

# **MONTGOMERY COLLEGE**

# ADA Compliance: College -- No. 936660

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College**  
**Higher Education**  
**Montgomery College**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**May 02, 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	92	73	7	12	2	2	2	2	2	2	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	225	225	0	0	0	0	0	0	0	0	0
Construction	1,086	748	50	288	48	48	48	48	48	48	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,403</b>	<b>1,046</b>	<b>57</b>	<b>300</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	1,403	1,046	57	300	50	50	50	50	50	50	0
<b>Total</b>	<b>1,403</b>	<b>1,046</b>	<b>57</b>	<b>300</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>0</b>

### DESCRIPTION

This project provides funding for modifications to College facilities to comply with the accessibility provisions of the Americans with Disability Act (ADA) of 1990. Typical modifications include: paths of travel, entrance doors, stairs, corridors, ramps, toilet facilities, drinking fountains, parking, curb cuts, elevators, areas of refuge, public phones, signage, emergency notification and alarm systems, and other accessibility modifications to meet comfort, security, and safety requirements for people with disabilities. This project addresses access deficiencies in all College facilities.

Project implementation is in accordance with ADA guidelines and the College's annual work program. The College has conducted a series of facility audits to determine ADA compliance and scope of required modification work, including estimated costs. Readily achievable modifications are implemented as part of the College's regular maintenance work.

### COST CHANGE

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

### JUSTIFICATION

The ADA requirements mandate a comprehensive effort to provide accessible programs and barrier free facilities to disabled persons. The deadline for compliance with the requirement to make the College's programs accessible was January 26, 1995; however, the law allows for additional time to comply if available resources are limited for structural and building modifications. Based on the College's annual work program and limited funding for ADA modifications, the College anticipates that the project will continue beyond the current six-year CIP.

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

### OTHER

The following fund transfer has been made from this project: \$7,000 to Planning, Design & Construction project (No. 906605) (BOT Resol. #01-153 - 10/15/01).

FY2013 Appropriation: \$50,000 (G.O. Bonds).

FY2014 Appropriation: \$50,000 (G.O. Bonds).

### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

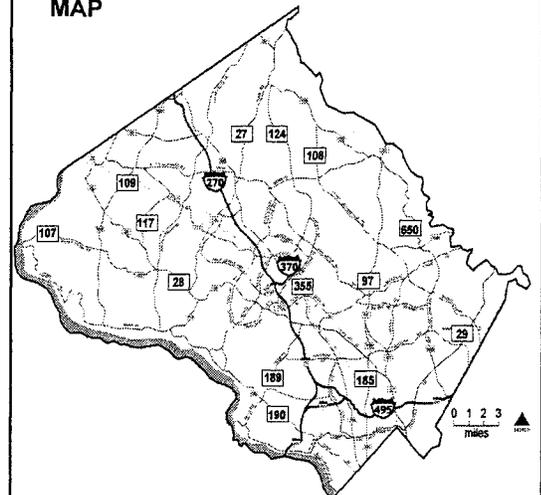
### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY93	(\$000)
First Cost Estimate		
Current Scope	FY13	1,403
Last FY's Cost Estimate		1,303
Appropriation Request	FY13	50
Appropriation Request Est.	FY14	50
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,103
Expenditures / Encumbrances		1,046
Unencumbered Balance		57
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

### COORDINATION

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

### MAP



# 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>
WorkYears					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).

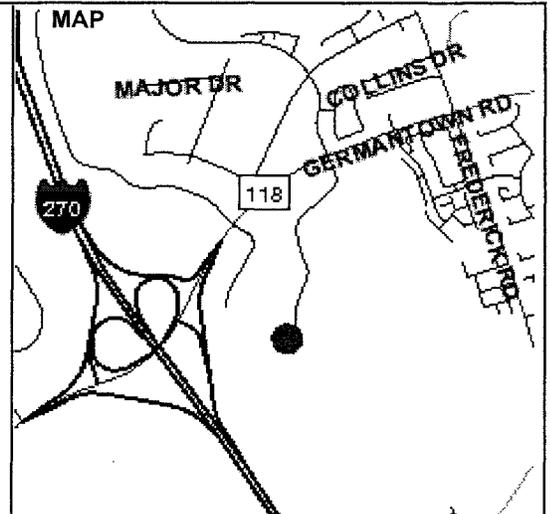
### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY05	(\$000)
First Cost Estimate	FY13	92,785
Current Scope		
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)

---

### **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.

# Capital Renewal: College -- No. 096600

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College**  
**Higher Education**  
**Montgomery College**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**May 02, 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	3,501	1,909	0	1,592	248	248	248	248	300	300	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	13,207	3,858	327	9,022	1,406	1,406	1,405	1,405	1,700	1,700	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16,708</b>	<b>5,767</b>	<b>327</b>	<b>10,614</b>	<b>1,654</b>	<b>1,654</b>	<b>1,653</b>	<b>1,653</b>	<b>2,000</b>	<b>2,000</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	16,708	5,767	327	10,614	1,654	1,654	1,653	1,653	2,000	2,000	0
<b>Total</b>	<b>16,708</b>	<b>5,767</b>	<b>327</b>	<b>10,614</b>	<b>1,654</b>	<b>1,654</b>	<b>1,653</b>	<b>1,653</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>

### DESCRIPTION

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

### COST CHANGE

Reduce GO Bond funding a total of -\$1,386,000 in FY13-16 for fiscal capacity and add FY17-18 to this on-going level of effort project.

### JUSTIFICATION

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

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

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

### OTHER

FY13 Appropriation: \$1,654,000 (G.O. Bonds).

FY14 Appropriation: \$1,654,000 (G.O. Bonds).

### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

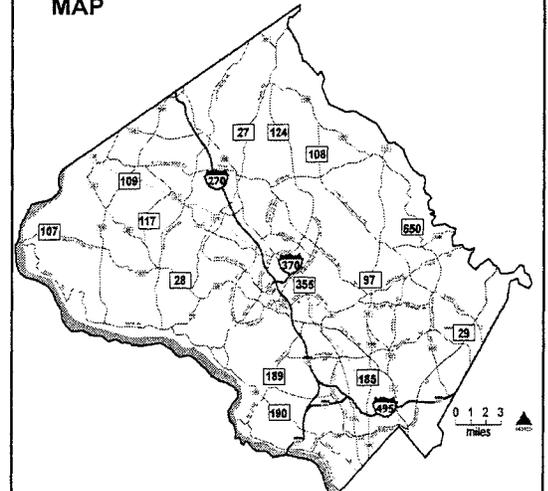
### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY09	(\$000)
First Cost Estimate		
Current Scope	FY13	16,708
Last FY's Cost Estimate		14,094
Appropriation Request	FY13	1,654
Appropriation Request Est.	FY14	1,654
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,094
Expenditures / Encumbrances		338
Unencumbered Balance		5,756
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)  
Planned Lifecycle Asset Replacement: College (CIP No. 926659)  
Roof Replacement: College (CIP No. 876664)  
Site Improvements: College (CIP No. 076601)

### MAP



# Computer Science Alterations -- No. 046602

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	150	77	23	50	25	25	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	1,084	418	0	666	366	300	0	0	0	0	0
Other	125	0	0	125	0	125	0	0	0	0	0
<b>Total</b>	<b>1,359</b>	<b>495</b>	<b>23</b>	<b>841</b>	<b>391</b>	<b>450</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	1,359	495	23	841	391	450	0	0	0	0	0
<b>Total</b>	<b>1,359</b>	<b>495</b>	<b>23</b>	<b>841</b>	<b>391</b>	<b>450</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

This project provides funding for (1) the renovation of the upper floor of the Computer Science Building to create new classrooms, a telecommunications room and offices, and (2) a 438-space surface parking lot at the Carver site across from the Rockville Campus. The Computer Science building is located on the Montgomery College - Rockville Campus at 51 Mannakee Street, Rockville, MD 20850.

#### ESTIMATED SCHEDULE

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

#### JUSTIFICATION

The Rockville Campus has a current (Fall 2010) instructional space deficit of 64,021 net square feet and a total space deficit of 268,459 net square feet. The College is experiencing ongoing enrollment growth and is faced with a shortage of classroom space. The network operating center (NOC), previously housed in the Computer Science Building, has relocated to the Cafritz Foundation Arts Center on the Takoma Park/Silver Spring Campus. The relocation of the NOC has freed up space in the Computer Science Building which is being converted to classrooms and offices. In addition to the shortage of classroom space, there is a similar shortage of parking spaces due to enrollment growth. The 438 space surface parking lot is complete, was opened for Fall 2006 classes, and will help alleviate some of that shortage.

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

#### OTHER

Funding Source: G.O. Bonds.

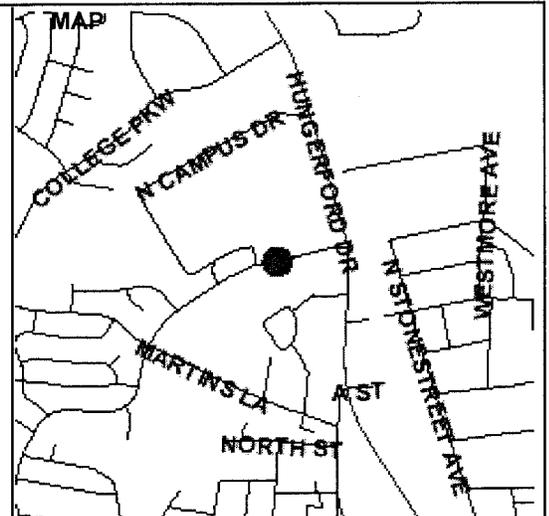
Renovation of the Computer Science Building was coordinated with the relocation of the NOC from the Computer Science Building on the Rockville Campus to the Cafritz Arts Center on the Takoma Park/Silver Spring Campus. As of FY10, the Takoma Park/Silver Spring Campus NOC is fully operational; renovation of the Rockville (former NOC) facility is scheduled to start construction in FY13, with completion planned for FY14.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY01	(\$000)
First Cost Estimate	FY01	1,359
Current Scope		
Last FY's Cost Estimate		1,359
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,359
Expenditures / Encumbrances		495
Unencumbered Balance		864
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

#### COORDINATION

Cafritz Foundation Arts Center (CIP No. 056604)  
Network Operating Center (CIP No. 076618)



# Elevator Modernization: College -- No. 056608

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College**  
**Higher Education**  
**Montgomery College**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**May 02, 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	553	401	20	132	132	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	3,421	2,098	300	1,023	523	500	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>3,974</b>	<b>2,499</b>	<b>320</b>	<b>1,155</b>	<b>655</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	3,974	2,499	320	1,155	655	500	0	0	0	0	0
<b>Total</b>	<b>3,974</b>	<b>2,499</b>	<b>320</b>	<b>1,155</b>	<b>655</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### DESCRIPTION

This project provides funding for the modernization and/or replacement of existing elevators on all three campuses. The Theatre Arts Building elevator on the Rockville Campus is currently in the process of being rebid due to unexpectedly high bids.

### COST CHANGE

Reduce GO Bond funding a total of -\$2,320,000 for fiscal capacity.

### JUSTIFICATION

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

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

### OTHER

Funding Source: G.O. Bonds.

### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

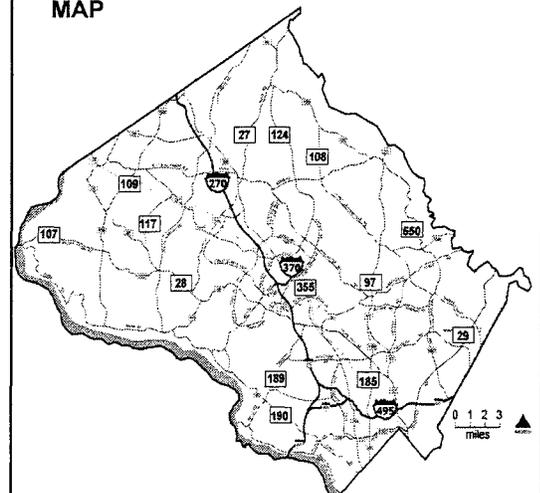
### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY03	(\$000)
First Cost Estimate		
Current Scope	FY13	3,974
Last FY's Cost Estimate		6,294
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,974
Expenditures / Encumbrances		2,499
Unencumbered Balance		1,475
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

### COORDINATION

This project is coordinated with the scheduled building renovations on the Rockville, Takoma Park/Silver Spring and Germantown Campuses.  
FY2013 – Theatre Arts Building (RV), Phase 4  
- Takoma Park/Silver Spring Elevator Study  
Site Improvements: College (CIP No. 076601)

### MAP



# Energy Conservation: College -- No. 816611

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College**  
**Higher Education**  
**Montgomery College**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**May 02, 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	1,909	1,671	88	150	25	25	25	25	25	25	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	59	59	0	0	0	0	0	0	0	0	0
Construction	3,068	2,368	100	600	100	100	100	100	100	100	0
Other	132	132	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,168</b>	<b>4,230</b>	<b>188</b>	<b>750</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

Current Revenue: General	1,994	1,994	0	0	0	0	0	0	0	0	0
Federal Aid	49	49	0	0	0	0	0	0	0	0	0
G.O. Bonds	3,074	2,136	188	750	125	125	125	125	125	125	0
State Aid	51	51	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,168</b>	<b>4,230</b>	<b>188</b>	<b>750</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>0</b>

## OPERATING BUDGET IMPACT (\$000)

Maintenance				-2,100	-300	-320	-340	-360	-380	-400
Energy				-5,610	-810	-860	-910	-960	-1,010	-1,060
<b>Net Impact</b>				<b>-7,710</b>	<b>-1,110</b>	<b>-1,180</b>	<b>-1,250</b>	<b>-1,320</b>	<b>-1,390</b>	<b>-1,460</b>

### DESCRIPTION

This project provides funding to (1) continue development of a Collegewide energy management program, (2) implement life-cycle cost effective energy conservation measures based upon energy audits, and (3) review new building/renovation designs for compliance with Montgomery County Code, Ch. 8 Building Energy Performance Standards. Typical project activities include retrofits and modifications of lighting, controls, and HVAC equipment; building envelope modifications; solar energy retrofits; computer equipment for equipment control and energy-use monitoring; HVAC system evaluation/balancing studies; long-range energy/utility planning studies; central plant design plans (Germantown, Rockville, Takoma Park/Silver Spring); and waste management studies. Typical payback on lighting, controls, HVAC and solar energy modifications is five to six years.

### COST CHANGE

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

### JUSTIFICATION

As mandated by Ch. 8 of the County Code and supported by the College, County Council, the Interagency Committee on Energy & Utility Management (ICEUM), and the Citizens Energy Conservation Advisory Committee (ECAC), an energy cost reduction program has been developed. This program consists of energy audits performed by College staff to identify life cycle cost effective retrofits, including a lighting retrofit program, LEED certification, etc.

### OTHER

FY2013 Appropriation: \$125,000 (G.O. Bonds).

FY2014 Appropriation: \$125,000 (G.O. Bonds).

The following fund transfers have been made from this project: \$21,420 to Central Plant Distribution System project (#886676) (BOT Resolution #90-102 (6/18/90)); \$70,000 to Fine Arts Renovation (#906601) (BOT Resolution #94-114 (9/19/94)), and \$7,000 to Planning, Design & Construction project (#906605) (BOT Resolution #01-153 (10/15/01)). Beginning in FY98, the portion of this project funded by County Current Revenues migrated to the College's Operating Budget. It is anticipated that migration of this portion of the project will promote a desirable consistency with County budgeting practices and encourage greater competition in an environment of scarce resources. Reflecting the migration of this portion of the project, the College's Operating Budget includes funds for this effort.

New construction and building renovation projects under review during FY12-13 include planning for new buildings on the Rockville and Germantown campuses. Campus utilities master plans are currently being updated to conform to the approved Facilities Master Plan Update (9/10). This project is also coordinated with the Collegewide Facilities Condition Assessment Update (11/07).

### APPROPRIATION AND EXPENDITURE DATA

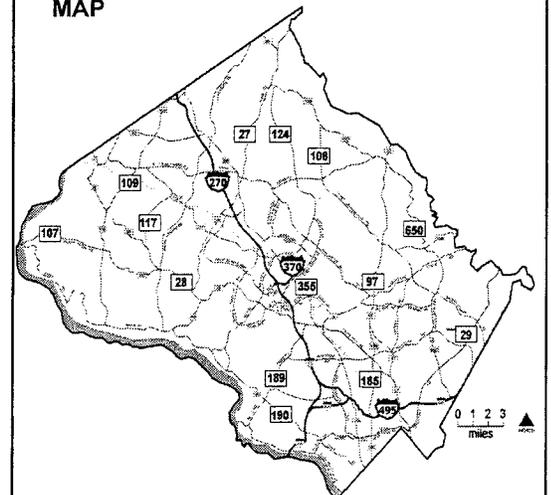
Date First Appropriation	FY81	(\$000)
First Cost Estimate		
Current Scope	FY13	5,168
Last FY's Cost Estimate		4,918
Appropriation Request	FY13	125
Appropriation Request Est.	FY14	125
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,418
Expenditures / Encumbrances		4,130
Unencumbered Balance		288
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

### COORDINATION

This project is coordinated with the scheduled building renovations, and the planned construction of new buildings, on the Rockville, Germantown, and Takoma Park/Silver Spring Campuses.  
ICEUM & ECAC

Facility Planning: College (CIP No. 886686)  
Planned Lifecycle Asset Replacement: College (CIP No. 926659)  
Roof Replacement: College (CIP No. 876664)

### MAP



## Energy Conservation: College -- No. 816611 (continued)

---

### OTHER DISCLOSURES

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

# 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.

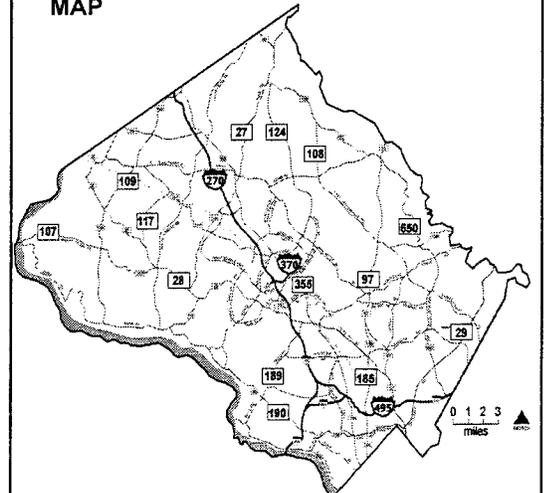
### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY88	(\$000)
First Cost Estimate	FY13	5,777
Current Scope		
Last FY's Cost Estimate		5,357
Appropriation Request	FY13	270
Appropriation Request Est.	FY14	270
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,157
Expenditures / Encumbrances		3,857
Unencumbered Balance		300
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

### COORDINATION

Collegewide Facilities Master Plan Update,  
FY12 -- Takoma Park/Silver Spring  
Communication Arts Center Building Study  
FY13 -- Germantown Student Services Center  
Part I/II as submitted to the State  
FY14 -- Takoma Park/Silver Spring Math and  
Science Center Part I/II as submitted to the  
State

### MAP



# Germantown Child Care Center -- No. 956645

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College**  
**Higher Education**  
**Montgomery College**  
**Germantown**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

May 09, 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	57	51	6	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	2,751	1,965	400	386	386	0	0	0	0	0	0
Other	162	0	82	80	80	0	0	0	0	0	0
<b>Total</b>	<b>2,970</b>	<b>2,016</b>	<b>488</b>	<b>466</b>	<b>466</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	2,920	1,966	488	466	466	0	0	0	0	0	0
Major Facilities Capital Projects Fund (MC only)	50	50	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2,970</b>	<b>2,016</b>	<b>488</b>	<b>466</b>	<b>466</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## OPERATING BUDGET IMPACT (\$000)

Maintenance				132	22	22	22	22	22	22
Energy				112	17	17	18	19	20	21
<b>Net Impact</b>				<b>244</b>	<b>39</b>	<b>39</b>	<b>40</b>	<b>41</b>	<b>42</b>	<b>43</b>

### DESCRIPTION

This project provides for the design and construction of a new child care center on the Germantown Campus. The 5,535 gross square foot facility with adjoining playground will be located on existing College property at 20200 Observation Drive, Germantown, MD 20874.

### ESTIMATED SCHEDULE

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

### COST CHANGE

Increase GO Bond funding \$400,000 via appropriation transfers. Expenditures increased due to reforestation conservation easement and access road alignment issues.

### JUSTIFICATION

This facility will replace the loss of the previous home of the center in two converted portable classrooms that were demolished in 1994 as part of the construction of the High Technology Instructional Center (CIP No. 886678). Prior plans to relocate the portable classrooms resulted in a determination by the County Fire Marshal that the existing facilities did not comply with, and could not be modified to comply with, the current building code regulating the construction of a child care facility. This determination necessitated the proposed construction of a new center. The new center supports the College's and the County's efforts to improve child care facilities and will allow for the provision of quality child care services for students, employees and the general public. Since September 1993, the Germantown Campus child care center has been temporarily located in a modified space on the ground floor of the Humanities & Social Sciences building.

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

### OTHER

Funding Source: G.O. Bonds.

Design has been completed.

The following fund transfers have been made to this project \$50,149 from the Goldenrod Renovation project (CIP No. 076624) (BOT Resolution #10-2-016 - 2/15/10); \$400,000 from the Rockville Science Center Project (CIP No. 036600) (BOT Resolution #11-06-077, 06/20/11).

### OTHER DISCLOSURES

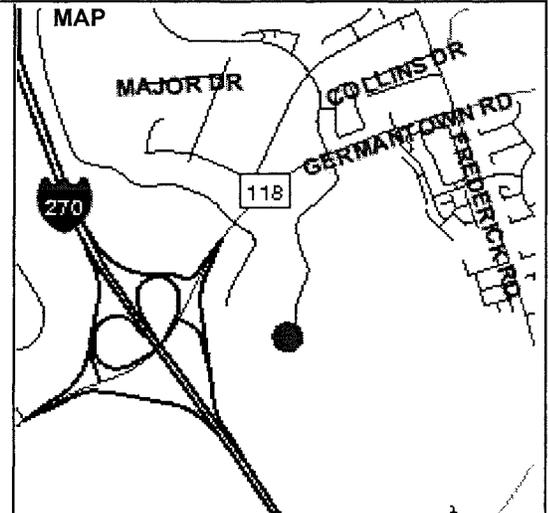
- A pedestrian impact analysis has been completed for this project.

### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY00	(\$000)
First Cost Estimate	FY13	2,970
Current Scope		
Last FY's Cost Estimate		2,570
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,970
Expenditures / Encumbrances		2,016
Unencumbered Balance		954
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

### COORDINATION

### MAP



# Germantown Observation Drive Reconstruction -- No. 096604

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

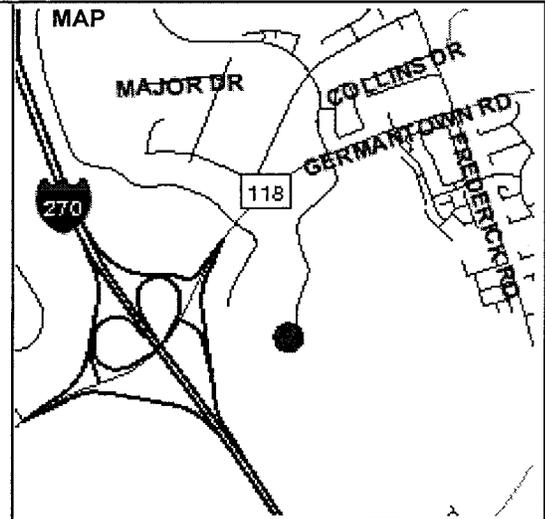
Related studies include the Collegewide Facilities Condition Assessment (11/07), and the Geotechnical Report for Observation Drive Pavement Assessment (5/07).

**OTHER**

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

APPROPRIATION AND EXPENDITURE DATA	
Date First Appropriation	FY09 (\$000)
First Cost Estimate	FY09 1,000
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**  
 Subcategory **Higher Education**  
 Administering Agency **Montgomery College**  
 Planning Area **Germantown**

Date Last Modified **May 09, 2012**  
 Required Adequate Public Facility **No**  
 Relocation Impact **None.**  
 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.

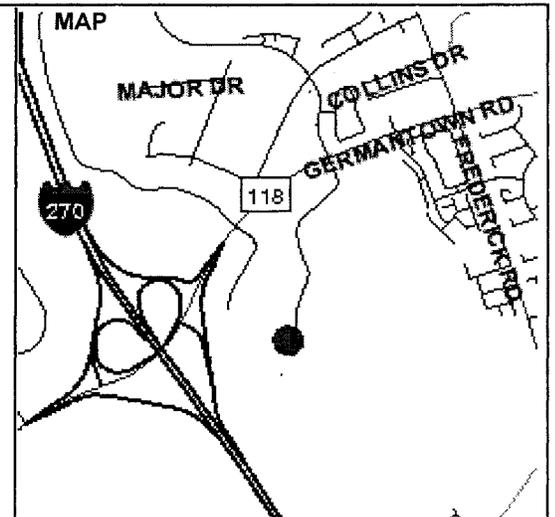
Relevant studies include the Collegewide Facilities Master Plan Update (9/10), the Renovation/Addition to Sciences & Applied Studies Building at Montgomery College Germantown Campus, Part 1, Part 2 (3/11), and the Collegewide Facilities Conditions Assessment Update (11/07).

#### 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		
Date First Appropriation	FY13	(\$000)
First Cost Estimate		
Current Scope	FY13	37,695
Last FY's Cost Estimate		0
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
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

**COORDINATION**  
 Facility Planning: College (No. 886686)  
 Bioscience Education Center (No. 056603)  
 Energy Conservation: College (No. 816611)  
 PLAR: College (No. 926659)



## **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 Science & Technology Pk. Infrastructure -- No. 096607

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College  
Higher Education  
Montgomery College  
Germantown**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**May 02, 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	665	0	362	303	303	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	2,217	0	0	2,217	2,017	200	0	0	0	0	0
Construction	500	500	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>3,382</b>	<b>500</b>	<b>362</b>	<b>2,520</b>	<b>2,320</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

Federal Aid	1,882	0	362	1,520	1,320	200	0	0	0	0	0
State Aid	1,500	500	0	1,000	1,000	0	0	0	0	0	0
<b>Total</b>	<b>3,382</b>	<b>500</b>	<b>362</b>	<b>2,520</b>	<b>2,320</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

This project provides design and construction funding for road and utility infrastructure plans for the Science and Technology Park, and for the Germantown Business Incubator. The Germantown Business Incubator is located at 20271 Goldenrod Lane in a commercial building adjacent to the Montgomery College campus. The Science and Technology Park is modeled after the County's Shady Grove Life Sciences Center (SGLSC). The Science and Technology Park is estimated to be a million square foot Business Park located on 40 acres of the Germantown campus.

The project is part of the Montgomery College Biotechnology Project, which encompasses two interrelated initiatives that are tied together through a unique approach to bioscience education and workforce development: (1) The Bioscience Education Center, a 126,900 gross square foot academic building featuring state-of-the-art science laboratories located on the Germantown Campus (CIP No. 056603); and (2) the Science and Technology Park, a million gross square foot business park adjacent to the Germantown campus. Construction of the Bioscience Education Center is a separately funded project in the College's FY11 Capital Budget and Capital Improvements Program.

#### ESTIMATED SCHEDULE

Project construction is scheduled to be completed in summer of 2013.

#### JUSTIFICATION

The Science and Technology Park Infrastructure Project aims to enhance Montgomery College's leading role in biosciences and technology. The proposed Science and Technology Park's location along the I-270 Corridor in Montgomery County Maryland, in the heart of "DNA Alley," provides strong assurance that it will be successful. It will enhance Maryland's and Montgomery County's reputation as a national leader in the provision of bioscience and technology opportunities.

Relevant studies include the Collegewide Facilities Master Plan Update (9/10), the Montgomery College Science & Technology Park Master Plan (05/06), and the Montgomery College Germantown Campus Site Planning Studies (03/06).

#### FISCAL NOTE

Funding Sources: Federal Aid, State Aid.

The Federal Aid is comprised of three grants: U.S. Small Business Administration - \$282,000 (complete as of 9/30/11), U.S. Department of Energy - \$1,435,000, and the U.S. Small Business Administration - \$165,072. The State Aid is funded through the Maryland Department of Economic Development, and totals \$1,500,000 (\$500,000 will be used for the Montgomery County Department of Economic Development for the Germantown Business Incubator Project).

#### OTHER DISCLOSURES

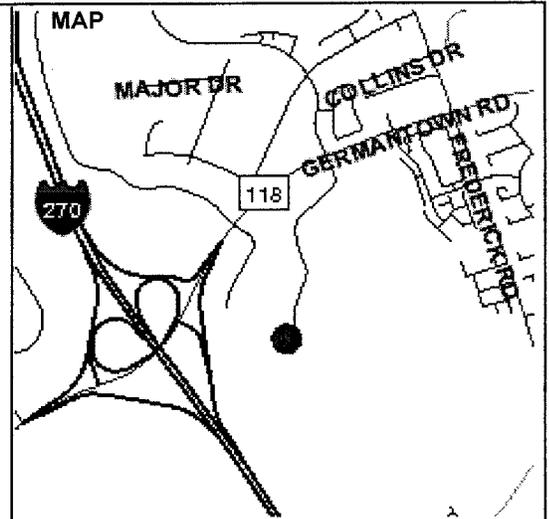
- Montgomery College asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY09	(\$000)
First Cost Estimate		
Current Scope	FY12	3,382
Last FY's Cost Estimate		3,382
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,382
Expenditures / Encumbrances		862
Unencumbered Balance		2,520
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

#### COORDINATION

Facility Planning: College (CIP No. 886686)  
Germantown Observation Drive Reconstruction (CIP No. 096604)  
Germantown Bioscience Education Center (CIP No. 056603)  
Montgomery County Department of Economic Development, Germantown Incubator Project  
U.S. Small Business Administration  
U.S. Department of Energy  
Maryland Department of Economic Development

#### MAP



# Germantown Student Services Center -- No. 076612

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College**  
**Higher Education**  
**Montgomery College**  
**Germantown**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

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.

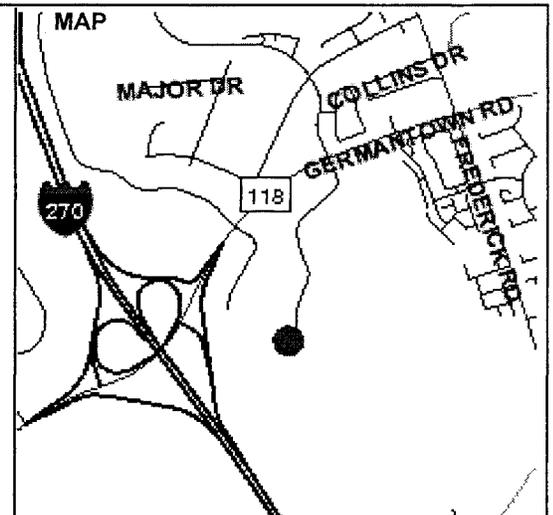
State share of project is based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

### 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	FY13	83,795
Current Scope		
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)



## Health Sciences Expansion -- No. 096603

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

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	478	425	5	48	48	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	4,298	2,244	1,354	700	700	0	0	0	0	0	0
Other	777	92	575	110	110	0	0	0	0	0	0
<b>Total</b>	<b>5,553</b>	<b>2,761</b>	<b>1,934</b>	<b>858</b>	<b>858</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	5,553	2,761	1,934	858	858	0	0	0	0	0	0
<b>Total</b>	<b>5,553</b>	<b>2,761</b>	<b>1,934</b>	<b>858</b>	<b>858</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

This project provides for the relocation of the Workforce Development & Continuing Education (WD&CE) program from the Health Sciences Center to the second floor of the Cafritz Foundation Arts Center. The south wing of the second floor of the Cafritz Foundation Arts Center was left unfinished during the recently completed building renovation. The renovation of the second floor will provide classroom, computer lab, and office space for WD&CE while allowing the back renovation of various spaces in the Health Sciences Center for the growing nursing and health sciences programs.

#### ESTIMATED SCHEDULE

Project construction is scheduled to be completed in the Fall of 2012.

#### JUSTIFICATION

The Takoma Park/Silver Spring Campus has a current (Fall 2010) instructional space deficit of 26,869 net square feet, and a total space deficit of 16,788 net square feet. The relocation of WD&CE will provide additional classroom, computer lab, and office space needed to support the functionality of this department. The relocation will also provide much needed instructional space for Nursing, and other Health Sciences programs. There were 280 applications received for the Nursing Program, but there were only 112 available spots for the Fall 2010 semester. In the last 2 years, there have been between 150 and 200 eligible students each semester, who were not accepted to the Nursing program. Since 2001, the Nursing program has doubled, and it is necessary to utilize additional space to accommodate this growth.

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

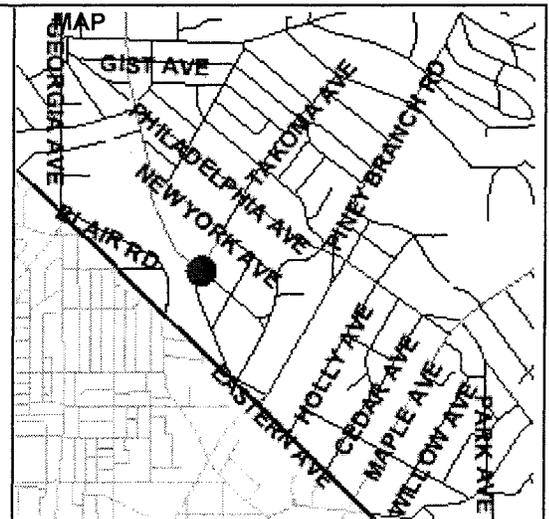
#### OTHER

Funding Source: G.O. Bonds.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY09	(\$000)
First Cost Estimate		
Current Scope	FY09	5,553
Last FY's Cost Estimate		5,553
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		5,553
Expenditures / Encumbrances		2,718
Unencumbered Balance		2,835
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

#### COORDINATION

The Cafritz Foundation Arts Center (CIP No. 056604)



# Information Technology: College -- No. 856509

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College**  
**Higher Education**  
**Montgomery College**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**May 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	

### 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.

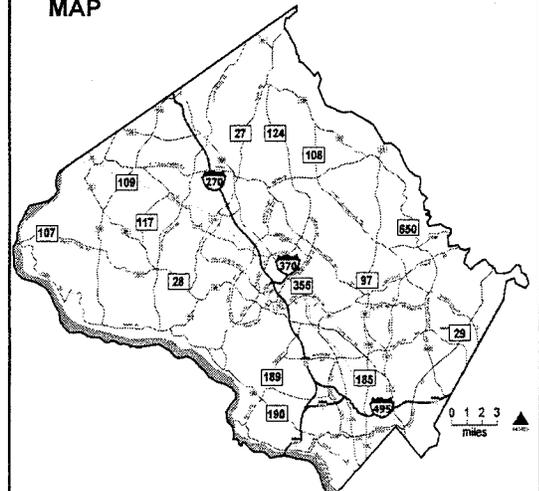
### APPROPRIATION AND EXPENDITURE DATA

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  
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	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	270
<b>Total</b>	<b>2,640</b>	<b>720</b>	<b>300</b>	<b>1,620</b>	<b>270</b>						

### FUNDING SCHEDULE (\$000)

Current Revenue: General	2,640	720	300	1,620	270	270	270	270	270	270	270
<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>FY09</td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td></td> <td></td> </tr> <tr> <td>Current Scope</td> <td>FY13</td> <td style="text-align: right;">2,640</td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td style="text-align: right;">2,220</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Appropriation Request</td> <td>FY13</td> <td style="text-align: right;">270</td> </tr> <tr> <td>Appropriation Request Est.</td> <td>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> <tr> <td colspan="3"> </td> </tr> <tr> <td>Cumulative Appropriation</td> <td></td> <td style="text-align: right;">1,020</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td style="text-align: right;">780</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td style="text-align: right;">240</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Partial Closeout Thru</td> <td>FY10</td> <td style="text-align: right;">0</td> </tr> <tr> <td>New Partial Closeout</td> <td>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			Current Scope	FY13	2,640	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>	
Date First Appropriation	FY09	(\$000)																																																			
First Cost Estimate																																																					
Current Scope	FY13	2,640																																																			
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																																																			

# Macklin Tower Alterations -- No. 036603

Category **Montgomery College**  
 Subcategory **Higher Education**  
 Administering Agency **Montgomery College**  
 Planning Area **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).

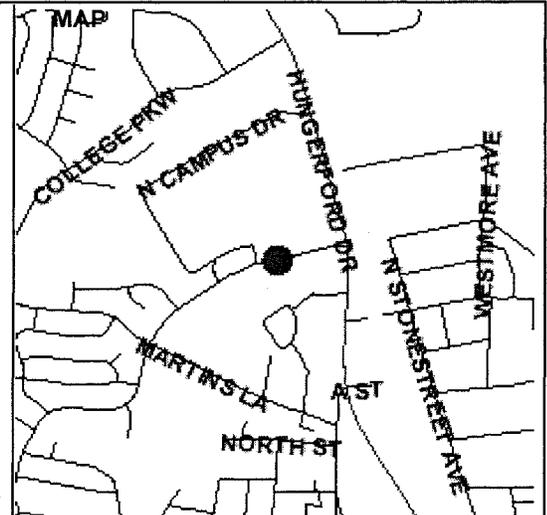
Note: The Library Renovation and Other (Furniture, Fixtures, and Equipment) costs are currently estimated at \$4.5 million, and \$500,000 respectively pending final design. These costs are not shown in the expenditure schedule.

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

**DESCRIPTION**

The purpose of this project is to provide 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.

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

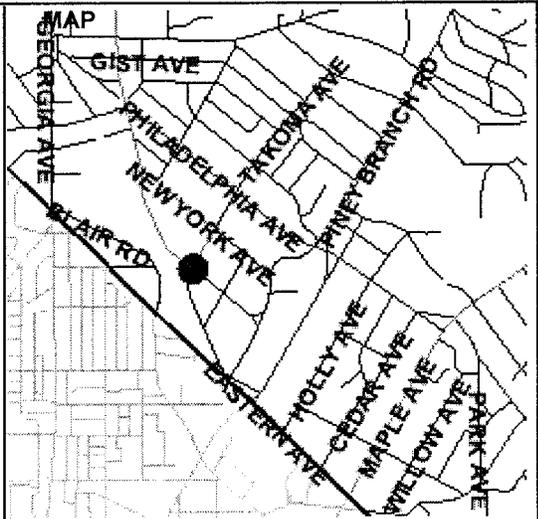
By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$146,000 (Current Revenue: General) as part of the FY10 savings plan.

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	FY13	23,254		
Current Scope				
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		

# Outdoor Athletic Facilities: College -- No. 076600

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College**  
**Higher Education**  
**Montgomery College**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**May 02, 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	80	30	25	25	25	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	320	0	120	200	100	100	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>400</b>	<b>30</b>	<b>145</b>	<b>225</b>	<b>125</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	400	30	145	225	125	100	0	0	0	0	0
<b>Total</b>	<b>400</b>	<b>30</b>	<b>145</b>	<b>225</b>	<b>125</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### DESCRIPTION

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

Note: This project has been merged to the Site Improvements: College project No. 076601.

### ESTIMATED SCHEDULE

Project construction is scheduled to be completed in summer of 2013.

### JUSTIFICATION

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

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

### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation FY07 (\$000)		
First Cost Estimate		
Current Scope FY11	400	
Last FY's Cost Estimate	400	
Appropriation Request FY13	0	
Appropriation Request Est. FY14	0	
Supplemental Appropriation Request	0	
Transfer	0	
Cumulative Appropriation	400	
Expenditures / Encumbrances	30	
Unencumbered Balance	370	
Partial Closeout Thru FY10	0	
New Partial Closeout FY11	0	
Total Partial Closeout	0	

# Planned Lifecycle Asset Replacement: College -- No. 926659

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

Date Last Modified **May 02, 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	4,526	1,672	454	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	50,422	19,440	9,382	21,600	3,600	3,600	3,600	3,600	3,600	3,600	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>54,948</b>	<b>21,112</b>	<b>9,836</b>	<b>24,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	1,940	1,940	0	0	0	0	0	0	0	0	0
G.O. Bonds	53,008	19,172	9,836	24,000	4,000	4,000	4,000	4,000	4,000	4,000	0
<b>Total</b>	<b>54,948</b>	<b>21,112</b>	<b>9,836</b>	<b>24,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>0</b>

**DESCRIPTION**

This project provides funding for a comprehensive lifecycle renewal and replacement program to protect the investment in College facilities and equipment and to meet current safety and environmental requirements. Funding also provides for project management staff and/or services. This collegewide project is targeted at deteriorating facilities and deferred maintenance of major building systems. This project includes: (1) HVAC system renovation/replacement; (2) major mechanical/plumbing equipment renovation/replacement; (3) interior and exterior lighting system renovation/replacements; (4) electrical service/switchgear renovation/replacement; (5) building structural and exterior envelope refurbishment; (6) asbestos removals not tied to building renovations; (7) major carpet replacement; (8) underground petroleum tank upgrades; and (9) site utility, and site infrastructure replacement/ improvements. Note: The Life Safety Systems project, (CIP No. 046601), has been merged into this project. This project also provides design and construction funding for the correction of life safety and fire code deficiencies identified in the Collegewide Facilities Condition Audit prepared by Vanderweil Facility Advisors (VFA). The scope of this project includes the installation and/or replacement of fire alarm systems, fire sprinkler systems, smoke control systems, emergency power systems, emergency lighting systems, public address systems, and similar equipment and operations.

**COST CHANGE**

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

**JUSTIFICATION**

In November 2007, the College updated a comprehensive building system/equipment assessment, including site utilities and improvements, that identified deficiencies, prioritized replacements and upgrades, and provided the framework for implementing a systematic capital renewal program to complement on-going preventive maintenance efforts. The College continues to have a significant backlog of major building systems and equipment renovations and/or replacements due to the age of the Campuses and deferral of major equipment replacement. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The renovation and/or replacement of major building systems, building components and equipment, and site improvements will significantly extend the useful life of the College's buildings and correct safety and environmental problems. The Collegewide Facilities Condition Assessment Update (11/07) identified a \$67 million deferred maintenance backlog for the three campuses. If additional financial resources are not directed at this problem, facilities will continue to deteriorate leading to higher cost renovations or building replacements. The Collegewide Facilities Condition Audit identified various life safety concerns on all three campuses. This project allows the College to address the concerns, replacing and/or installing appropriate life safety or fire code measures, and ensuring compliance with applicable life safety, fire, and building codes.

Other relevant plans and studies include the Collegewide Facilities Master Plan Update (9/10), and the County Council Report of the Infrastructure Maintenance Task Force (3/10).

**OTHER**

The following fund transfers have been made from this project: \$47,685 to Takoma Park Child Care Center (CIP No. 946657) (BOT Resol. #93-106, #94-26 & #94-28); \$185,000 to Rockville Surge Building (CIP No. 966665) (BOT Resol. #11-2291 - 1/21/97); \$7,000 to Planning, Design & Construction (CIP No. 906605) (BOT Resol. #01-153); \$91,175 to the Art Building Renovation Project (CIP No. 906608) (BOT Resol. # 06-09-106 - 9/18/06); and \$250,000 to the Takoma Park Expansion Project (CIP No. 996662) (BOT Resol. #07-01-005 - 1/16/07). The following fund transfers have been made into this project: \$15,000 from Central Plant Distribution System (CIP No. 886676) (BOT Resol. #98-82 - 6/15/98) and \$25,000 from Clean Air Act (CIP No. 956643) (BOT Resol. # 98-82 - 6/15/98). Beginning in FY98, the portion of this project funded by County Current Revenues migrated to the College's Operating Budget. Reflecting the migration of this portion of the project, the College's Operating Budget includes funds for this effort. The following fund transfer has been made from this project: \$67,000 to the Commons Building Renovation Project (CIP No. 056601) (BOT Resolution #10-08-057, 07/31/10).

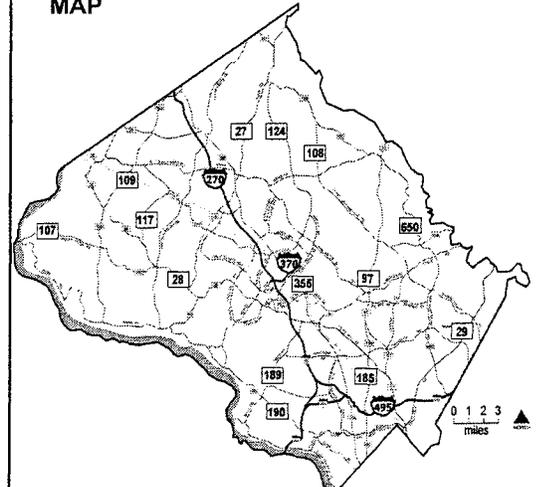
**APPROPRIATION AND EXPENDITURE DATA**

Date First Appropriation	FY93	(\$000)
First Cost Estimate	FY13	54,948
Current Scope		54,948
Last FY's Cost Estimate		46,948
Appropriation Request	FY13	4,000
Appropriation Request Est.	FY14	4,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		30,948
Expenditures / Encumbrances		21,185
Unencumbered Balance		9,763
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

**COORDINATION**

This project is coordinated with Utility Master Plans and building renovations on the Rockville, Germantown, and Takoma Park/Silver Spring Campuses; and the following projects:  
 Capital Renewal: College (CIP No. 096600)  
 Elevator Modernization: College (CIP No. 046600)  
 Energy Conservation: College (CIP No. 816611)  
 Facility Planning: College (CIP No. 886686)  
 Macklin Tower Alterations (CIP No. 036603)  
 Roof Replacement: College (CIP No. 876664)

**MAP**



## Planned Lifecycle Asset Replacement: College -- No. 926659 (continued)

---

FY2013 Appropriation: \$4,000,000 (G.O. Bonds).  
FY2014 Appropriation: \$4,000,000 (G.O. Bonds).

### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

# 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>	<b>*</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>	<b>0</b>
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	FY90	(\$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  
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.**  
**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).

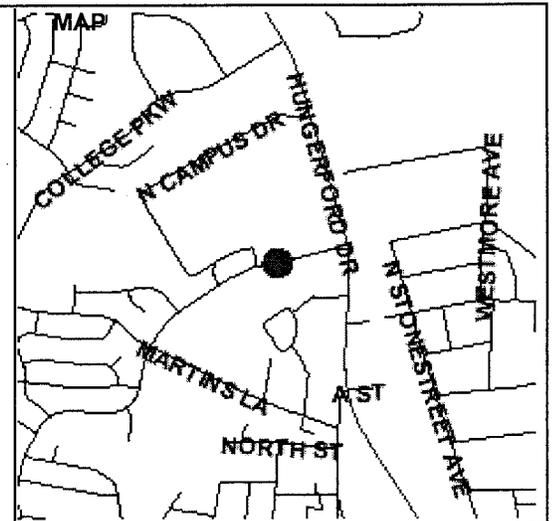
**OTHER DISCLOSURES**

- 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 Parking Lot and Tennis Court Relocation -- No. 096602

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	300	183	67	50	50	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	2,700	1,961	139	600	400	200	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>3,000</b>	<b>2,144</b>	<b>206</b>	<b>650</b>	<b>450</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	3,000	2,144	206	650	450	200	0	0	0	0	0
<b>Total</b>	<b>3,000</b>	<b>2,144</b>	<b>206</b>	<b>650</b>	<b>450</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**DESCRIPTION**

This project supports the relocation of the tennis courts and also to build a parking lot on the original location of the tennis courts, and related campus entrance requirements to offset the amount of parking spaces lost due to the construction of the Rockville Science Center. There is currently a parking space deficit at the Rockville Campus and the additional spaces are needed to meet the parking needs of College students.

**ESTIMATED SCHEDULE**

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

**JUSTIFICATION**

The Rockville Campus has a current (Fall 2009) parking space deficit of 3,262 spaces. The construction of the Rockville Science Center has increased this deficit, and alternate parking spaces are needed to meet the ongoing enrollment growth at the Rockville Campus.

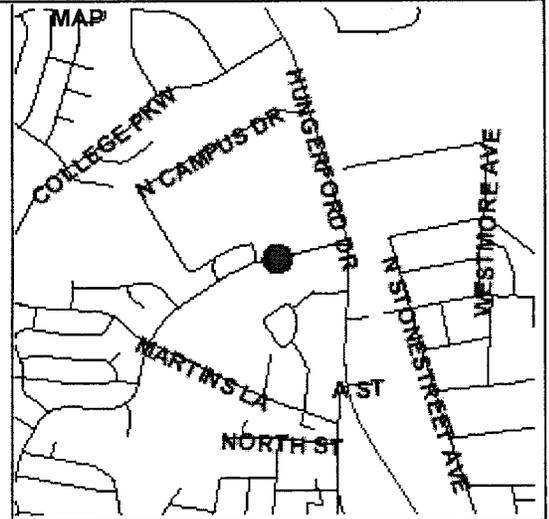
Related studies include the Collegewide Facilities Master Plan Update (9/10), and the Rockville Science Center Facilities Construction Program Part 1 and 2 (4/04).

**OTHER**

Funding Source: G.O. Bonds.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY09	(\$000)
First Cost Estimate		
Current Scope	FY09	3,000
Last FY's Cost Estimate		3,000
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,000
Expenditures / Encumbrances		2,189
Unencumbered Balance		811
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

**COORDINATION**  
 Rockville Science Center (CIP No. 036600)



# Rockville Science Center -- No. 036600

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.**  
**N/A**

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	6,492	6,350	142	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	56,300	56,151	49	100	100	0	0	0	0	0	0
Other	6,598	6,410	88	100	100	0	0	0	0	0	0
<b>Total</b>	<b>69,390</b>	<b>68,911</b>	<b>279</b>	<b>200</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

	Total	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
G.O. Bonds	34,695	34,456	139	100	100	0	0	0	0	0
State Aid	34,695	34,455	140	100	100	0	0	0	0	0
<b>Total</b>	<b>69,390</b>	<b>68,911</b>	<b>279</b>	<b>200</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Maintenance				6,990	1,165	1,165	1,165	1,165	1,165	1,165
Energy				4,018	591	620	652	684	718	753
<b>Net Impact</b>				<b>11,008</b>	<b>1,756</b>	<b>1,785</b>	<b>1,817</b>	<b>1,849</b>	<b>1,883</b>	<b>1,918</b>
WorkYears					21.0	21.0	21.0	21.0	21.0	21.0

#### DESCRIPTION

This project provides for the design and construction of a new science building (approx. 140,700 gsf) on the Rockville Campus to support Campus space needs and provide for an up-to-date science program in a modern facility that complies with current requirements. The new building is part of an overall plan that will provide a new home for the Chemistry, Biology and Physics departments (currently housed in Science East and Science West) while the Science East and Science West Buildings are renovated for other purposes.

#### COST CHANGE

Project costs decreased -\$4,900,000 for construction and the furniture, fixtures, and equipment needed to outfit the new facility; due to a favorable bidding climate in FY09, a thorough set of plans and specifications, and a qualified general contractor.

#### JUSTIFICATION

Under the application of the State space guidelines, the enrollment growth on the Rockville Campus has resulted in a significant instructional space deficit. The Rockville Campus has a current (Fall 2010) instructional space deficit of 111,985 NASF and a total space deficit of 313,788 NASF. With the construction of the new science center, the 2020 projected instructional space deficit will be 64,021 NASF and the total space deficit will be 268,459 NASF. Furthermore, the Science East and Science West Buildings no longer adequately house their respective science and mathematics programs due to poor space configurations, poor ventilation and restricted access. The new science center will address a portion of the Campus' space deficit along with providing a modern facility for up to date science instruction.

Related studies include the Collegewide Facilities Master Plan Update (9/10), and the Rockville Science Center Facility Program (5/04).

#### OTHER

The following fund transfers have been made from this project: \$400,000 to the Germantown Child Care Center project (No. 956645) (BOT Resol. #11-06-077, 06/20/11); \$4,500,000 to the Germantown Bioscience Education Center project (No. 056603) (BOT Resol. #12-01-07, 01/30/12).

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.

#### FISCAL NOTE

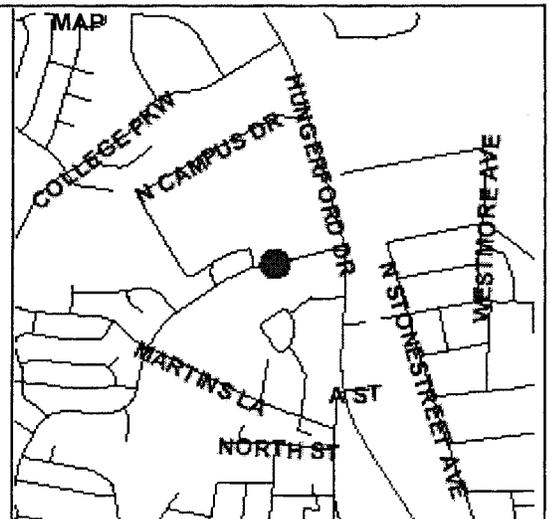
The State committed to \$2,056,000 of funding in FY07, or \$396,000 more than requested. The amount above the request was applied to costs beyond FY08. The State also committed to \$29,801,000 of funding in FY09 Planning, Design, and Supervision, and Construction costs.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY03	(\$000)
First Cost Estimate		
Current Scope	FY13	69,390
Last FY's Cost Estimate		74,290
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		-4,500
Cumulative Appropriation		69,390
Expenditures / Encumbrances		69,248
Unencumbered Balance		142
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)  
Science East Building Renovation (CIP No. 056610)  
Science West Building Renovation (CIP No. 056609)



## Rockville Science Center -- No. 036600 (continued)

---

### 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.

# 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)

	Total	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
G.O. Bonds	35,299	0	1,786	1,786	2,787	12,392	16,548	0
State Aid	33,137	0	1,670	1,672	2,672	12,392	14,731	0
<b>Total</b>	<b>68,436</b>	<b>0</b>	<b>3,456</b>	<b>3,458</b>	<b>5,459</b>	<b>24,784</b>	<b>31,279</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
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).

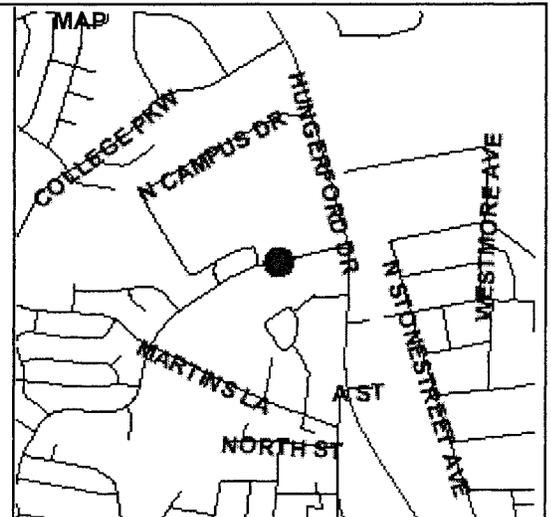
Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

#### 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	FY13	68,436
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)



# Roof Replacement: College -- No. 876664

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College**  
**Higher Education**  
**Montgomery College**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**May 02, 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	1,147	805	188	154	0	30	51	0	40	33	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	7,470	4,502	1,953	1,015	0	197	339	0	262	217	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8,617</b>	<b>5,307</b>	<b>2,141</b>	<b>1,169</b>	<b>0</b>	<b>227</b>	<b>390</b>	<b>0</b>	<b>302</b>	<b>250</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

Current Revenue: General	1,248	1,248	0	0	0	0	0	0	0	0	0
G.O. Bonds	6,166	2,856	2,141	1,169	0	227	390	0	302	250	0
State Aid	1,203	1,203	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8,617</b>	<b>5,307</b>	<b>2,141</b>	<b>1,169</b>	<b>0</b>	<b>227</b>	<b>390</b>	<b>0</b>	<b>302</b>	<b>250</b>	<b>0</b>

### DESCRIPTION

This project provides for the replacement/major repair of roofs and entrance canopies on buildings at all three campuses, including the addition of roof insulation as part of the replacement work. Project costs are based on comprehensive roof surveys of all College buildings completed in 2008. An update to this survey was conducted in 2010.

### COST CHANGE

Reduced GO Bond funding a total of -\$177,000 for fiscal capacity.

### JUSTIFICATION

The College has implemented a roof replacement/renovation program to respond to the aging of building roofs. The program provides for the periodic evaluation of roofs on a four year cycle. The current roof replacement/major repair schedule (2009) delineates specific building projects through FY16. This schedule was updated again in FY10. Roofs requiring major renovation are generally ten years or older in age. In the initial replacement cycle, approximately 33% of the construction cost is for the addition of roof insulation on each building. Added insulation results in an average five year payback due to reduced energy costs and lower replacement costs of mechanical equipment retrofits in building renovations. This project is coordinated with the College's building renovation program and with the replacement of major roof-top building equipment.

Related studies include the Collegewide Roof Surveys Update (9/09), a Collegewide Facilities Condition Assessment Update (11/07) and the Collegewide Facilities Master Plan Update (9/10).

### OTHER

By County Council Resolution #12-663, the cumulative project appropriation was reduced by \$65,000 in FY92. In addition, the State share was reduced by \$65,000 in FY92. FY87-FY91, and FY93 project funding was 100% current revenue. FY92 funding was current revenue and State aid. No appropriations were made to this project in FY94 and FY95. In FY96, funding was changed to G.O Bonds and State aid. State aid applies only to roof replacement design and construction. Roof surveys are 100% County G.O. Bond funded.

FY2013 Appropriation: \$0 (G.O. Bonds).

FY2014 Appropriation: \$227,000 (G.O. Bonds).

### OTHER DISCLOSURES

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

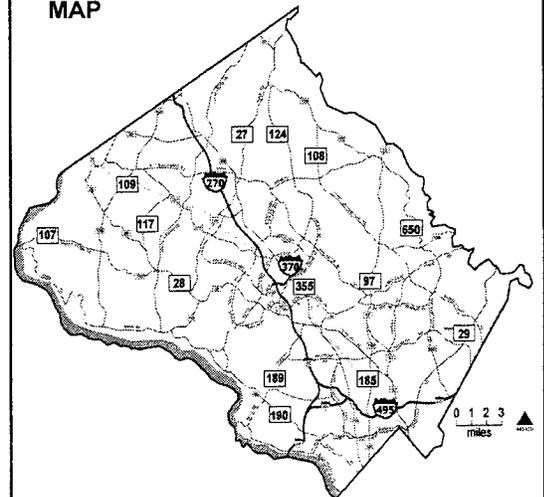
### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY87	(\$000)
First Cost Estimate		
Current Scope	FY13	8,617
Last FY's Cost Estimate		8,794
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	227
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		7,448
Expenditures / Encumbrances		5,468
Unencumbered Balance		1,980
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

### COORDINATION

Energy Conservation (CIP No. 816611)  
Planned Lifecycle Asset Replacement:  
College (CIP No. 926659)  
FY14 -- Art (RV), Physical Education (GT)  
FY15 -- Gudelsky Bldg. (RV)  
FY17 -- Collegewide Roof Surveys & Major Repairs

### MAP



# Science East Building Renovation -- No. 076623

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.  
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)

G.O. Bonds	19,003	2,497	4,941	11,565	11,565	0	0	0	0	0	0
State Aid	13,353	0	4,500	8,853	8,853	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>

### 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 refireproofing 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

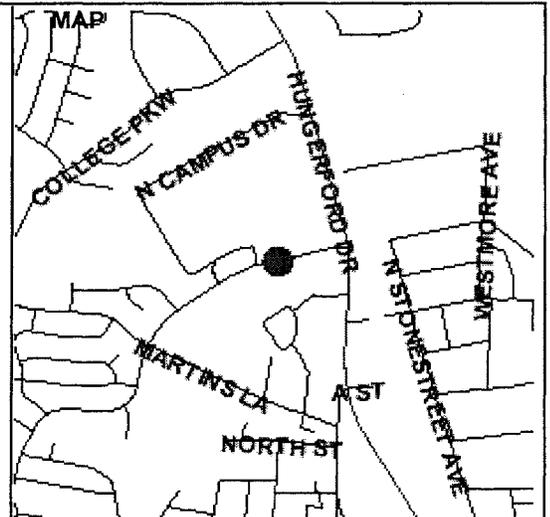
- A pedestrian impact analysis has been completed for this project.
- Montgomery College asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY09	(\$000)
First Cost Estimate	FY13	32,356
Current Scope		
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 **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.**  
**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)

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 re-insulation 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

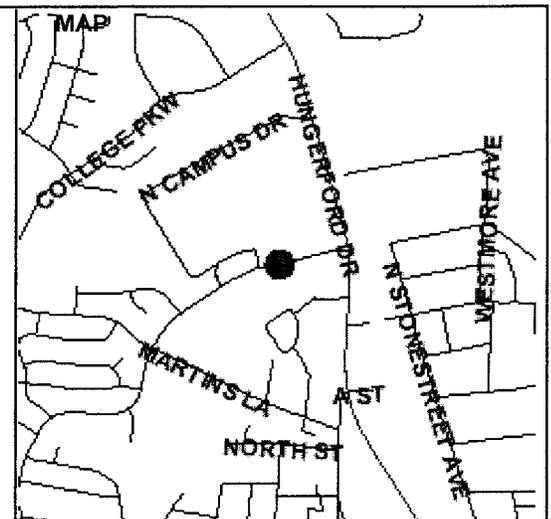
- A pedestrian impact analysis has been completed for this project.
- Montgomery College asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY09	(\$000)
First Cost Estimate		
Current Scope	FY13	35,016
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)



## Site Improvements: College -- No. 076601

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery College  
Higher Education  
Montgomery College  
Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**May 02, 2012  
No  
None.  
On-going**

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	2,234	1,252	142	840	140	140	140	140	140	140	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	12,645	5,947	3,818	2,880	480	480	480	480	480	480	0
Construction	650	89	81	480	80	80	80	80	80	80	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>15,529</b>	<b>7,288</b>	<b>4,041</b>	<b>4,200</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	1,000	1,000	0	0	0	0	0	0	0	0	0
G.O. Bonds	14,529	6,288	4,041	4,200	700	700	700	700	700	700	0
<b>Total</b>	<b>15,529</b>	<b>7,288</b>	<b>4,041</b>	<b>4,200</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>0</b>

**DESCRIPTION**

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

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

\*\* Note: In FY11, the Outdoor Athletics Facilities: College project (CIP No. 076600) was merged into this project.

**COST CHANGE**

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

**JUSTIFICATION**

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

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

**OTHER**

FY2013 Appropriation: \$700,000 (G.O. Bonds).

FY2014 Appropriation: \$700,000 (G.O. Bonds).

**OTHER DISCLOSURES**

- \* Expenditures will continue indefinitely.

**APPROPRIATION AND EXPENDITURE DATA**

Date First Appropriation	FY07	(\$000)
First Cost Estimate	FY12	15,529
Current Scope		
Last FY's Cost Estimate		14,129

Appropriation Request	FY13	700
Appropriation Request Est.	FY14	700
Supplemental Appropriation Request		0
Transfer		0

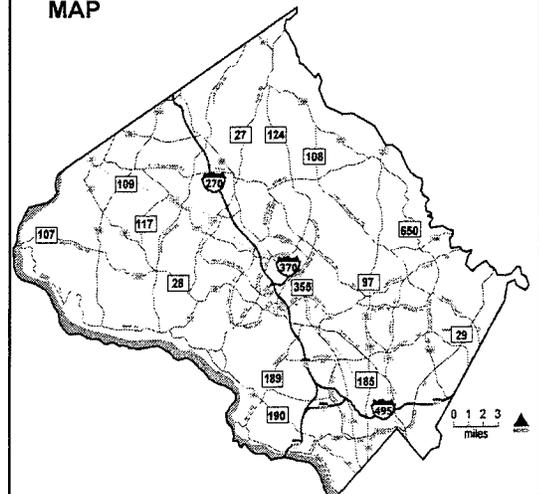
Cumulative Appropriation		11,329
Expenditures / Encumbrances		7,356
Unencumbered Balance		3,973

Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

**COORDINATION**

This project is coordinated with Utility Master Plans and building renovations on the Rockville, Germantown, and Takoma Park Silver Spring Campuses.  
Capital Renewal: College (CIP No. 096600)  
Elevator Modernization: College (CIP No. 056608)

**MAP**



# 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

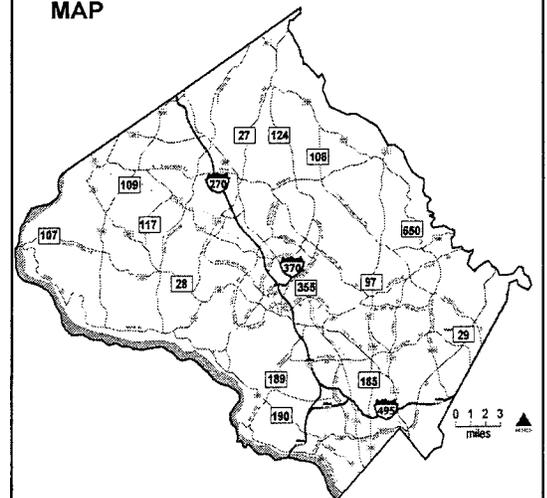
- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA		
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

### COORDINATION

Montgomery College Information Technology Strategic Plan: FY11-13

### MAP



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

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

Date Last Modified **May 09, 2012**  
 Required Adequate Public Facility **No**  
 Relocation Impact **None.**  
 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	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

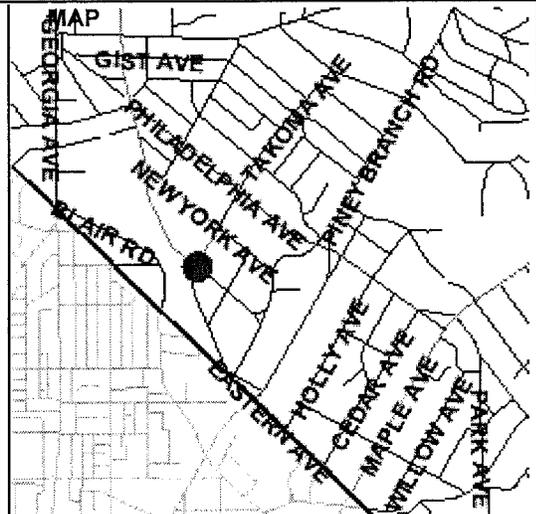
State share of project is based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

**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)



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

## Montgomery College

Project	Total	Thru FY11	Rem. FY12	6 Year Total	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6-yrs.	Approp.
<i>Higher Education</i>												
936660 ADA Compliance: College	1,403	1,046	57	300	50	50	50	50	50	50	0	50
056603 Bioscience Education Center	92,785	39,137	33,185	20,463	5,030	15,433	0	0	0	0	0	0
096600 Capital Renewal: College	16,708	5,767	327	10,614	1,654	1,654	1,653	1,653	2,000	2,000	0	1,654
*056601 Commons Renovation	9,012	8,999	13	0	0	0	0	0	0	0	0	0
046602 Computer Science Alterations	1,359	495	23	841	391	450	0	0	0	0	0	0
056608 Elevator Modernization: College	3,974	2,499	320	1,155	655	500	0	0	0	0	0	0
816611 Energy Conservation: College	5,168	4,230	188	750	125	125	125	125	125	125	0	125
886686 Facility Planning: College	5,777	3,857	300	1,620	270	270	270	270	270	270	0	270
956645 Germantown Child Care Center	2,970	2,016	488	466	466	0	0	0	0	0	0	0
*126600 Germantown Goldenrod Building Acquisition	16,000	0	16,000	0	0	0	0	0	0	0	0	0
096604 Germantown Observation Drive Reconstruction	1,000	0	100	900	100	400	400	0	0	0	0	0
136600 Germantown Science & Applied Studies Phase 1-Renov	37,695	0	0	37,695	1,509	1,510	3,510	12,256	18,910	0	0	4,529
096607 Germantown Science & Technology Pk. Infrastructure	3,382	500	362	2,520	2,320	200	0	0	0	0	0	0
076612 Germantown Student Services Center	83,795	0	0	6,572	0	0	0	0	0	6,572	77,223	0
096603 Health Sciences Expansion	5,553	2,761	1,934	858	858	0	0	0	0	0	0	0
856509 Information Technology: College	136,247	77,903	12,974	45,370	4,000	8,500	8,500	7,370	8,500	8,500	0	4,000
096601 Instructional Furniture and Equipment: College	2,640	720	300	1,620	270	270	270	270	270	270	0	270
*046601 Life Safety Systems: College	7,000	6,988	12	0	0	0	0	0	0	0	0	0
036603 Macklin Tower Alterations	10,604	4,991	1,013	4,600	1,000	1,800	1,800	0	0	0	0	0
076619 Network Infrastructure and Support Systems	19,167	5,483	2,884	10,800	1,800	1,800	1,800	1,800	1,800	1,800	0	1,800
076618 Network Operating Center	23,254	7,769	3,485	12,000	2,000	2,000	2,000	2,000	2,000	2,000	0	2,000
076600 Outdoor Athletic Facilities: College	400	30	145	225	125	100	0	0	0	0	0	0
926659 Planned Lifecycle Asset Replacement: College	54,948	21,112	9,836	24,000	4,000	4,000	4,000	4,000	4,000	4,000	0	4,000
906605 Planning, Design & Construction	26,898	16,857	1,563	8,478	1,413	1,413	1,413	1,413	1,413	1,413	0	1,413
136601 Rockville Parking Garage	29,700	0	0	29,700	0	3,200	26,500	0	0	0	0	0
096602 Rockville Parking Lot and Tennis Court Relocation	3,000	2,144	206	650	450	200	0	0	0	0	0	0
036600 Rockville Science Center	69,390	68,911	279	200	200	0	0	0	0	0	0	0
076604 Rockville Student Services Center	68,436	0	0	68,436	3,456	3,458	5,459	24,784	31,279	0	0	10,373
876664 Roof Replacement: College	8,617	5,307	2,141	1,169	0	227	390	0	302	250	0	0

\* Pending Close Out or Close Out

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

## Montgomery College

Project	Total	Thru		Rem.		6 Year		FY14	FY15	FY16	FY17	FY18	Beyond 6-yrs.	Approp.
		FY11	FY12	FY12	Total	FY13	FY14							
076623 Science East Building Renovation	32,356	2,497	9,441	20,418	20,418	0	0	0	0	0	0	0	0	5,028
076622 Science West Building Renovation	35,015	2,571	266	32,178	75	8,882	14,339	0	0	0	0	0	0	0
076601 Site Improvements: College	15,529	7,288	4,041	4,200	700	700	700	700	700	700	700	700	0	700
076617 Student Learning Support Systems	13,220	3,020	1,600	8,600	1,600	1,400	1,400	1,400	1,400	1,400	1,400	1,400	0	1,600
*996662 Takoma Park Campus Expansion	104,869	104,869	0	0	0	0	0	0	0	0	0	0	0	0
076607 Takoma Park/Silver Spring Math & Science Center	82,240	0	0	4,448	0	0	0	0	0	0	0	4,448	77,792	0
<b>Sub-Category Total</b>	<b>1,030,111</b>	<b>409,767</b>	<b>103,483</b>	<b>361,846</b>	<b>54,935</b>	<b>58,542</b>	<b>72,430</b>	<b>73,019</b>	<b>73,019</b>	<b>33,798</b>	<b>155,015</b>	<b>37,812</b>		
<b>Category Total</b>	<b>1,030,111</b>	<b>409,767</b>	<b>103,483</b>	<b>361,846</b>	<b>54,935</b>	<b>58,542</b>	<b>72,430</b>	<b>73,019</b>	<b>73,019</b>	<b>33,798</b>	<b>155,015</b>	<b>37,812</b>		

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

## Montgomery College

Funding Source	Total	Thru FY11	Rem. FY12	6 Year Total	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years	
<i>Higher Education</i>												
Current Revenue: General	140,154	57,832	12,001	70,321	7,516	13,699	11,929	10,905	13,127	13,145	0	
Current Revenue: Recordation Tax	75,911	51,662	10,324	13,925	3,130	1,247	3,017	2,911	1,819	1,801	0	
Federal Aid	1,931	49	362	1,520	1,320	200	0	0	0	0	0	
G.O. Bonds	480,736	184,830	43,563	172,730	28,213	31,209	32,219	33,672	34,075	13,342	79,613	
Major Facilities Capital Projects Fund (MC only)	1,664	1,664	0	0	0	0	0	0	0	0	0	
PAYGO	10,532	10,532	0	0	0	0	0	0	0	0	0	
Revenue Authority	29,250	0	16,000	13,250	0	0	13,250	0	0	0	0	
State Aid	289,933	103,198	21,233	90,100	14,756	12,187	8,707	24,942	23,998	5,510	75,402	
<b>Sub-Category Total</b>	<b>1,030,111</b>	<b>409,767</b>	<b>103,483</b>	<b>361,846</b>	<b>54,935</b>	<b>58,542</b>	<b>69,122</b>	<b>72,430</b>	<b>73,019</b>	<b>33,798</b>	<b>155,015</b>	
<b>Category Total</b>	<b>1,030,111</b>	<b>409,767</b>	<b>103,483</b>	<b>361,846</b>	<b>54,935</b>	<b>58,542</b>	<b>69,122</b>	<b>72,430</b>	<b>73,019</b>	<b>33,798</b>	<b>155,015</b>	
<b>CIP Total</b>	<b>1,030,111</b>	<b>409,767</b>	<b>103,483</b>	<b>361,846</b>	<b>54,935</b>	<b>58,542</b>	<b>69,122</b>	<b>72,430</b>	<b>73,019</b>	<b>33,798</b>	<b>155,015</b>	