

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

Resolution No.:	<u>18-143</u>
Introduced:	<u>May 21, 2015</u>
Adopted:	<u>May 21, 2015</u>

**COUNTY COUNCIL
FOR MONTGOMERY COUNTY, MARYLAND**

By: County Council

SUBJECT: Approval of Amendments to the Approved FY 2015- 2020 Capital Improvements Program, and Approval of and Appropriation for the FY16 Capital Budget of Montgomery College

Background

1. As required by the Education Article, Section 16-301 of the Maryland Code, the Board of Trustees sent to the County Executive and County Council an FY 2016 Capital Budget for Montgomery College. The Board also requested amendments to the Approved FY 2015-2020 Capital Improvements Program (CIP).
2. Section 302 of the County Charter requires the Executive to send to the Council by January 15 in each even-numbered calendar year a 6-year CIP, which the Executive did on January 15, 2014 for the 6-year period FY 2015-2020. Section 302 requires the affirmative vote of at least five Councilmembers to approve or modify the Executive's Recommended CIP. On May 22, 2014, the Council approved the College's CIP for FY 2015-2020 in Resolution 17-1104. After the Council approves a CIP, Section 302 permits the Council to amend it at any time with the affirmative vote of at least 6 Councilmembers.
3. Section 303 of the Charter requires the Executive to send to the Council by January 15 in each year a recommended Capital Budget, which the Executive did on January 15, 2015 for FY 2016. The Executive also sent to the Council his recommendations on amendments to the Approved FY 2015-2020 CIP.
4. On March 16, 2015 the Executive sent to the Council several additional recommended amendments to the Approved FY 2015-2020 CIP, and Council staff recommended several other potential amendments.
5. As required by Section 304 of the Charter, the Council held public hearings on February 24, April 14, 15, and 16, and May 12, 2015 on the Capital Budget for FY 2016 and on amendments to the Approved FY 2015-2020 CIP.

Action

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

1. For FY 2016, the Council approves the Capital Budget and appropriates the amounts by project which are shown in part I. The expenditure of funds for each item in the Capital Budget must comply with all restrictions and requirements in the project description form for that item, as the form is contained in the Approved CIP as amended by this resolution, and as the CIP is amended by the Council under Charter Section 302 after this resolution is adopted.
2. The Council reappropriates the appropriations made in prior years for all capital projects:
 - a) except as specifically reflected elsewhere in this resolution;
 - b) in the amounts and for the purposes specified in the approved CIP for FY 2015-2020; and
 - c) to the extent that those appropriations are not expended or encumbered.
3. The Council approves those projects shown in Part II as amendments to the Approved FY 2015-2020 CIP.
4. The County Council approves the close-out of projects in part III.
5. Any revenue which exceeds the amount estimated to be received from revenue sources other than County bonds must reduce the amount of bonds to be sold by the amount of the excess.
6. If a sign recognizing the contribution of any Federal, State, or local government or agency is displayed at any project for which funds are appropriated in this resolution, as a condition of spending those funds each sign must also expressly recognize the contribution of the County and the County's taxpayers.

This is a correct copy of Council action.



Linda M. Lauer, Clerk of the Council

PART I: FY2016 CAPITAL BUDGET FOR
Montgomery College

The appropriation for FY 2016 in this Part are made to implement the projects in the Capital Improvements Program for FY 2015 - 2020. When the total appropriation for a project includes State funds, the total appropriation for the project is contingent on the availability of funds from the State.

Project Title (Project #)	FY 16 Appropriation	Cumulative Appropriation	Total Appropriation
Site Improvements: College (P076601)	700,000	13,429,000	14,129,000
Student Learning Support Systems (P076617)	1,400,000	9,020,000	10,420,000
Network Operating Center (P076618)	2,000,000	20,554,000	22,554,000
Network Infrastructure and Support Systems (P076619)	1,800,000	12,967,000	14,767,000
Capital Renewal: College (P096600)	1,033,000	11,855,000	12,888,000
Instructional Furniture and Equipment: College (P096601)	270,000	1,830,000	2,100,000
Germantown Science & Applied Studies Phase 1-Renov (P136600)	30,840,000	4,529,000	35,369,000
Energy Conservation: College (P816611)	125,000	4,593,000	4,718,000
Information Technology: College (P856509)	7,370,000	108,627,000	115,997,000
Facility Planning: College (P886686)	270,000	4,967,000	5,237,000
Planning, Design & Construction (P906605)	1,484,000	22,730,000	24,214,000
Planned Lifecycle Asset Replacement: College (P926659)	2,700,000	41,648,000	44,348,000
ADA Compliance: College (P936660)	50,000	1,253,000	1,303,000
Collegewide Physical Education Renovations (P661602)	4,200,000	0	4,200,000
Montgomery College	54,242,000	258,002,000	312,244,000

PART I: FY2016 CAPITAL BUDGET FOR

Montgomery College

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Montgomery College	54,242,000	258,002,000	312,244,000

PART II: REVISED PROJECTS

The projects described in this section were revised from, or were not included among, the projects approved by the County Council as they appeared in the Approved FY 2015 - 2020 Capital Improvements Program (CIP) as of May 22, 2014. These projects are approved.

Capital Renewal: College (P096600)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Countywide

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	4,101	1,244	1,161	1,696	248	248	300	300	300	300	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	15,287	3,022	3,975	8,290	1,705	785	700	1,700	1,700	1,700	0
Other	500	0	0	500	500	0	0	0	0	0	0
Total	19,888	4,266	5,136	10,486	2,453	1,033	1,000	2,000	2,000	2,000	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	19,888	4,266	5,136	10,486	2,453	1,033	1,000	2,000	2,000	2,000	0
Total	19,888	4,266	5,136	10,486	2,453	1,033	1,000	2,000	2,000	2,000	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	1,033
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		11,855
Expenditure / Encumbrances		4,544
Unencumbered Balance		7,311

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 16
	19,888
Last FY's Cost Estimate	21,508
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

Description

This project provides funding for the capital renewal and major renovation of College facilities for new and changing College academic programs and student service 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., provide furniture, fixtures, and equipment; and update facilities to current building codes and regulations.

Cost Change

Decrease in FY16 and FY17 due to fiscal capacity.

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 (pending 11/13), and the Collegewide Facilities Master Plan Update (1/13), and Utilities Master Plan (5/06).

Other

FY15 Appropriation: \$1,653,000 (G.O. Bonds). FY16 Appropriation: \$1,033,000 (G.O. Bonds). The following budget reallocation is made to this project: \$800,000 from the Health Sciences Expansion project (P096603).

Disclosures

Expenditures will continue indefinitely.

Coordination

Energy Conservation: College (CIP No. P816611), Facility Planning: College (CIP No. P886686), Planned Lifecycle Asset Replacement: College (CIP No. P926659), Roof Replacement: College (CIP No. P876664), Site Improvements: College (CIP No. P076601)

Collegewide Physical Education Renovations (P661602)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Countywide

Date Last Modified: 10/13/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Preliminary Design Stage

Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	210	0	0	210	0	210	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	3,990	0	0	3,990	0	3,990	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
Total	4,200	0	0	4,200	0	4,200	0	0	0	0

FUNDING SCHEDULE (\$000s)

Major Facilities Capital Projects Fund (MC only)	4,200	0	0	4,200	0	4,200	0	0	0	0
Total	4,200	0	0	4,200	0	4,200	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	4,200
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	FY 16 4,200
Last FY's Cost Estimate	0

Description

This project provides funding for the renovation of physical education buildings on the Montgomery College's three campuses, specifically the Germantown Physical Education building, the Rockville Physical Education Center, and Takoma Park/Silver Spring Falcon Hall building. The College completed a facilities condition assessment of these buildings in December 2013 that evaluated all building systems and related equipment and identified major repair and/or replacement requirements.

Justification

The Germantown Physical Education building was constructed in 1980, and is 34 years old. The Rockville Physical Education Center was constructed in 1966, and is 48 years old. The Takoma Park/Silver Spring Falcon Hall building was constructed in 1978, and is 36 years. All three of these buildings are 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. The College completed a building condition assessment in 2013 that provides a detailed evaluation of building deficiencies and initial cost estimates for major repairs, equipment replacements, and related improvements. Related studies include: the Collegewide Master Plan Update (1/13), and the Collegewide Facilities Condition Assessment (12/13).

Other

FY16 Appropriation: \$4,200,000 (Major Facilities Capital Projects Fund-MC only).

Coordination

Energy Conservation: College (CIP No. P816611), Planned Lifecycle Asset Replacement: College (CIP No. P926659), Roof Replacement: College (CIP No. P876664).

Energy Conservation: College (P816611)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Countywide

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Planning, Design and Supervision	1,907	1,560	197	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	3,120	2,503	17	600	100	100	100	100	100	100	0
Other	132	131	1	0	0	0	0	0	0	0	0
Total	5,218	4,253	215	750	125	125	125	125	125	125	0

FUNDING SCHEDULE (\$000s)

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Current Revenue: General	2,074	1,994	0	80	0	16	16	16	16	16	0
Federal Aid	49	49	0	0	0	0	0	0	0	0	0
G.O. Bonds	3,044	2,159	215	670	125	109	109	109	109	109	0
State Aid	51	51	0	0	0	0	0	0	0	0	0
Total	5,218	4,253	215	750	125	125	125	125	125	125	0

OPERATING BUDGET IMPACT (\$000s)

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Energy				-6,210	-910	-960	-1,010	-1,060	-1,110	-1,160	
Maintenance				-2,340	-340	-360	-380	-400	-420	-440	
Net Impact				-8,550	-1,250	-1,320	-1,390	-1,460	-1,530	-1,600	
Full Time Equivalent (FTE)					0.0	1.0	1.0	1.0	1.0	1.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	125
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,593
Expenditure / Encumbrances		4,525
Unencumbered Balance		68

Date First Appropriation	FY 81
First Cost Estimate	
Current Scope	FY 15 5,218
Last FY's Cost Estimate	5,218
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

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. The FY16 request includes one new staff position for a Utility Analyst which is in response to increased workload associated with County Council Bill No. 2-14, Benchmarking, which was enacted by Council on April 14, 2014. Since there are sufficient funds within the request, additional County funds are not requested for this position.

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

Energy Conservation: College (P816611)

FY2015 Appropriation: \$125,000 (G.O. Bonds).

FY2016 Appropriation: \$125,000 (G.O. Bonds).

The following fund transfers have been made from this project: \$21,420 to Central Plant Distribution System project (#P886676) (BOT Resolution #90-102, 6/18/90); \$70,000 to Fine Arts Renovation (#P906601) (BOT Resolution #94-114, 9/19/94), \$7,000 to Planning, Design & Construction project (#P906605) (BOT Resolution #01-153, 10/15/01), and \$200,000 to Germantown Bioscience Education Center Project (#P056603)(BOT Resol. #12-06-036, 6/11/12). 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 FY14-15 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 (1/13). This project is also coordinated with the Collegewide Facilities Condition Assessment Update (pending 11/13).

Fiscal Note

A funding switch of \$16,000 in Current Revenue occurs in FY16 and beyond to support personnel cost that are more aligned with operating budget functions.

Disclosures

Expenditures will continue indefinitely.

Montgomery College (A15) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

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. P886686), Planned Lifecycle Asset Replacement: College (CIP No. P926659), Roof Replacement: College (CIP No. P876664)

Germantown Observation Drive Reconstruction (P096604)

Category	Montgomery College	Date Last Modified	11/17/14
Sub Category	Higher Education	Required Adequate Public Facility	No
Administering Agency	Montgomery College (AAGE15)	Relocation Impact	None
Planning Area	Germantown	Status	Final Design Stage

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	1,000	0	600	400	50	0	350	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
Total	1,000	0	600	400	50	0	350	0	0	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	1,000	0	600	400	50	0	350	0	0	0	0
Total	1,000	0	600	400	50	0	350	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,000
Expenditure / Encumbrances		0
Unencumbered Balance		1,000

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY09 1,000
Last FY's Cost Estimate	1,000

Description

This project funds the design for reconstruction of the existing main entrance road, and for signage at the Observation Drive at the MD-118 entrance 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 2017. The project schedule is delayed by two years due to delays in the production schedule.

Justification

During the Fall 2012 semester, 7,739 students attended the Germantown campus, which was an enrollment increase of 7.6% 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 (pending 11/13), and the Geotechnical Report for Observation Drive Pavement Assessment (5/07).

Other

Funding Source: G.O. Bonds.

Coordination

Site Improvements: College (CIP No. P076601)

Germantown Science & Applied Studies Phase 1-Renov (P136600)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Germantown

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	4,529	2,622	397	1,510	1,510	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	30,840	0	0	30,840	0	5,000	15,000	10,840	0	0	0
Other	5,020	0	0	5,020	0	0	0	5,020	0	0	0
Total	40,389	2,622	397	37,370	1,510	5,000	15,000	15,860	0	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	20,799	1,583	199	19,017	891	2,500	7,500	8,126	0	0	0
State Aid	19,590	1,039	198	18,353	619	2,500	7,500	7,734	0	0	0
Total	40,389	2,622	397	37,370	1,510	5,000	15,000	15,860	0	0	0

OPERATING BUDGET IMPACT (\$000s)											
Energy				315	0	0	0	100	105	110	
Maintenance				633	0	0	0	127	253	253	
Net Impact				948	0	0	0	227	358	363	
Full Time Equivalent (FTE)					0.0	0.0	0.0	4.0	4.0	4.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	30,840
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,529
Expenditure / Encumbrances		2,643
Unencumbered Balance		1,886

Date First Appropriation	FY 13
First Cost Estimate	
Current Scope	FY 16 40,389
Last FY's Cost Estimate	39,025

Description

This project provides for the realignment/renovation of space in the Science and Applied Studies building (65,015 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 29,330 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 Bioscience 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 was appropriated in FY13.

Estimated Schedule

Project construction is scheduled to be completed in the Winter of 2018. The project schedule is delayed by one year due to delays in the production schedule.

Cost Change

The cost of this project has increased to match the State's allowed cost escalation factor (4%).

Justification

Germantown Science & Applied Studies Phase 1-Renov (P136600)

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 2022 projected instructional space deficit of 132,252 NASF and a total space deficit anticipated to be 227,390 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 (1/13), 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 (pending 11/13),

Other

FY15 Appropriation: \$0

FY16 Appropriation: \$30,840,000 Total; \$15,420,000 (G.O. Bonds), \$15,420,000 (State Aid).

Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. P856509) project.

The construction costs in the expenditure schedule (\$30,840,000) include: site improvement costs (\$2,390,000), building construction costs (\$28,450,000). The building construction cost per gross square foot equals \$438 (\$28,450,000/65,015).

Disclosures

A pedestrian impact analysis has been completed for this project.

Montgomery College (A15) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Facility Planning: College (No. P886686), Bioscience Education Center (No. P056603), Energy Conservation: College (No. P816611), PLAR: College (No. P926659)

Germantown Student Services Center (P076612)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Germantown

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	14,082	0	0	14,082	0	0	0	0	2,972	11,110	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	63,354	0	0	0	0	0	0	0	0	0	63,354
Other	10,986	0	0	0	0	0	0	0	0	0	10,986
Total	88,422	0	0	14,082	0	0	0	0	2,972	11,110	74,340

FUNDING SCHEDULE (\$000s)

G.O. Bonds	44,423	0	0	7,041	0	0	0	0	1,486	5,555	37,382
State Aid	43,999	0	0	7,041	0	0	0	0	1,486	5,555	36,958
Total	88,422	0	0	14,082	0	0	0	0	2,972	11,110	74,340

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	
First Cost Estimate	
Current Scope	FY 16 88,422
Last FY's Cost Estimate	89,716

Description

This project provides funds for the design and construction of a new student resource center (approximately 120,400 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 current estimated cost shown in the Beyond 6 Years column for other (furniture, fixtures, and equipment) is \$10,986,000 pending final design.

Cost Change

Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. P856509) 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. Under the application of State space guidelines, the enrollment growth on the Germantown campus has resulted in a significant space deficit. The Germantown campus has a fall 2012 space deficit of 208,327 NASF, and a 2021 projected space deficit of 227,390. Relevant studies include the Collegewide Facilities Master Plan Update (1/13).

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. The construction costs in the expenditure schedule (\$65,890,000) include: site improvement costs (\$13,424,000), building construction costs (\$52,466,000). The building construction cost per gross square foot equals \$435 (\$52,466,000/120,400).

Disclosures

A pedestrian impact analysis has been completed for this project.

Montgomery College (A15) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Sciences and Applied Studies Building Alterations (CIP# P056605)

Planning, Design & Construction (P906605)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Countywide

Date Last Modified: 8/25/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	22,602	15,378	576	6,648	1,108	1,108	1,108	1,108	1,108	1,108	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	7,548	5,073	219	2,256	376	376	376	376	376	376	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	30,150	20,451	795	8,904	1,484	1,484	1,484	1,484	1,484	1,484	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	16,350	11,501	397	4,452	742	742	742	742	742	742	0
G.O. Bonds	13,800	8,950	398	4,452	742	742	742	742	742	742	0
Total	30,150	20,451	795	8,904	1,484	1,484	1,484	1,484	1,484	1,484	0
Full Time Equivalent (FTE)					15.0	16.0	16.0	16.0	16.0	16.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	1,484
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		22,730
Expenditure / Encumbrances		21,650
Unencumbered Balance		1,080

Date First Appropriation	FY 90
First Cost Estimate	
Current Scope	FY 15 30,150
Last FY's Cost Estimate	30,150
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	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), who are responsible for completing small, in-house construction projects. The FY16 request includes one new position for an architect, which is in response to increased workload associated with the implementation of the capital budget. Since there are sufficient funds within the request, additional County funds are not requested for this position.

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

FY2015 Appropriation: \$1,484,000; \$742,000 (G.O. Bonds) and \$742,000 (Current Revenue: General).

FY2016 Appropriation: \$1,484,000; \$742,000 (G.O. Bonds) and \$742,000 (Current Revenue: General).

The following fund transfers have been made from this project: \$111,000 to Information Technology (#P856509) (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 (#P936660), Energy Conservation (#P816611), Facility Planning (#P886686), PLAR (#P926659) (BOT Resol. #01-153), and \$150,000 from the Takoma Park Campus Expansion (#P996662) (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.

Disclosures

Expenditures will continue indefinitely.

Rockville Student Services Center (P076604)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Rockville

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	10,369	5,900	1,010	3,459	3,459	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	52,484	0	4	52,480	0	0	27,930	24,550	0	0
Other	10,249	0	0	10,249	0	0	0	10,249	0	0
Total	73,102	5,900	1,014	66,188	3,459	0	27,930	34,799	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	37,683	2,950	622	34,111	1,787	0	13,965	18,359	0	0
State Aid	35,419	2,950	392	32,077	1,672	0	13,965	16,440	0	0
Total	73,102	5,900	1,014	66,188	3,459	0	27,930	34,799	0	0

OPERATING BUDGET IMPACT (\$000s)

Energy				861	0	0	0	0	420	441
Maintenance				1,563	0	0	0	0	521	1,042
Net Impact				2,424	0	0	0	0	941	1,483
Full Time Equivalent (FTE)					0.0	0.0	0.0	0.0	16.0	16.0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		10,373
Expenditure / Encumbrances		5,900
Unencumbered Balance		4,473

Date First Appropriation	FY 13
First Cost Estimate	
Current Scope	FY 16 73,102
Last FY's Cost Estimate	70,762

Description

This project provides funds for the construction of a new student services center (125,322 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

Project construction is scheduled to be completed in the winter 2019.

Cost Change

Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. P856509) project. The cost of this project has increased to match the State's allowed cost escalation of 4%.

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 (pending 11/13), the Collegewide Facilities Master Plan Update (1/13), and the Rockville Student Services Center Part 1/Part 2 (5/11).

Other

FY15 Appropriation: \$0. FY16 Appropriation: \$0. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement.

The construction costs in the expenditure schedule (\$52,146,000) include: site improvement costs (\$9,275,000), building construction costs (\$42,871,000). The building construction cost per gross square foot equals \$342 (\$42,871,000/125,322).

Disclosures

A pedestrian impact analysis will be performed during design or is in progress.

Rockville Student Services Center (P076604)

Montgomery College (A15) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Facility Planning: College (CIP #P886686)

Roof Replacement: College (P876664)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Countywide

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Planning, Design and Supervision	1,140	826	197	117	51	0	0	0	33	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	7,425	4,836	1,816	773	339	0	0	0	217	217	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	8,565	5,662	2,013	890	390	0	0	0	250	250	0

FUNDING SCHEDULE (\$000s)

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Current Revenue: General	1,248	1,248	0	0	0	0	0	0	0	0	0
G.O. Bonds	6,114	3,211	2,013	890	390	0	0	0	250	250	0
State Aid	1,203	1,203	0	0	0	0	0	0	0	0	0
Total	8,565	5,662	2,013	890	390	0	0	0	250	250	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		8,065
Expenditure / Encumbrances		6,051
Unencumbered Balance		2,014

Date First Appropriation	FY 87	
First Cost Estimate		
Current Scope	FY 16	8,565
Last FY's Cost Estimate		9,117
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

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

Decrease in FY17 and FY18 due to 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. FY2015 Appropriation: \$390,000 (G.O. Bonds). FY2016 Appropriation: \$0 (G.O. Bonds).

Disclosures

Expenditures will continue indefinitely.

Montgomery College (A15) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Energy Conservation (CIP No. P816611), Planned Lifecycle Asset Replacement: College (CIP No. P926659), FY15 – Gudelsky Bldg. (RV), FY17 – Collegewide Roof Surveys & Major Repairs

Science West Building Renovation (P076622)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Rockville

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Final Design Stage

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	3,062	2,953	9	100	50	50	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	26,609	8,832	0	17,777	7,943	8,834	1,000	0	0	0	0
Other	5,675	0	0	5,675	1,000	4,675	0	0	0	0	0
Total	35,346	11,785	9	23,552	8,993	13,559	1,000	0	0	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	18,885	6,358	5	12,522	4,466	7,556	500	0	0	0	0
State Aid	16,461	5,427	4	11,030	4,527	6,003	500	0	0	0	0
Total	35,346	11,785	9	23,552	8,993	13,559	1,000	0	0	0	0

OPERATING BUDGET IMPACT (\$000s)											
Energy				178	0	18	36	38	41	45	
Maintenance				510	0	102	102	102	102	102	
Net Impact				688	0	120	138	140	143	147	
Full Time Equivalent (FTE)					0.0	0.0	2.0	2.0	2.0	2.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		35,346
Expenditure / Encumbrances		30,753
Unencumbered Balance		4,593

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 15 35,346
Last FY's Cost Estimate	35,346

Description

This project (total 70,164 GSF) provides for the realignment/renovation of space in the Science West Building (41,988 GSF), and for the addition of a third floor (28,176 GSF) on the Rockville Campus in accordance with the College's Facilities Master Plan (1/04) and the building educational space specifications. The renovated building will house the Math department faculty offices and the Math Learning Center. The building renovation will include general building improvements, HVAC system replacement and related energy conservation measures, and building access improvements. The addition will add a third floor to the Science West building to provide additional classroom support to address instructional space deficits at the Rockville Campus. A building survey in FY91 determined that the building structure is fireproofed with a sprayed on asbestos product and asbestos thermal insulation is used on the mechanical systems. An asbestos removal is determined to be the most appropriate response under Federal and State asbestos guidelines. The removal project will include mechanical system reinsulation and refireproofing in conformance with the local fire code.

Estimated Schedule

Project construction is scheduled to be completed in the Summer of 2016. The project schedule is delayed by one year due to delays in the production schedule.

Cost Change

The cost of this project has increased to match the State's allowed cost escalation factor (4%).

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 (pending 11/13), a Collegewide Facilities Master Plan Update (1/13), 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

FY2015 Appropriation: \$5,786,000 total; \$3,589,000 (G.O.Bonds), \$2,197,000 (State Aid). FY2016 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 a building asbestos removal and renovation scheduled to begin in FY14.

Science West Building Renovation (P076622)

Disclosures

A pedestrian impact analysis has been completed for this project.

Montgomery College (A15) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Rockville Science Center (CIP No. P036600), Science East Building Renovation (CIP No. P076623)

Site Improvements: College (P076601)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Countywide

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	2,614	1,676	98	840	140	140	140	140	140	140	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	13,210	10,259	166	2,785	480	480	480	385	480	480	0
Construction	1,010	428	102	480	80	80	80	80	80	80	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	16,834	12,363	366	4,105	700	700	700	605	700	700	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	1,000	1,000	0	0	0	0	0	0	0	0	0
G.O. Bonds	15,834	11,363	366	4,105	700	700	700	605	700	700	0
Total	16,834	12,363	366	4,105	700	700	700	605	700	700	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	700
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		13,429
Expenditure / Encumbrances		12,446
Unencumbered Balance		983

Date First Appropriation	FY 07
First Cost Estimate	
Current Scope	FY 16 16,834
Last FY's Cost Estimate	16,929
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

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

Decrease in FY18 due to fiscal capacity.

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 (pending 11/13), the Collegewide Facilities Master Plan Update (1/13), and the County Council Report of the Infrastructure Maintenance Task Force (3/10).

Other

FY2015 Appropriation: \$700,000 (G.O. Bonds).

FY2016 Appropriation: \$700,000 (G.O. Bonds).

Disclosures

Expenditures will continue indefinitely.

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. P096600), Elevator Modernization: College (CIP No. P056608)

Takoma Park/Silver Spring Math & Science Center (P076607)

Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Takoma Park

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	12,646	0	0	12,646	0	0	0	4,448	6,198	2,000	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	63,232	0	0	24,698	0	0	0	0	0	24,698	38,534
Other	9,866	0	0	0	0	0	0	0	0	0	9,866
Total	85,744	0	0	37,344	0	0	0	4,448	6,198	26,698	48,400

FUNDING SCHEDULE (\$000s)

G.O. Bonds	43,062	0	0	18,672	0	0	0	2,224	3,099	13,349	24,390
State Aid	42,682	0	0	18,672	0	0	0	2,224	3,099	13,349	24,010
Total	85,744	0	0	37,344	0	0	0	4,448	6,198	26,698	48,400

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 16	
First Cost Estimate		
Current Scope	FY 16	85,744
Last FY's Cost Estimate		88,027

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 current estimated cost, shown in the Beyond 6 Years column, for other (furniture, fixtures, and equipment) is \$9,866,000, pending completion of final design.

Cost Change

Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. P856509) project.

Justification

Under the application of the State space guidelines, the enrollment growth on the Takoma Park/Silver Spring Campus has resulted in a significant instructional space deficit. The Takoma Park/Silver Spring Campus has a Fall 2012 laboratory space deficit of 82,600 NASF and a total space deficit of 92,725 NASF. Even with the completion of the Takoma Park Campus Expansion Project and the Cafritz Foundation Art Center, the 2022 projected laboratory space deficit is 104,640 NASF and the total space deficit is anticipated to be 163,318 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 Update (pending 11/13), and the Collegewide Facilities Master Plan Update (1/13).

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. The construction costs in the expenditure schedule (\$65,762,000) include: site improvement costs (\$4,529,000), building construction costs (\$61,503,000). The building construction cost per gross square foot equals \$456 (\$61,503,000/134,600).

Disclosures

A pedestrian impact analysis has been completed for this project.

Montgomery College (A15) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Facility Planning: College (CIP No. P886686)

PART III : CAPITAL IMPROVEMENTS PROJECTS TO BE CLOSED OUT

The following capital projects are closed out effective July 1, 2015, and the appropriation for each project is decreased by the amount of that project's unencumbered balance.

Project Title (Project #)

Rockville Campus Science Center (P036600)

Health Sciences Expansion (P096603)

Germantown Science & Technology Pk. Infrastructure (P096607)