

Resolution No: 18-499
Introduced: May 26, 2016
Adopted: May 26, 2016

**COUNTY COUNCIL
FOR MONTGOMERY COUNTY, MARYLAND**

By: County Council

SUBJECT: Approval of the FY 2017-2022 Capital Improvements Program, and Approval of and Appropriation for the FY 2017 Capital Budget of Montgomery College

Background


1. As required by the Education Article, Section 16-301 of the Maryland Code, the Montgomery College Board of Trustees sent to the County Executive and County Council a 6-year Capital Improvements Program (CIP) and an FY 2017 Capital Budget for Montgomery College.
2. Section 302 of the County Charter requires the Executive to send to the Council by January 15 in each even-numbered calendar year a 6-year CIP, which the Executive did on January 15, 2016 for the 6-year period FY 2017-2022. Section 302 requires the affirmative vote of at least 5 Councilmembers to approve or modify the Executive's Recommended CIP. After the Council approves a CIP, Section 302 permits the Council to amend it at any time with the affirmative vote of at least 6 Councilmembers.
3. Section 303 of the Charter requires the Executive to send to the Council by January 15 in each year a recommended Capital Budget, which the Executive did on January 15, 2016 for FY 2017.
4. As required by Section 304 of the Charter, the Council held public hearings on the Capital Budget for FY 2017 and on the Recommended CIP for FY 2017-2022 on February 10 and 11, 2016.

Action

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

1. For FY 2017, the Council approves the Capital Budget for Montgomery College and appropriates the amounts by project which are shown in part I.
2. The Council reappropriates the appropriations made in prior years for all capital projects:
 - a) except as specifically reflected elsewhere in this resolution;
 - b) in the amounts and for the purposes specified in the Approved CIP for FY 2017-2022; and
 - c) to the extent that those appropriations are not expended or encumbered.
3. The Council approves the projects for the FY 2017-2022 Capital Improvements Program as presented in the Board of Trustees requested FY 2017 Capital Budget and FY 2017-2022 Capital Improvements Program, dated November 16, 2015, with the exceptions which are attached in Part II. Those projects are approved as modified.
4. The Council approves the close out of the projects in part III.
5. 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: FY 17 CAPITAL BUDGET FOR Montgomery College

The appropriations for FY 17 in this Part are made to implement the projects in the Capital Improvements Program for FY 17 - FY 22. 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 17 Appropriation	Cumulative Appropriation	Total Appropriation
Computer Science Alterations (P046602)	-200,000	1,359,000	1,159,000
Site Improvements: College (P076601)	700,000	15,529,000	16,229,000
Rockville Student Services Center (P076604)	53,712,000	10,373,000	64,085,000
Student Learning Support Systems (P076617)	1,400,000	10,420,000	11,820,000
Network Operating Center/Datacenter (P076618)	2,000,000	22,554,000	24,554,000
Network Infrastructure and Support Systems (P076619)	350,000	14,767,000	15,117,000
Capital Renewal: College (P096600)	1,000,000	12,888,000	13,888,000
Instructional Furniture and Equipment: College (P096601)	270,000	2,100,000	2,370,000
Energy Conservation: College (P816611)	125,000	4,718,000	4,843,000
Information Technology: College (P856509)	3,450,000	115,997,000	119,447,000
Facility Planning: College (P886686)	270,000	5,237,000	5,507,000
Planning, Design & Construction (P906605)	1,584,000	24,914,000	26,498,000
Planned Lifecycle Asset Replacement: College (P926659)	2,700,000	44,372,000	47,072,000
ADA Compliance: College (P936660)	50,000	1,303,000	1,353,000
Montgomery College	67,411,000	286,531,000	353,942,000

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 2017 - 2022 Capital Improvements Program (CIP) as of May 19, 2016. These projects are approved.

Bioscience Education Center (P056603)

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

Date Last Modified: 5/20/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Under Construction

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	8,039	7,953	86	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	74,221	74,193	28	0	0	0	0	0	0	0	0
Other	10,880	8,475	2,205	200	100	100	0	0	0	0	0
Total	93,140	90,621	2,319	200	100	100	0	0	0	0	0

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
FUNDING SCHEDULE (\$000s)											
G.O. Bonds	51,386	50,458	810	100	50	50	0	0	0	0	0
PAYGO	691	691	0	0	0	0	0	0	0	0	0
State Aid	41,083	39,474	1,508	100	50	50	0	0	0	0	0
Total	93,140	90,621	2,319	200	100	100	0	0	0	0	0
Full Time Equivalent (FTE)					0.0	0.0	0.0	0.0	0.0	0.0	0.0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		93,140
Expenditure / Encumbrances		90,621
Unencumbered Balance		2,519

Date First Appropriation	FY 05
First Cost Estimate	
Current Scope	FY 17 93,140
Last FY's Cost Estimate	93,840

Description

This project provides for the design and construction of a new biotechnology and science building (approx. 145,139 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 was completed in the fall of 2014

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 2022 projected instructional space deficit of 132,252 NASF and a total space deficit anticipated to be 227,390 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 7,739 students and 494 full time, and part time faculty and staff (Fall 2012). Related studies include the Collegewide Facilities Master Plan Update (1/13), the Germantown Bioscience Education Center Facility Program (5/04), a Collegewide Facilities Condition Assessment Update (pending 11/13), and the Bioscience Education Center Program Verification Report, (9/07).

Other

Bioscience Education Center (P056603)

Funding Source: G.O. Bonds, Paygo, and 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 transfers have been made to this project: \$4,500,000 from the Rockville Science Center project (No. P036600) (BOT Resol. #12-01-07, 1/30/12); \$555,000 from the Health Sciences Expansion project (#P096603), \$300,000 from the Rockville Parking Lot and Tennis Court Relocation project (#P096602), and \$200,000 from the Energy Conservation project (#P816611)(BOT Resol. #12-06-036, 6/11/12). The following fund transfer has been made from this project: \$700,000 to the Planning, Design, and Construction project (#P906605) (BOT Resol. #16-04-051, 4/18/16).

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

Energy Conservation: College (CIP No. P816611), Facility Planning: College (CIP No. P886686), Germantown Observation Drive Reconstruction (CIP No. P096604), Germantown Science and Applied Studies Phase 1 Renovation (CIP No. P136600)

Capital Renewal: College (P096600)

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

Date Last Modified: 5/3/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
-------	-----------	----------	---------------	-------	-------	-------	-------	-------	-------	--------------

EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
Planning, Design and Supervision	3,646	1,302	544	1,800	300	300	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	18,163	8,916	1,047	8,200	700	700	1,700	1,700	1,700	1,700	0
Other	1,079	818	261	0	0	0	0	0	0	0	0
Total	22,888	11,036	1,852	10,000	1,000	1,000	2,000	2,000	2,000	2,000	0

FUNDING SCHEDULE (\$000s)

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
G.O. Bonds	22,888	11,036	1,852	10,000	1,000	1,000	2,000	2,000	2,000	2,000	0
Total	22,888	11,036	1,852	10,000	1,000	1,000	2,000	2,000	2,000	2,000	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	1,000
Appropriation Request Est.	FY 18	1,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		12,888
Expenditure / Encumbrances		11,036
Unencumbered Balance		1,852

Date First Appropriation	FY 09	
First Cost Estimate		
Current Scope	FY 17	23,888
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

Increase due to the addition of FY21, and FY22. FY18 was reduced by \$1,000,000 for 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 \$85 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 (12/13), and the Collegewide Facilities Master Plan Update (1/15), and Utilities Master Plan (5/06).

Other

FY17 Appropriation: \$1,000,000 (G.O. Bonds). FY18 Appropriation: \$1,000,000 (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)

Computer Science Alterations (P046602)

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

Date Last Modified 5/8/16
 Required Adequate Public Facility No
 Relocation Impact None
 Status Final Design Stage

	Total	Thru FY15	Est FY16	Total 5 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	550	508	42	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	534	418	118	0	0	0	0	0	0	0	0
Other	75	0	75	0	0	0	0	0	0	0	0
Total	1,159	926	233	0	0	0	0	0	0	0	0

	Total	FY15	FY16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
FUNDING SCHEDULE (\$000s)										
G.O. Bonds	1,159	926	233	0	0	0	0	0	0	0
Total	1,159	926	233	0	0	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	-200
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,359
Expenditure / Encumbrances		926
Unencumbered Balance		433

Date First Appropriation	FY 01	
First Cost Estimate		
Current Scope	FY01	1,359
Last FY's Cost Estimate		1,359

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 Fall 2019

Cost Change

FY17 and FY18 were reduced by \$100,000 each for fiscal capacity.

Justification

The Rockville Campus has a current (Fall 2014) instructional space deficit of 68,975 net square feet and a total space deficit of 242,373 net square feet. The College is experiencing ongoing 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 (12/13), and the Collegewide Facilities Master Plan Update (1/15).

Other

Funding Source: G.O. Bonds. Renovation of the Computer Science Building is 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 FY18, with completion planned for FY19.

Coordination

Cafritz Foundation Arts Center (CIP No. P056604), Network Operating Center (CIP No. P076818)

Germantown Student Services Center (P0/6612)

Category	Montgomery College	Date Last Modified	5/6/16
Sub Category	Higher Education	Required Adequate Public Facility	No
Administering Agency	Montgomery College (AAGE15)	Relocation Impact	None
Planning Area	Germantown	Status	Planning Stage

	Total	Thru FY16	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	14,506	0	0	6,000	0	0	0	0	0	6,000	8,506
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	65,256	0	0	0	0	0	0	0	0	0	65,256
Other	10,880	0	0	0	0	0	0	0	0	0	10,880
Total	90,642	0	0	6,000	0	0	0	0	0	6,000	84,642

	Total	Thru FY16	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
FUNDING SCHEDULE (\$000s)											
G.O. Bonds	45,321	0	0	3,000	0	0	0	0	0	3,000	42,321
State Aid	45,321	0	0	3,000	0	0	0	0	0	3,000	42,321
Total	90,642	0	0	6,000	0	0	0	0	0	6,000	84,642

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	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 17 90,642
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.

Cost Change

Design of this project was delayed from FY19 to FY22 due to likely available State matching funds and County fiscal capacity.

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 2014 space deficit of 142,114 NASF, and a 2024 projected space deficit of 317,384. Relevant studies include the Collegewide Facilities Master Plan Update (1/15).

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 (\$65,256,000) include: site improvement costs (\$13,295,000), building construction costs (\$51,961,000). The building construction cost per gross square foot equals \$432 (\$51,961,000/120,400).

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)

Information Technology: College (P856509)

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

Date Last Modified: 5/19/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

	Total	Thru FY16	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	16,482	16,482	0	0	0	0	0	0	0	0	0
and	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	23,274	19,081	1,193	3,000	500	500	500	500	500	500	0
Other	122,191	70,169	4,022	48,000	8,000	8,000	8,000	8,000	8,000	8,000	0
Total	161,947	105,732	5,215	51,000	8,500	8,500	8,500	8,500	8,500	8,500	0

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	97,387	43,100	3,287	51,000	8,500	8,500	8,500	8,500	8,500	8,500	0
Current Revenue: Recordation Tax	57,916	55,988	1,928	0	0	0	0	0	0	0	0
S.O. Bonds	4,603	4,603	0	0	0	0	0	0	0	0	0
AYGO	2,041	2,041	0	0	0	0	0	0	0	0	0
Total	161,947	105,732	5,215	51,000	8,500	8,500	8,500	8,500	8,500	8,500	0

Full Time Equivalent (FTE)					4.0	4.0	4.0	4.0	4.0	4.0	4.0
----------------------------	--	--	--	--	-----	-----	-----	-----	-----	-----	-----

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	3,450
Appropriation Request Est.	FY 18	8,500
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		115,997
Expenditure / Encumbrances		105,732
Unencumbered Balance		10,265

Date First Appropriation	FY 85
First Cost Estimate	
Current Scope	FY 17 161,947
Last FY's Cost Estimate	149,997

Description

This project provides for the design and installation/construction, and support of College Information Technology (IT) systems including data, video, cyber security, software services, enterprise applications, and voice applications; associated cable systems, equipment closet, IT space construction; and the replacement/upgrade of IT equipment to meet current requirements. The project includes planning, installation, and furnishing of technology in classrooms, labs, and offices. These IT systems support and enhance the College's mission, 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 collegewide strategic planning efforts. The Office of Information Technology (OIT) determines and recommends the hardware and software to be purchased based on requirements analysis. OIT is responsible for equipment purchases, monitoring of systems results, providing assistance during implementation, and on-going technology reviews and analysis. Four (4) technical staff positions are in this project.

Capacity

As part of the FY18 savings plan the College has reduced the FY17 CIP request by \$5,050,000 (Council Resol.#18-248, 9/15/15) to \$350,000 for this project. Increase due to addition in FY21, and FY22. In the FY17 CIP, all Current Revenue: Recordation Tax funds were swapped for Current Revenue: General funds.

Justification

To meet current and projected technical standards for data, video, and voice communications the College plans and 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 legacy systems for data and video applications; provide for updated networking capabilities; provide necessary security and monitoring capabilities; establish learning centers in classrooms and labs, and for distributed instruction; and allow expanded opportunities for linking with external information technology services. The Information Technology Strategic Plan (ITSP) is a comprehensive plan covering information technology activities funded from all budget sources for an integrated and complete plan for the College. The ITSP helps meet student requirements for information technology 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. 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. The ITSP supports the current IT program and serves as documentation for future funding requests.

Information Technology: College (P856509)

Other

FY2017 Appropriation: Total \$3,450,000 FY2018 Appropriation: Total \$8,500,000 The following fund transfers have been made from this project: \$1,300,000 to the Takoma Park Campus Expansion project (CIP No. P996662) (BOT Resol. #07-01-005, 1/16/2007); \$300,000 to the Student Learning Support Systems project (CIP No. P076617); and \$2,500,000 to the Network Operating Center project (#P076618)(BOT Resol. #12-06-037, 6/11/12). The following fund transfers have been made to this project: \$111,000 from the Planning, Design and Construction project (CIP No. P906605), and \$25,000 from the Facilities Planning: College project (CIP No. P886866) to this project (BOT Resol. #91-56, 5/20/1991); the project appropriation was reduced by \$559,000 in FY92.

Disclosures

Expenditures will continue indefinitely.

Coordination

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

Planned Lifecycle Asset Replacement: College (P926659)

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

Date Last Modified: 5/3/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	7,513	4,280	933	2,300	300	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	58,348	35,205	3,644	19,500	2,400	2,700	3,600	3,600	3,600	3,600	0
Other	310	278	34	0	0	0	0	0	0	0	0
Total	66,172	39,761	4,611	21,800	2,700	3,100	4,000	4,000	4,000	4,000	0

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	1,940	1,940	0	0	0	0	0	0	0	0	0
G.O. Bonds	64,232	37,821	4,611	21,800	2,700	3,100	4,000	4,000	4,000	4,000	0
Total	66,172	39,761	4,611	21,800	2,700	3,100	4,000	4,000	4,000	4,000	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	2,700
Appropriation Request Est.	FY 18	3,100
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		44,372
Expenditure / Encumbrances		40,312
Unencumbered Balance		4,060

Date First Appropriation	FY 93
First Cost Estimate	
Current Scope	FY 17 67,072
Last FY's Cost Estimate	59,048
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

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. P046601), 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 FY21, and FY22. FY18 was reduced by \$900,000 for fiscal capacity.

Justification

In November 2007 (December 2013 update), 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 (12/13) identified a \$85 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 (1/15), and the County Council Report of the Infrastructure Maintenance Task Force (3/14).

Other

Planned Lifecycle Asset Replacement: College (P926659)

FY2017 Appropriation: \$2,700,000 (G.O. Bonds). FY2018 Appropriation: \$3,100,000 (G.O. Bonds). The following fund transfers have been made from this project: \$47,685 to Takoma Park Child Care Center (CIP No. P946657) (BOT Resol. #93-106, #94-26 & #941-28); \$185,000 to Rockville Surge Building (CIP No. P966665) (BOT Resol. #11-2291 - 1/21/97); \$7,000 to Planning, Design & Construction (CIP No. P906605) (BOT Resol. #01-153); \$91,175 to the Art Building Renovation Project (CIP No. P906608) (BOT Resol. # 06-09-106 - 9/18/06); and \$250,000 to the Takoma Park Expansion Project (CIP No. P996662) (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. P886676) (BOT Resol. #98-82 - 6/15/98), \$25,000 from Clean Air Act (CIP No. P856643) (BOT Resol. # 98-82 - 6/15/98), and \$24,000 from the Rockville Campus Science Center Project (CIP No. P036600) (BOT Resol. # 15-03-025 - 03/23/15). 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. P056601) (BOT Resolution #10-08-057, 07/31/10).

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; and the following projects: Capital Renewal: College (CIP No. P096600), Elevator Modernization: College (CIP No. P046600), Energy Conservation: College (CIP No. P816611), Facility Planning: College (CIP No. P886686), Macklin Tower Alterations (CIP No. P036603), Roof Replacement: College (CIP No. P876664), Computer Science Alterations (CIP No. P046602).

Planning, Design & Construction (P906605)

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

Date Last Modified: 5/20/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	26,118	16,357	2,513	7,248	1,208	1,208	1,208	1,208	1,208	1,208	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	8,300	5,668	376	2,256	376	376	376	376	376	376	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	34,418	22,025	2,889	9,504	1,584	1,584	1,584	1,584	1,584	1,584	0

FUNDING SCHEDULE (\$000s)											
Current Revenue, General	18,134	12,288	1,094	4,752	792	792	792	792	792	792	0
G.O. Bonds	16,284	9,737	1,795	4,752	792	792	792	792	792	792	0
Total	34,418	22,025	2,889	9,504	1,584	1,584	1,584	1,584	1,584	1,584	0
Full Time Equivalent (FTE)					16.0	16.0	16.0	16.0	16.0	16.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	1,584
Appropriation Request Est.	FY 18	1,584
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		24,914
Expenditure / Encumbrances		23,376
Unencumbered Balance		1,538

Date First Appropriation	FY 90
First Cost Estimate	
Current Scope	FY 17 34,418
Last FY's Cost Estimate	30,150

Description

This project provides for sixteen 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 sixteen 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 (2), 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.

Cost Change

Increase due to the addition of FY21, and FY22, and the 6% salary increase approved during the FY16 budget cycle.

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

FY2017 Appropriation: \$1,584,000; \$792,000 (G.O. Bonds) and \$792,000 (Current Revenue: General). FY2018 Appropriation: \$1,584,000; \$792,000 (G.O. Bonds) and \$792,000 (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), and \$700,000 from the Bioscience Education Center project (#P056603) (BOT Resol. #16-04-051, 4/18/16). 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.

Site Improvements: College (P076601)

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

Date Last Modified 5/3/16
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
-------	--------------	----------	------------------	-------	-------	-------	-------	-------	-------	-----------------

EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	2,894	1,810	244	840	140	140	140	140	140	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	13,970	10,806	579	2,585	480	185	480	480	480	0
Construction	2,570	515	1,575	480	80	80	80	80	80	0
Other	0	0	0	0	0	0	0	0	0	0
Total	19,434	13,131	2,398	3,905	700	405	700	700	700	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	1,000	1,000	0	0	0	0	0	0	0	0
G.O. Bonds	18,434	12,131	2,398	3,905	700	405	700	700	700	0
Total	19,434	13,131	2,398	3,905	700	405	700	700	700	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	700
Appropriation Request Est.	FY 18	405
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		15,529
Expenditure / Encumbrances		13,798
Unencumbered Balance		1,731

Date First Appropriation	FY 07	
First Cost Estimate		
Current Scope	FY 17	19,634
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

Increase in FY21, and FY22 for level of effort addition. FY18 was reduced by \$200,000 for 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 (12/13), the Collegewide Facilities Master Plan Update (1/15), and the County Council Report of the Infrastructure Maintenance Task Force (3/10).

Other

FY2017 Appropriation: \$700,000 (G.O. Bonds). FY2018 Appropriation: \$405,000 (G.O. Bonds). The following fund transfer has been made to this project: \$1,400,000 from the Science East Building renovation (P076623)(BOT Resol. #: 15-09-77, 9/21/15).

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: 5/19/16
Required Adequate Public Facility: No
Relocation Impact: None
Status: Planning Stage

	Total	Thru FY15	Est FY16	Total 5 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	13,026	0	0	13,026	0	1,500	4,582	4,884	2,060	0	0
and	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	65,130	0	0	65,130	0	0	0	8,000	25,440	31,690	0
Other	9,772	0	0	9,772	0	0	0	0	0	9,772	0
Total	87,928	0	0	87,928	0	1,500	4,582	12,884	27,500	41,462	0
FUNDING SCHEDULE (\$000s)											
G.O. Bonds	43,964	0	0	43,964	0	750	2,291	6,442	13,750	20,731	0
State Aid	43,964	0	0	43,964	0	750	2,291	6,442	13,750	20,731	0
Total	87,928	0	0	87,928	0	1,500	4,582	12,884	27,500	41,462	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	13,026
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	
First Cost Estimate	
Current Scope	FY 17 87,928
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.

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 allowable cost escalation factor (3%).

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 2014 laboratory space deficit of 100,392 NASF and a total space deficit of 74,322 NASF. Even with the completion of the Takoma Park Campus Expansion Project and the Cafritz Foundation Art Center, the 2024 projected laboratory space deficit is 155,556 NASF and the total space deficit is anticipated to be 192,855 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, 12/13). 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 (12/13), and the Collegewide Facilities Master Plan Update (1/15).

Other

FY17 Appropriation: 0 FY18 Appropriation: \$13,026,000; \$6,513,000 (G.O. Bonds), and \$6,513,000 (State Aid). 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 (\$65,130,000) include: site improvement costs (\$4,884,000), building construction costs (\$60,466,000). The building construction cost per gross square foot equals \$449 (\$60,466,000/134,600).

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 June 30, 2016, and the appropriation for each project is decreased by the amount of that project's unencumbered balance.

No projects closed out (on Part III)