Transfer		0	Cumulative Appropriation	1,020	Expenditures / Encumbrances	780	Unencumbered Balance	240	Partial Closeout Thru	FY10	0	New Partial Closeout	FY11	0	Total Partial Closeout		0	<p>Montgomery College Academic Master Plan, 1/2006</p>	
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Partial Closeout Thru	FY10	0																																							
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# Macklin Tower Alterations -- No. 036603

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Rockville

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

May 17, 2012  
No  
None.  
Under Construction

## 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	1,681	670	321	690	150	270	270	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	8,923	4,321	692	3,910	850	1,530	1,530	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10,604</b>	<b>4,991</b>	<b>1,013</b>	<b>4,600</b>	<b>1,000</b>	<b>1,800</b>	<b>1,800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	10,604	4,991	1,013	4,600	1,000	1,800	1,800	0	0	0	0
<b>Total</b>	<b>10,604</b>	<b>4,991</b>	<b>1,013</b>	<b>4,600</b>	<b>1,000</b>	<b>1,800</b>	<b>1,800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### DESCRIPTION

This project provides funding for major building infrastructure improvements to Macklin Tower including replacement of major mechanical, electrical, and plumbing systems and equipment; upgrade/replacement of life safety systems (fire alarm, emergency generator and sprinkler systems); upgrade/replacement of building elevators; and building access upgrades. The College completed a facilities condition assessment of the building in August 2002 that evaluated all building systems and related equipment and identified major repair and/or replacement requirements.

### ESTIMATED SCHEDULE

Project construction is scheduled to be completed in the Fall of 2015.

### JUSTIFICATION

Macklin Tower was constructed in 1971 and this thirty-year old facility is experiencing a progressive deterioration of building systems and major pieces of building equipment. It has now reached the point that addressing the problem of a deteriorating building infrastructure is beyond the scope of a maintenance effort and that building repairs are no longer adequate or cost effective. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The refurbishment and/or replacement of major building systems and related equipment will significantly extend the useful life of the building and correct safety and environmental problems. This project is coordinated with the College's FY02 supplemental appropriation request to the PLAR project (CIP #926659) to correct significant water and air infiltration problems with a failing exterior curtain wall framing system and a deteriorating sealant used on all of the building's windows. The College completed a building condition assessment in 2002 that provides a detailed evaluation of building deficiencies and initial cost estimates for major repairs, equipment replacements, and related improvements.

Schematic Design for Curtain Wall Remediation - Macklin Tower (5/25/01) and Curtain Wall and Building Envelope Investigation - Macklin Tower (3/16/01).  
Collegewide Facilities Condition Assessment (11/07) and Collegewide Facilities Master Plan Update (9/10).

### OTHER

The following fund transfer has been made from this project: \$400,000 to the Takoma Park Campus Expansion Project (# 996662) (BOT Resol. # 07-01-005, 01/16/07).

Funding Source: \$10,604,000 (G.O.Bonds).

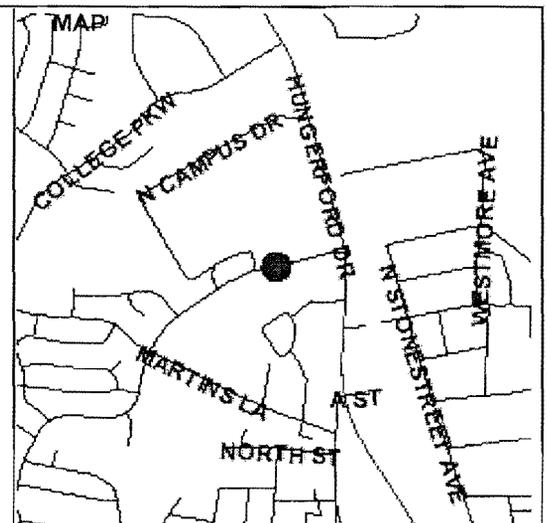
Note: The Library Renovation and Other (Furniture, Fixtures, and Equipment) costs are currently estimated at \$4.5 million, and \$500,000 respectively pending final design. These costs are not shown in the expenditure schedule.

### FISCAL NOTE

In December 2001, the County Council approved an FY02 supplemental capital budget appropriation of \$2,075,000 to the PLAR project (CIP #926659) to replace the building's exterior curtain wall to correct problems associated with a failing exterior curtain wall framing system and a deteriorating window sealant. The exterior curtain wall replacement was completed in spring 2003. An engineering evaluation of the building's fire alarm system and emergency generator was completed in August 2002 and a design/build replacement of this system and equipment was completed in summer 2003 for the tower. Mechanical and electrical equipment upgrades of floors 2-6 in the tower have been completed (2004/2005). The current focus is mechanical, electrical and plumbing upgrades for the ground floor, and FY09 and beyond will focus on the 3-story Library wing of the building.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY03	(\$000)
First Cost Estimate		
Current Scope	FY09	15,604
Last FY's Cost Estimate		10,604
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		10,604
Expenditures / Encumbrances		5,177
Unencumbered Balance		5,427
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

**COORDINATION**  
Energy Conservation: College (CIP No. 816611)  
Planned Lifecycle Asset Replacement: College (CIP No. 926659)  
Roof Replacement: College (CIP No. 876664)



# Network Infrastructure and Support Systems -- No. 076619

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

Date Last Modified  
 Required Adequate Public Facility  
 Relocation Impact  
 Status

**May 03, 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	5,132	2,351	2,781	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	733	732	1	0	0	0	0	0	0	0	0
Other	13,302	2,400	102	10,800	1,800	1,800	1,800	1,800	1,800	1,800	0
<b>Total</b>	<b>19,167</b>	<b>5,483</b>	<b>2,884</b>	<b>10,800</b>	<b>1,800</b>	<b>1,800</b>	<b>1,800</b>	<b>1,800</b>	<b>1,800</b>	<b>1,800</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	17,347	4,483	2,064	10,800	1,800	1,800	1,800	1,800	1,800	1,800	0
Current Revenue: Recordation Tax	1,820	1,000	820	0	0	0	0	0	0	0	0
<b>Total</b>	<b>19,167</b>	<b>5,483</b>	<b>2,884</b>	<b>10,800</b>	<b>1,800</b>	<b>1,800</b>	<b>1,800</b>	<b>1,800</b>	<b>1,800</b>	<b>1,800</b>	<b>0</b>
WorkYears					4.0	4.0	4.0	4.0	4.0	4.0	

#### DESCRIPTION

The purpose of this project is to provide for planned technology replacements and upgrades, and to establish and maintain network infrastructure and support systems both in existing and new locations based on the academic and instructional needs and requirements of the students and College community. The network infrastructure and support systems represent systems outside the College's Network Operating Center (NOC) structure, including campus cable distribution systems (conduit and wiring); campus centers for labs, classrooms, offices, and learning centers; and operation centers for telephony, communication, security, and notification systems. These network infrastructure and support systems refer to the organization of its various parts and their configurations and will enhance student learning and benefit the entire College community. These systems include servers, high speed connection systems, routers, hubs, ports, wireless access points, network protocols, network access methodologies, 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 (3) new project managers to oversee the design of new buildings and renovations (one for each campus) and one (1) position for collegewide communication and notification systems.

#### COST CHANGE

Increase due to the addition of FY17-18 to this on-going level of effort project, partially offset by a decreased six-year annual level of effort for fiscal reasons.

#### 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 Information Technology Strategic Plan (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 plans' three goals 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. The College's annually updated ITSP for FY11-FY13 supports the current IT program, 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.

#### OTHER

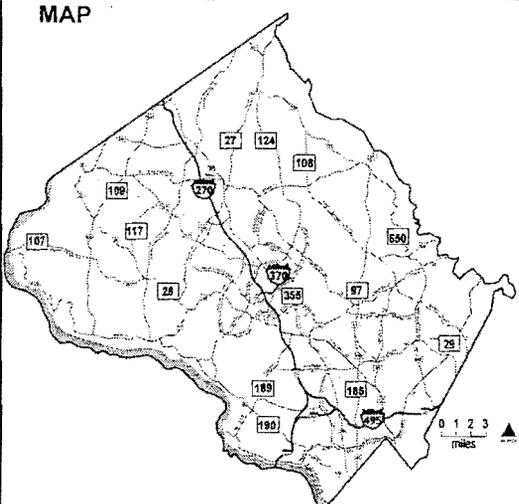
The following fund transfers/reductions have occurred with this project: By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$533,000 (Current Revenue: General) as part of the FY10 savings plan.

FY13 Appropriation: \$1,800,000 (Current Revenue: General).

FY14 Appropriation: \$1,800,000 (Current Revenue: General).

#### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td style="text-align: center;">FY07</td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td style="text-align: center;">FY13</td> <td style="text-align: right;">19,167</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td style="text-align: right;">16,367</td> </tr> </table>	Date First Appropriation	FY07	(\$000)	First Cost Estimate	FY13	19,167	Current Scope			Last FY's Cost Estimate		16,367	<p>Montgomery College Information Technology Strategic Plan: FY11-13</p>	
Date First Appropriation	FY07	(\$000)												
First Cost Estimate	FY13	19,167												
Current Scope														
Last FY's Cost Estimate		16,367												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Appropriation Request</td> <td style="text-align: center;">FY13</td> <td style="text-align: right;">1,800</td> </tr> <tr> <td>Appropriation Request Est.</td> <td style="text-align: center;">FY14</td> <td style="text-align: right;">1,800</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td style="text-align: right;">0</td> </tr> <tr> <td>Transfer</td> <td></td> <td style="text-align: right;">0</td> </tr> </table>	Appropriation Request	FY13	1,800	Appropriation Request Est.	FY14	1,800	Supplemental Appropriation Request		0	Transfer		0		
Appropriation Request	FY13	1,800												
Appropriation Request Est.	FY14	1,800												
Supplemental Appropriation Request		0												
Transfer		0												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Cumulative Appropriation</td> <td style="text-align: right;">8,367</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td style="text-align: right;">5,179</td> </tr> <tr> <td>Unencumbered Balance</td> <td style="text-align: right;">3,188</td> </tr> </table>	Cumulative Appropriation	8,367	Expenditures / Encumbrances	5,179	Unencumbered Balance	3,188								
Cumulative Appropriation	8,367													
Expenditures / Encumbrances	5,179													
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Partial Closeout Thru</td> <td style="text-align: center;">FY10</td> <td style="text-align: right;">0</td> </tr> <tr> <td>New Partial Closeout</td> <td style="text-align: center;">FY11</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td style="text-align: right;">0</td> </tr> </table>	Partial Closeout Thru	FY10	0	New Partial Closeout	FY11	0	Total Partial Closeout		0					
Partial Closeout Thru	FY10	0												
New Partial Closeout	FY11	0												
Total Partial Closeout		0												

## Network Operating Center -- No. 076618

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College**  
**Higher Education**  
**Montgomery College**  
**Silver Spring**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

May 17, 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	3,201	1,900	221	1,080	180	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	3,633	2,933	100	600	100	100	100	100	100	100	0
Other	16,420	2,936	3,164	10,320	1,720	1,720	1,720	1,720	1,720	1,720	0
<b>Total</b>	<b>23,254</b>	<b>7,769</b>	<b>3,485</b>	<b>12,000</b>	<b>2,000</b>	<b>2,000</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	13,611	7,286	530	5,795	0	1,795	0	0	2,000	2,000	0
Current Revenue: Recordation Tax	9,643	483	2,955	6,205	2,000	205	2,000	2,000	0	0	0
<b>Total</b>	<b>23,254</b>	<b>7,769</b>	<b>3,485</b>	<b>12,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>
WorkYears					2.0	2.0	2.0	2.0	2.0	2.0	

#### DESCRIPTION

The purpose of this project is to establish and maintain a Network Operating Center (NOC) on the Takoma Park/Silver Spring Campus and related central sites, and to provide for planned (lifecycle) technology replacements. The NOC houses the technology from which control is exercised over the College's instructional, academic, and administrative computing systems. This project also funds staff for monitoring security, cybersecurity, disaster recovery and redundant systems to help insure the integrity of the NOC. Two (2) staff positions are included in the project.

#### COST CHANGE

Increase due to the addition of FY17-18 to this on-going level of effort 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 complement within each campus center.

Information Technology Strategic Plan (ITSP): 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. The College's annually updated ITSP for FY11-FY13 supports the current IT program, 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.

#### OTHER

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

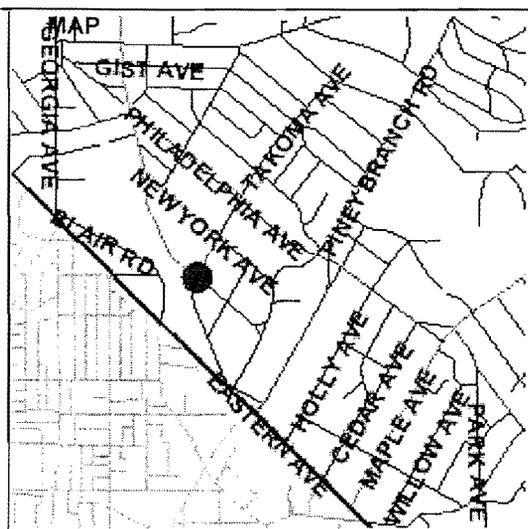
FY13 Appropriation: \$2,000,000 (Current Revenue: Recordation Tax).

FY14 Appropriation: Total \$2,000,000; \$1,795,000 (Current Revenue: General), \$205,000 (Current Revenue: Recordation Tax).

#### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA			COORDINATION	
Date First Appropriation	FY07	(\$000)	Cafritz Foundation Arts Center (CIP No. 056604) Computer Science Alterations (CIP No. 046602)	
First Cost Estimate				
Current Scope	FY13	23,254		
Last FY's Cost Estimate		19,254		
Appropriation Request	FY13	2,000		
Appropriation Request Est.	FY14	2,000		
Supplemental Appropriation Request		0		
Transfer		0		
Cumulative Appropriation		11,254		
Expenditures / Encumbrances		7,988		
Unencumbered Balance		3,266		
Partial Closeout Thru	FY10	0		
New Partial Closeout	FY11	0		
Total Partial Closeout		0		



# Planning, Design & Construction -- No. 906605

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery College  
Higher Education  
Montgomery College  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

May 09, 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	20,174	12,639	1,205	6,330	1,055	1,055	1,055	1,055	1,055	1,055	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	6,724	4,218	358	2,148	358	358	358	358	358	358	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>26,898</b>	<b>16,857</b>	<b>1,563</b>	<b>8,478</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	*

## FUNDING SCHEDULE (\$000)

Current Revenue: General	14,722	9,704	782	4,236	706	706	706	706	706	706	0
G.O. Bonds	12,176	7,153	781	4,242	707	707	707	707	707	707	0
<b>Total</b>	<b>26,898</b>	<b>16,857</b>	<b>1,563</b>	<b>8,478</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	0
WorkYears					15.0	15.0	15.0	15.0	15.0	15.0	

### DESCRIPTION

This project provides for fifteen full time positions in the Facilities Office. These positions plan, design, manage and implement the College's capital program which extends beyond the current six years. These fifteen positions are broken down into 3 categories: Project Management Staff, Design Staff, and Construction Staff.

The positions that are categorized as Project Management Staff are Project Managers (8), and Project Support Staff (1). The Project Managers are responsible for budget development, program planning, and project management through to completion. The Project Support Staff supports the goals of the Project Managers.

The positions that are categorized as Design Staff are Architect (1), Engineer (1), and Architectural Drafter/Designer (1). The final category is Construction Staff, which consists of a Construction Services Supervisor (1), and Construction Trades Workers (2), which are responsible for completing small, in-house construction projects.

### COST CHANGE

Increase due to the addition of FY17-18 to this on-going level of effort project, with \$150,000 of project acceleration in the prior to six year period.

### JUSTIFICATION

The above staff supports the increased work load associated with the College's CIP and complements the existing staff expertise. The College's CIP has increased substantially since the mid-1980s and the then existing staff could no longer support the additional projects.

### OTHER

The following fund transfers have been made from this project: \$111,000 to Information Technology (#856509) (BOT Resol. #91-56; \$400,000 to the Takoma Park Expansion project (#996662) (BOT Resol. #07-01-005, 1/16/07).

The following fund transfer has been made into this project: \$28,000 (\$7,000 each) from ADA Compliance (#936660), Energy Conservation (#816611), Facility Planning (#886686), PLAR (#926659) (BOT Resol. #01-153), and \$150,000 from the Takoma Park Campus Expansion (#996662) (BOT Resol.#11-06-078, 06-20-11).

During FY87-89, certain personnel costs were charged to individual capital projects. As some staff work is required on every capital project, separately identifying staff funding is an efficient and cost effective method of management for the College and provides a clear presentation of staff costs.

FY2013 Appropriation: \$1,413,000; \$707,000 (G.O. Bonds) and \$706,000 (Current Revenue: General).

FY2014 Appropriation: \$1,413,000; \$707,000 (G.O. Bonds) and \$706,000 (Current Revenue: General).

### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation		
(\$000)		
First Cost Estimate		
Current Scope	FY13 26,898	
Last FY's Cost Estimate	23,922	
Appropriation Request	FY13 1,413	
Appropriation Request Est.	FY14 1,413	
Supplemental Appropriation Request	0	
Transfer	0	
Cumulative Appropriation	18,420	
Expenditures / Encumbrances	17,521	
Unencumbered Balance	899	
Partial Closeout Thru	FY10 0	
New Partial Closeout	FY11 0	
Total Partial Closeout	0	

# Rockville Parking Garage -- No. 136601

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

Date Last Modified  
 Required Adequate Public Facility  
 Relocation Impact  
 Status

May 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	3,200	0	0	3,200	0	3,200	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	26,500	0	0	26,500	0	0	26,500	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>29,700</b>	<b>0</b>	<b>0</b>	<b>29,700</b>	<b>0</b>	<b>3,200</b>	<b>26,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	16,450	0	0	16,450	0	3,200	13,250	0	0	0	0
Revenue Authority	13,250	0	0	13,250	0	0	13,250	0	0	0	0
<b>Total</b>	<b>29,700</b>	<b>0</b>	<b>0</b>	<b>29,700</b>	<b>0</b>	<b>3,200</b>	<b>26,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### DESCRIPTION

This project provides design and construction funding for a 680 space parking garage on the Rockville Campus. The proposed 5 level parking garage will be located north of the Physical Education Building, and will be built on 120 existing parking spaces for a net gain of 580 spaces. The exposed north and west walls will be screened with plantings or architectural elements, while the south side will be adjacent to the PE addition.

### ESTIMATED SCHEDULE

Project construction is scheduled to be completed in the Fall of 2015.

### COST CHANGE

The project scope and schedule are new for the FY13-18 CIP.

### JUSTIFICATION

The Rockville Campus currently has 3,275 spaces but needs 6,428 spaces resulting in a deficit of 3,153 spaces (Fall 2010). This deficit is only expected to get worse within the next 10 years with an increase to 3,583 spaces. The parking deficit must be addressed, or this could adversely effect student enrollment at Montgomery College.

Related studies include the Collegewide Facilities Master Plan Update (09/10), and a Collegewide Parking Analysis Montgomery College Maryland, (Desman Associates, 3/06).

### OTHER

FY14 Appropriation: \$3,200,000 (G.O. Bonds).

### OTHER DISCLOSURES

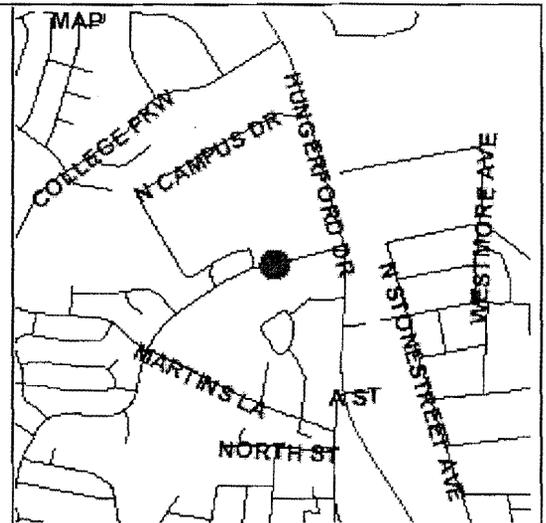
- A pedestrian impact analysis has been completed for this project.

### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY	(\$000)
First Cost Estimate		
Current Scope	FY13	29,700
Last FY's Cost Estimate		0
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	3,200
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

City of Rockville  
 Montgomery County Revenue Authority  
 Rockville Student Services Center (CIP #076604)



# 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

May 17, 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	10,373	0	0	10,373	3,456	3,458	3,459	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	48,210	0	0	48,210	0	0	2,000	24,784	21,426	0	0
Other	9,853	0	0	9,853	0	0	0	0	9,853	0	0
<b>Total</b>	<b>68,436</b>	<b>0</b>	<b>0</b>	<b>68,436</b>	<b>3,456</b>	<b>3,458</b>	<b>5,459</b>	<b>24,784</b>	<b>31,279</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	35,299	0	0	35,299	1,786	1,786	2,787	12,392	16,548	0	0
State Aid	33,137	0	0	33,137	1,670	1,672	2,672	12,392	14,731	0	0
<b>Total</b>	<b>68,436</b>	<b>0</b>	<b>0</b>	<b>68,436</b>	<b>3,456</b>	<b>3,458</b>	<b>5,459</b>	<b>24,784</b>	<b>31,279</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				250	0	0	0	0	0	250
<b>Net Impact</b>				<b>250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250</b>

#### DESCRIPTION

This project provides funds for the construction of a new student services center (approximately 126,000 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 three year design sequence starting in FY13. Project construction is scheduled to be completed in the Summer of 2017.

#### COST CHANGE

The FY13 State funding share of the Planning, Design, and Supervision cost element has been reduced by \$345,000. The County's contribution will not change, but now exceeds the historical 50/50 percent State/County share. This is not meant to set a precedent for future funding of other capital projects. Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. 856509) 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.

Relevant studies include the Collegewide Facilities Condition Assessment (11/07), and the Collegewide Facilities Master Plan Update (9/10).

#### OTHER

FY13 Appropriation: \$10,373,000 Total; \$5,359,000 (G.O. Bonds) and \$5,014,000 (State Aid).

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

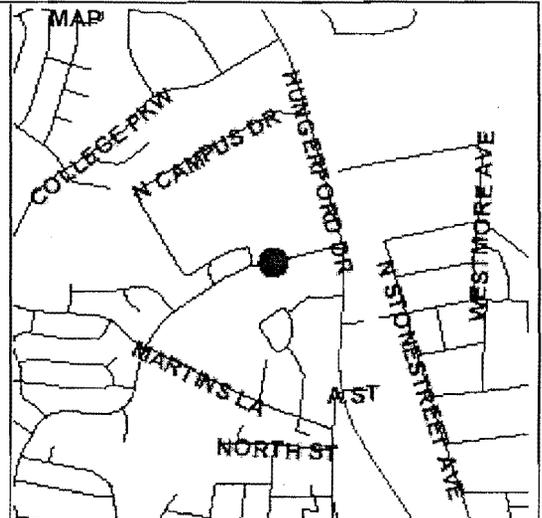
#### OTHER DISCLOSURES

- A pedestrian impact analysis will be performed during design or is in progress.
- 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	FY13	(\$000)
First Cost Estimate	FY13	68,436
Current Scope		
Last FY's Cost Estimate		6,600
Appropriation Request	FY13	10,373
Appropriation Request Est.	FY14	0
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

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

May 08, 2012  
 No  
 None.  
 Under Construction

### 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	2,853	2,412	441	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	24,475	85	9,000	15,390	15,390	0	0	0	0	0	0
Other	5,028	0	0	5,028	5,028	0	0	0	0	0	0
<b>Total</b>	<b>32,356</b>	<b>2,497</b>	<b>9,441</b>	<b>20,418</b>	<b>20,418</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

	Total	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
G.O. Bonds	19,003	2,497	4,941	11,565	0	0	0	0
State Aid	13,353	0	4,500	8,853	8,853	0	0	0
<b>Total</b>	<b>32,356</b>	<b>2,497</b>	<b>9,441</b>	<b>20,418</b>	<b>20,418</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 reinsulation and fireproofing in conformance with the local fire code.

**ESTIMATED SCHEDULE**

Project construction is scheduled to be completed in the Summer of 2013.

**COST CHANGE**

FY13 State aid for furniture, fixtures, and equipment was reduced by \$773,000. The County cost share has also been reduced by \$773,000.

**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.

Relevant studies include the Collegewide Facilities Condition Assessment (11/07), a Collegewide Facilities Master Plan Update (9/10), and the Part 1 and 2 Program submitted to the State for the Renovation/Addition to the Science East & Science West Buildings (5/06).

**OTHER**

FY13 Appropriation: \$5,028,000 Total; \$3,870,000 (G.O. Bonds) and \$1,158,000 (State Aid).

FY14 Appropriation: \$0.

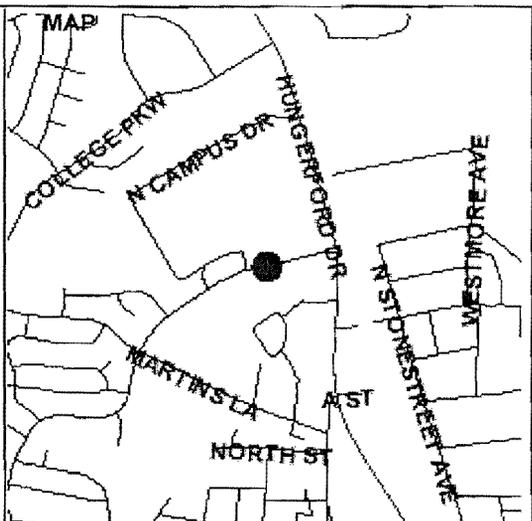
State share of project is based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement. Building renovation planning and design began in FY09 with building asbestos removal and renovation scheduled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

**OTHER DISCLOSURES**

- A pedestrian impact analysis has been completed for this project.
- 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	FY13	32,356
Last FY's Cost Estimate		33,752
Appropriation Request	FY13	5,028
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		27,328
Expenditures / Encumbrances		2,782
Unencumbered Balance		24,546
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

**COORDINATION**  
 Rockville Science Center (CIP No. 036600)  
 Science West Building Renovation (CIP No. 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

May 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	3,062	2,571	266	225	75	50	50	50	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	26,498	0	0	26,498	0	8,832	8,832	8,834	0	0	0
Other	5,455	0	0	5,455	0	0	0	5,455	0	0	0
<b>Total</b>	<b>35,015</b>	<b>2,571</b>	<b>266</b>	<b>32,178</b>	<b>75</b>	<b>8,882</b>	<b>8,882</b>	<b>14,339</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

	Total	FY11	FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
G.O. Bonds	18,746	1,556	266	16,924	75	4,466	4,466	7,917	0	0	0
State Aid	16,269	1,015	0	15,254	0	4,416	4,416	6,422	0	0	0
<b>Total</b>	<b>35,015</b>	<b>2,571</b>	<b>266</b>	<b>32,178</b>	<b>75</b>	<b>8,882</b>	<b>8,882</b>	<b>14,339</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

This project (total 62,982 GSF) provides for the realignment/renovation of space in the Science West Building (41,988 GSF), and for the addition of a third floor (20,994 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. The addition will add a third floor to the Science West building to provide additional classroom support to address instructional space deficits at the Rockville Campus. 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 re-fireproofing in conformance with the local fire code.

#### ESTIMATED SCHEDULE

Project construction is scheduled to be completed in the Fall of 2016.

#### COST CHANGE

Increase due to updated construction and furniture, fixtures, and equipment costs needed to outfit the renovated facility. Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. 856509) project.

#### 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.

Relevant studies include the Collegewide Facilities Condition Assessment (11/07), a Collegewide Facilities Master Plan Update (9/10), and the Part 1 and 2 Program documentation submitted to the State for the Renovation/Addition to the Science East & Science West Buildings (5/06).

#### OTHER

FY2013 Appropriation: \$0.

FY2014 Appropriation: \$26,498,000 total; \$13,249,000 (G.O.Bonds), \$13,249,000 (State Aid).

State share of project is 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.

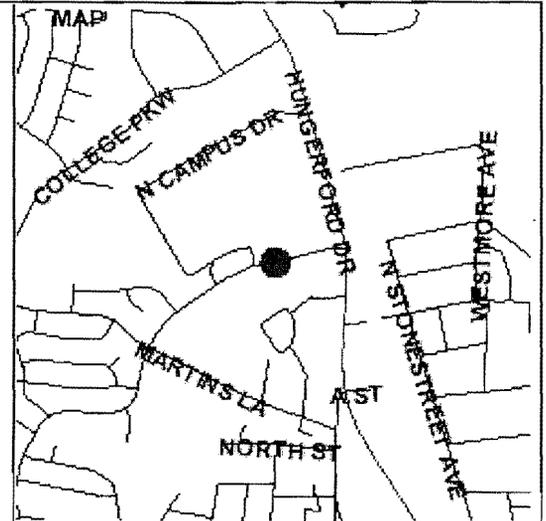
#### OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.
- 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	FY13	35,016
Current Scope		
Last FY's Cost Estimate		31,540
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	26,498
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,062
Expenditures / Encumbrances		2,571
Unencumbered Balance		491
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

#### COORDINATION

Rockville Science Center (CIP No. 036600)  
Science East Building Renovation (CIP No. 076623)



# Student Learning Support Systems -- No. 076617

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, 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	3,807	1,007	400	2,400	400	400	400	400	400	400	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	9,413	2,013	1,200	6,200	1,200	1,000	1,000	1,000	1,000	1,000	0
<b>Total</b>	<b>13,220</b>	<b>3,020</b>	<b>1,600</b>	<b>8,600</b>	<b>1,600</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

Current Revenue: General	12,858	2,720	1,538	8,600	1,600	1,400	1,400	1,400	1,400	1,400	0
Current Revenue: Recordation Tax	362	300	62	0	0	0	0	0	0	0	0
<b>Total</b>	<b>13,220</b>	<b>3,020</b>	<b>1,600</b>	<b>8,600</b>	<b>1,600</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>0</b>
WorkYears					4.0	4.0	4.0	4.0	4.0	4.0	

### DESCRIPTION

This project includes the installation, upgrading and replacement of technology systems used to support teaching and learning and to assess student outcomes and the effectiveness of MC services to students. This includes technology to support student with disabilities, technology based communications and collaborations with students, web based electronic evidence which demonstrates a student's abilities, resume software, access to course electronic materials and software anytime anywhere and identification security, and cybersecurity tools for these systems and other applications used by and for students and faculty, including both hardware and software. The project also funds four (4) technical project and planning analyst staff positions to manage applications systems, and to be in charge of the design, setup and maintenance of technical specifications and on-going review and update of the systems to stay current.

### COST CHANGE

Increase due to the addition of FY17-18 to this on-going level of effort project, partially offset by a decreased six-year annual level of effort for fiscal reasons.

### JUSTIFICATION

These systems help assure student success through technological support of academic and instructional programs and initiatives as well as allowing tracking of progress to assist in measuring outcomes and assessments. The College has growing needs to track students as part of the measurement of student success at the College. This is fundamental in measuring/documenting student success. The disability support services request is to address the special needs of students using adaptive technologies. Student e-mails allow the students to communicate better with the faculty and the other offices at the College and vice versa. Both e-portfolio and resume software will aid our students in finding employment.

Information Technology Strategic Plan (ITSP): FY2011-2013 - The plans' three goals 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. The College's annually updated ITSP for FY11-13 supports the current IT plan, 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.

### OTHER

The following fund reductions/transfers have occurred with this project: By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$1,000,000 (Current Revenue: General) as part of the FY10 savings plan; and \$300,000 was transferred from the Information Technology project (#856509) to this project in FY11.

FY2013 Appropriation: \$1,600,000 (Current Revenue: General).

FY2014 Appropriation: \$1,400,000 (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>FY07</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY13</td> <td>13,220</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>11,220</td> </tr> <tr> <td>Appropriation Request</td> <td>FY13</td> <td>1,600</td> </tr> <tr> <td>Appropriation Request Est.</td> <td>FY14</td> <td>1,400</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> <tr> <td>Cumulative Appropriation</td> <td></td> <td>4,620</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>3,209</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>1,411</td> </tr> <tr> <td>Partial Closeout Thru</td> <td>FY10</td> <td>0</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY11</td> <td>0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>0</td> </tr> </table>	Date First Appropriation	FY07	(\$000)	First Cost Estimate	FY13	13,220	Current Scope			Last FY's Cost Estimate		11,220	Appropriation Request	FY13	1,600	Appropriation Request Est.	FY14	1,400	Supplemental Appropriation Request		0	Transfer		0	Cumulative Appropriation		4,620	Expenditures / Encumbrances		3,209	Unencumbered Balance		1,411	Partial Closeout Thru	FY10	0	New Partial Closeout	FY11	0	Total Partial Closeout		0	<p>Montgomery College Information Technology Strategic Plan: FY11-13</p>	
Date First Appropriation	FY07	(\$000)																																										
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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

May 09, 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	11,804	0	0	4,448	0	0	0	0	0	4,448	7,356
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	59,020	0	0	0	0	0	0	0	0	0	59,020
Other	11,416	0	0	0	0	0	0	0	0	0	11,416
<b>Total</b>	<b>82,240</b>	<b>0</b>	<b>0</b>	<b>4,448</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,448</b>	<b>77,792</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	42,400	0	0	2,224	0	0	0	0	0	2,224	40,176
State Aid	39,840	0	0	2,224	0	0	0	0	0	2,224	37,616
<b>Total</b>	<b>82,240</b>	<b>0</b>	<b>0</b>	<b>4,448</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,448</b>	<b>77,792</b>

#### DESCRIPTION

This project provides funding for the design and construction of a new academic building (134,600 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 FY18, with construction expenditures starting Beyond 6 Years.

#### COST CHANGE

Increase due to updated design costs and the programming of construction. The current estimated cost, shown in the Beyond 6 Years column, for construction and other (furniture, fixtures, and equipment) is \$59,020,000 and \$11,416,000, respectively, pending completion of final design.

#### 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 Fall 2010 laboratory space deficit of 40,541 NASF and a total space deficit of 16,788 NASF. Even with the completion of the Takoma Park Campus Expansion Project and the Cafritz Foundation Art Center, the 2020 projected laboratory space deficit is 59,609 NASF and the total space deficit is anticipated to be 58,023 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.

Relevant studies include the Collegewide Facilities Condition Assessment (11/07), and the Collegewide Facilities Master Plan Update (9/10).

#### OTHER

Funding Sources: G.O. Bonds and State Aid

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

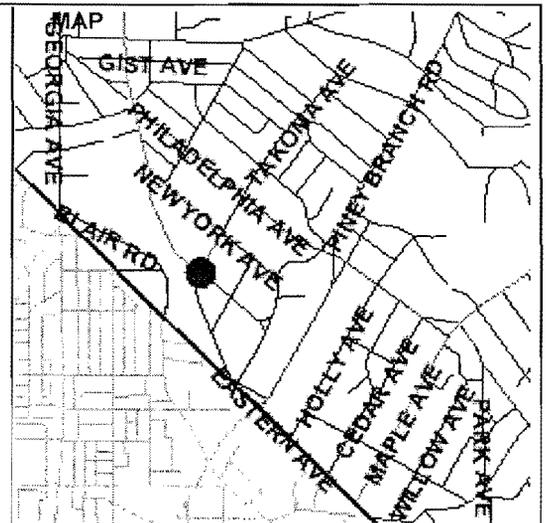
#### OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.
- 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	FY13	82,240
Current Scope		
Last FY's Cost Estimate		8,896
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
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

Facility Planning: College (CIP No. 886686)



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

The following capital projects are closed out effective July 1, 2012, and the appropriation for each project is decreased by the amount of that project's unencumbered balance.

<b>Project #</b>	<b>Project Name</b>
126600	Germantown Goldenrod Building Acquisition
996662	Takoma Park Campus Expansion

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

**Partial close out of the following capital projects is effective July 1, 2012**

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

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